N60200.AR.003875
NAS CECIL FIELD, FL
5090.3a

SOURCE REMOVAL REPORT FOR EXCAVATION OF LEAD AND/OR POLYCYCLIC AROMATIC HYDROCARBON CONTAMINATED SOIL FROM OPERABLE UNIT 5 (OU 5) SITE 49 FORMER SKEET RANGE NAS CECIL FIELD FL

5/1/2004

CH2MHILL CONSTRUCTORS INC

Source Removal Report
Excavation of Lead and/or PAH Contaminated Soil from Operable Unit 5, Site 49 Former Skeet Range

Former Naval Air Station Cecil Field
Jacksonville, Florida

Contract No. N62467-98-D-0995
Contract Task Order No. 0005

Submitted to

U.S. Naval Facilities
Engineering Command

Prepared by

CH2MHILL

115 Perimeter Center Place, N.E.
Suite 700
Atlanta, GA 30346

May 2004

Source Removal Report
Excavation of Lead and/or PAH Contaminated Soil from Operable Unit 5, Site 49 Former Skeet Range

Former Naval Air Station Cecil Field
Jacksonville, Florida

Contract No. N62467-98-D-0995
Contract Task Order No. 0005

Prepared by

115 Perimeter Center Place, N.E.
Suite 700
Atlanta, GA 30346

May 2004

Prepared/Approved By:

Michael D. Halil, Project Manager — Date

Approved By:

R. Scott Newman, Program Manager — Date

Client Acceptance:

U.S. Navy Responsible Authority — Date

CERTIFICATION OF TECHNICAL DATA CONFORMITY (May 2004)

The contractor, CH2M HILL Constructors, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data, delivered herewith under Contract No. N62467-98-D-0995, Contract Task Order No. 0005 is complete and accurate and complies with all requirements of this contract.

DATE:_____

NAME AND TITLE OF CERTIFYING OFFICIAL: _____

Michael D. Halil, P.E.
Project Manager

CH2MHILL

Certificate of Completion

CH2M HILL Constructors, Inc., attests that, to the best of its knowledge and belief, the excavation of lead and/or PAH contaminated soil from Operable Unit 5, Site 49 Former Skeet Range, delivered under Contract No. N62467-98-D-0995, Contract Task Order No. 0005, Former Naval Air Station Cecil Field, Jacksonville, Florida, has been completed, inspected, and tested, and is in compliance with the contract.

_____ _____

Project Quality Control Manager **Date**

Contents

1.0 Introduction 1-1
1.1 Site Background 1-1
1.2 Project Objectives And Summary 1-2
2.0 Excavation Activities 2-1
2.1 Site Preparation 2-1
2.1.1 Excavation Permit 2-1
2.1.2 Excavation Limits 2-1
2.1.3 Gopher Tortoise Survey 2-1
2.1.4 Wetlands Impact 2-1
2.1.5 Tree Clearing 2-4
2.2 Soil Excavation, Transportation, And Disposal 2-4
2.2.1 Waste Characterization 2-4
2.2.2 Soil Excavation, Transportation, And Disposal 2-4
2.3 Backfill And Site Restoration 2-6
2.4 Problems Encountered 2-6
3.0 Conclusions 3-1
4.0 References 4-1

Tables

2-1 Seed Mix 2-5

Figures

1-1 General Location Map 1-3
1-2 Remedial Action Design Plan, Soil Excavation 1-4
2-1 Gopher Tortoise Burrows 2-2
2-2 Gopher Tortoise Burrows 2-3

Appendices

A Guidance Documentation
- Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range; Naval Air Station Cecil Field; Jacksonville, Florida [Tetra Tech NUS, Inc., 2002]
- Department of the Army No Permit Required Verification Letter

B Site Photographs

C Waste Characterization Laboratory Analytical Reports
- Waste Characterization Event (May 28 - 29, 2002)
- Waste Characterization Event (November 18, 2003)

D Surface Water Laboratory Analytical Reports
- August 15, 2002 Event
- May 19, 2003 Event
- August 28, 2003 Event

E Waste Profiles
- Non-Hazardous Waste Profile
- Hazardous Waste Profile

F Non-Hazardous Waste Manifests and Weight Tickets
- August 2002 Excavation
- November - December 2003 Excavation

G Certificates of Disposal
- August 2002 Excavation
- November - December 2003 Excavation

H Hazardous Waste Manifests and Weight Ticket Log

I Transportation and Disposal Log

J Clean Fill Laboratory Analytical Reports
- Backfill
- Topsoil

Acronyms

BaP	benzo(a)pyrene
BaPEqs	BaP equivalents
BCT	BRAC Cleanup Team
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CH2M HILL	CH2M HILL Constructors, Inc.
CPAHs	carcinogenic polynuclear aromatic hydrocarbon
CTO	Contract Task Order
EBS	Environmental Baseline Survey
EPA	U.S. Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
FL-PRO	Florida Petroleum Residual Organic
NAVFAC	Naval Facilities Engineering Command
NAS	Naval Air Station
OU	Operable Unit
PAH	polynuclear aromatic hydrocarbon
PCBs	polychlorinated biphenyls
PLS/a	pounds pure live seed per acre
PSC	Potential Source of Contamination
SCTLs	Soil Cleanup Target Levels
TCLP	toxicity characteristic leaching procedure
TtNUS	Tetra Tech NUS, Inc.
UCL	Upper Confidence Level

1.0 Introduction

CH2M HILL Constructors, Inc. (CH2M HILL) was contracted by Naval Facilities Engineering Command, Southern Division (NAVFAC EFD SOUTH) to perform the excavation, transportation, and disposal of lead and/or polynuclear aromatic hydrocarbon (PAH) contaminated soil at Operable Unit (OU) 5, Site 49 Former Skeet Range (Site 49), Former Naval Air Station (NAS) Cecil Field in Jacksonville, Florida. The source removal was conducted in accordance with the Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range, dated May 2002, prepared by Tetra Tech NUS, Inc. (TtNUS).

The scope of services for the excavation of lead and/or PAH contaminated soil from Site 49 is described in detail in the NAS Cecil Field Basewide Work Plan, Revision 01 (CH2M HILL, 1998), Work Plan Addendum No. 15, Excavation of Lead and/or PAH Contaminated Soil at Operable Unit 5, Site 49 Former Skeet Range (CH2M HILL, 2002), and Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range (TtNUS, 2002). The Action Memorandum prepared by TtNUS is provided for reference in Appendix A of this Source Removal Report. This work was authorized under Remedial Action Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0005.

1.1 Site Background

Site 49 consists of the former skeet range (Facility 804) located in the area known as the Main Base of NAS Cecil Field. The site is located at the western end of Lake Newman Street (formerly 6th Street), at the junction of Perimeter Road. The site is an unpaved and undeveloped area that has been cleared and covers about 4.5 acres. The open area is surrounded by wooded areas, although the area to the northeast is cleared around Lake Newman. The wooded area south of the range has sparse vegetation compared to the adjacent wooded areas. Clay Pigeon fragments are scattered throughout the area. Five small buildings on the site were used for storage and launching clay pigeons and one small building was used for electrical equipment. Building 807, the Skeet Range Office, was located at the northern end of the site. The area is undeveloped and the reuse plan identifies the area for Park/Buffer uses (TtNUS, 2002).

Site 49 was used as a skeet shooting range from 1965 to 1998. Prior to 1965, historic aerial photographs show that the area was unused and undeveloped. Building 807 was constructed in 1971. The site was identified in the Environmental Baseline Survey (EBS) as Potential Source of Contamination (PSC) 49. TtNUS performed field investigations for the assessment of surface and subsurface soil and groundwater at PSC 49 from June 1999 to May 2001. During this period, PAH and inorganic contamination was detected and delineated horizontally and vertically. Eight sampling events were conducted to delineate the extent of soil contamination. Based on the extent and type of contamination, the investigation was moved into the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) program, and the area was identified as Site 49 and grouped into OU 5 (TtNUS, 2002).

Benzo(a)pyrene (BaP) and lead were detected at concentrations in excess of the Florida Department of Environmental Protection (FDEP) Residential Soil Cleanup Target Levels (SCTLs). A number of other carcinogenic PAHs (cPAHs) were also detected; however, since BaP accounted for most of the cPAH exceedances, the Base Realignment and Closure (BRAC) Cleanup Team (BCT) determined that these cPAHs should be considered as a family of compounds and quantified in terms of BaP equivalents (BaPEqs) (TtNUS, 2002).

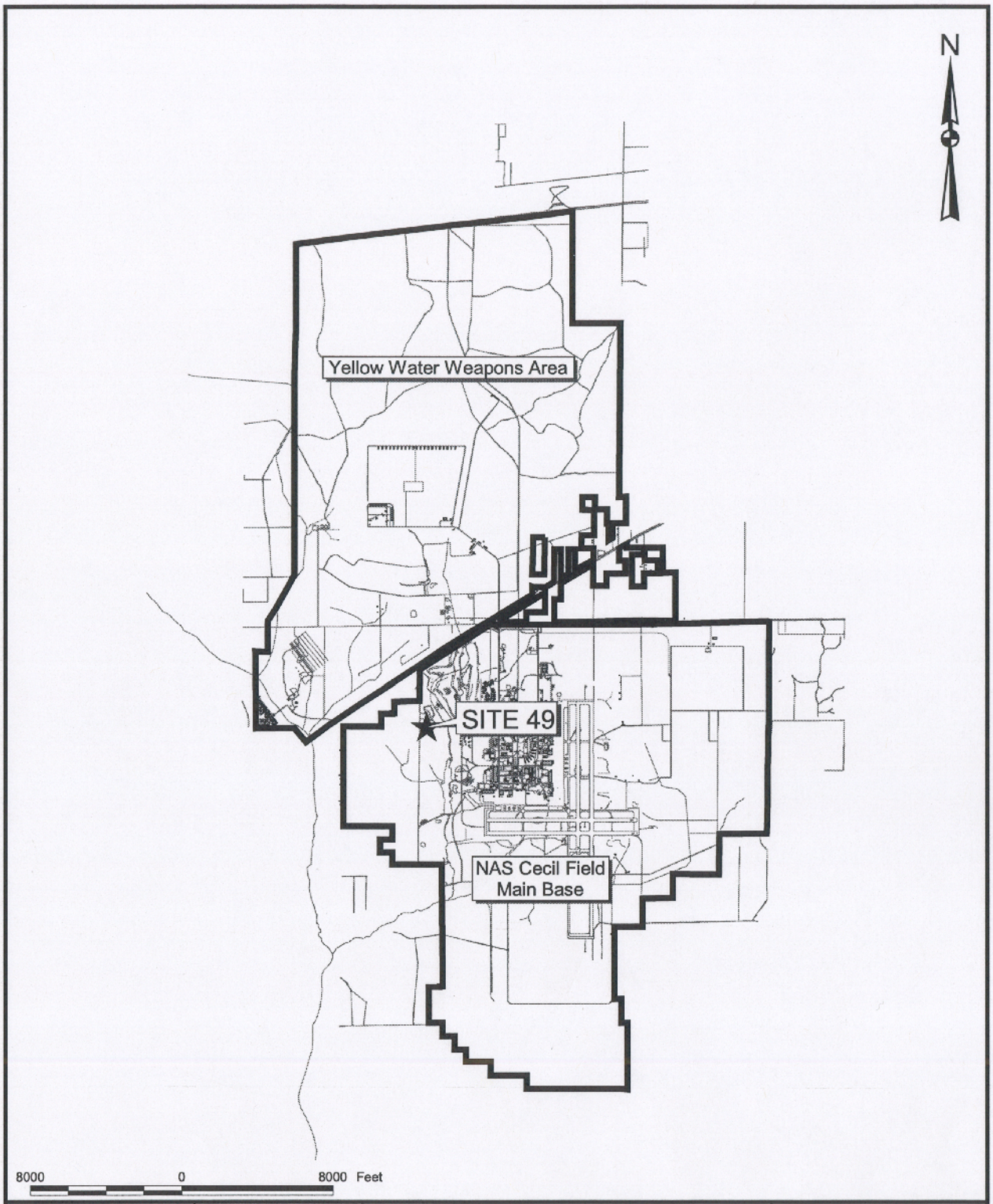
The site was divided into 1/2-acre exposure units in order to evaluate the site for residential use. A statistical evaluation was conducted to determine the areas requiring removal to achieve an exposure unit upper confidence level (UCL) for BaPEq and an exposure unit average concentration for lead that was below their respective residential SCTLs (TtNUS, 2002).

As documented in BCT meeting minutes, number 1494 for June 20, 2001, soils at this site would be remediated to a residential land use scenario. This removal action would consist of the excavation and offsite disposal of approximately 5,681 cubic yards of soil. Soils which exceed three times the FDEP SCTLs for residential direct exposure or leachability to groundwater would be removed. In addition, the areas identified in the Remedial Design (Appendix A) as having lead pellets, as determined by a site evaluation conducted by TtNUS, would also be excavated. Excavation of these soils would ensure protection of human health and groundwater. Some soil samples remaining on site after excavation activities had been completed may have concentrations in excess of the residential SCTLs, but the exposure unit concentrations were determined to be less than the residential SCTL (TtNUS, 2002).

Additional background on Site 49 is detailed in the Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range (TtNUS, 2002) provided in Appendix A.

1.2 Project Objectives and Summary

The project objectives at Site 49 were to excavate the lead and/or PAH-contaminated soil to the horizontal and vertical limits shown on Figure 1-2; transport and dispose of the contaminated soil at a facility(ies) permitted to accept the waste; and restore the site in accordance with the Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range (TtNUS, 2002).



DRAWN BY MJJ	DATE 26Jun01	GENERAL LOCATION MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY RFL DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MPD DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-1 Layout

CEF-P49-SS-101-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 19700 J [83000*/6100*]
ACENAPHTHENE 23200 J [1900000*/2100*]
BENZO(A)ANTHRACENE 27800 J [1400*/3200*]
BENZO(A)PYRENE 65600 J [100*/8000*]
BENZO(B)FLUORANTHENE 39200 J [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 10900 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 25600 J [1500*/28000]
CEF-P49-SS-501-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 150 [83000/6100]
ACENAPHTHENE 455 [1900000/2100]
BENZO(A)ANTHRACENE 1200 [1400/3200]
BENZO(A)PYRENE 2050 [100*/8000]
BENZO(B)FLUORANTHENE 2430 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 936 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1720 [1500*/28000]
CEF-P49-SS-209-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 901 [83000/6100]
ACENAPHTHENE 1250 [1900000/2100]
BENZO(A)ANTHRACENE 1160 [1400/3200]
BENZO(A)PYRENE 176 [100*/8000]
BENZO(B)FLUORANTHENE 1700 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 938 [100*/30000]
INDENO(1,2,3-CD)PYRENE 9.9 U [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-701-03
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 390 U/410 U [83000*/6100*]
ACENAPHTHENE 780 U/820 U [1900000/2100]
BENZO(A)ANTHRACENE 390 U/410 U [1400/3200]
BENZO(A)PYRENE 78 U/82 U [100/8000]
BENZO(B)FLUORANTHENE 78 U/82 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 78 U/82 U [100/30000]
INDENO(1,2,3-CD)PYRENE 78 U/82 U [1500/28000]

CEF-P49-SS-008-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 170 J/3200 J [100*/8000]
BENZO(B)FLUORANTHENE 110 J/1600 J [1400/10000]
BENZO(G,H,I)PERYLENE 80 J/1800 J [2300000/32000000]
BENZO(K)FLUORANTHENE 8.2 UJ/3200 J [15000/25000]
DIBENZO(A,H)ANTHRACENE 14 UJ/1600 J [100/30000]

CEF-P49-SS-004-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 720 [100*/8000]
DIBENZO(A,H)ANTHRACENE 110 [100*/30000]

CEF-P49-SS-005-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 1100 U [68000/2200]
2-METHYLNAPHTHALENE 3500 [83000/6100]
ACENAPHTHENE 4400 [1900000*/2100*]
BENZO(A)ANTHRACENE 1700 [1400*/3200]
BENZO(A)PYRENE 3200 [100*/8000]
BENZO(B)FLUORANTHENE 2800 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 270 U [100/30000]
CEF-P49-SS-503-02
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 69 U [68000/2200]
2-METHYLNAPHTHALENE 275 [83000/6100]
ACENAPHTHENE 208 [1900000/2100]
BENZO(A)ANTHRACENE 457 [1400/3200]
BENZO(A)PYRENE 802 [100*/8000]
BENZO(B)FLUORANTHENE 848 [1400/10000]
DIBENZO(A,H)ANTHRACENE 322 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SU-707-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 360 U [68000/2200]
2-METHYLNAPHTHALENE 360 U [83000/6100]
ACENAPHTHENE 710 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 71 U [100/8000]
BENZO(B)FLUORANTHENE 71 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 71 U [100/30000]

CEF-P49-SS-103-01
Semivolatiles (ug/kg)
BENZO(A)ANTHRACENE 1530 [1400*/3200]
BENZO(A)PYRENE 3110 [100*/8000]
BENZO(B)FLUORANTHENE 3060 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 501 [100*/30000]
INDENO(1,2,3-CD)PYRENE 2070 [1500*/28000]

CEF-P49-SS-102-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 323 [100*/8000]

CEF-P49-SS-201-01
Semivolatiles (ug/kg)
ACENAPHTHENE 5710 [1900000*/2100*]
BENZO(A)ANTHRACENE 3550 [1400*/3200*]
BENZO(A)PYRENE 4460 [100*/8000]
BENZO(B)FLUORANTHENE 6880 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1300 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-504-02
Semivolatiles (ug/kg)
ACENAPHTHENE 72 U [1900000/2100]
BENZO(A)ANTHRACENE 23.8 [1400/3200]
BENZO(A)PYRENE 15.2 [100/8000]
BENZO(B)FLUORANTHENE 34.6 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]

CEF-P49-SS-104-01
Semivolatiles (ug/kg)
ACENAPHTHENE 3860 [1900000*/2100*]
BENZO(A)ANTHRACENE 4750 [1400*/3200*]
BENZO(A)PYRENE 10400 [100*/8000*]
BENZO(B)FLUORANTHENE 6170 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1010 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4740 [1500*/28000]
CEF-P49-SS-506-02
Semivolatiles (ug/kg)
ACENAPHTHENE 271 [1900000/2100]
BENZO(A)ANTHRACENE 519 [1400/3200]
BENZO(A)PYRENE 530 [100*/8000]
BENZO(B)FLUORANTHENE 681 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]
INDENO(1,2,3-CD)PYRENE 404 [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-702-03
Semivolatiles (ug/kg)
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]

CEF-P49-SS-208-01
Semivolatiles (ug/kg)
ACENAPHTHENE 6670 [1900000*/2100*]
BENZO(A)ANTHRACENE 5700 [1400*/3200*]
BENZO(A)PYRENE 9760 [100*/8000*]
BENZO(B)FLUORANTHENE 6720 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 3300 [100*/30000]
CEF-P49-SS-507-02 [Vertical Delineation Sample]
Semivolatiles (ug/kg)
ACENAPHTHENE 488 [1900000/2100]
BENZO(A)ANTHRACENE 820 [1400/3200]
BENZO(A)PYRENE 1670 [100*/8000]
BENZO(B)FLUORANTHENE 1460 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 761 [100*/30000]

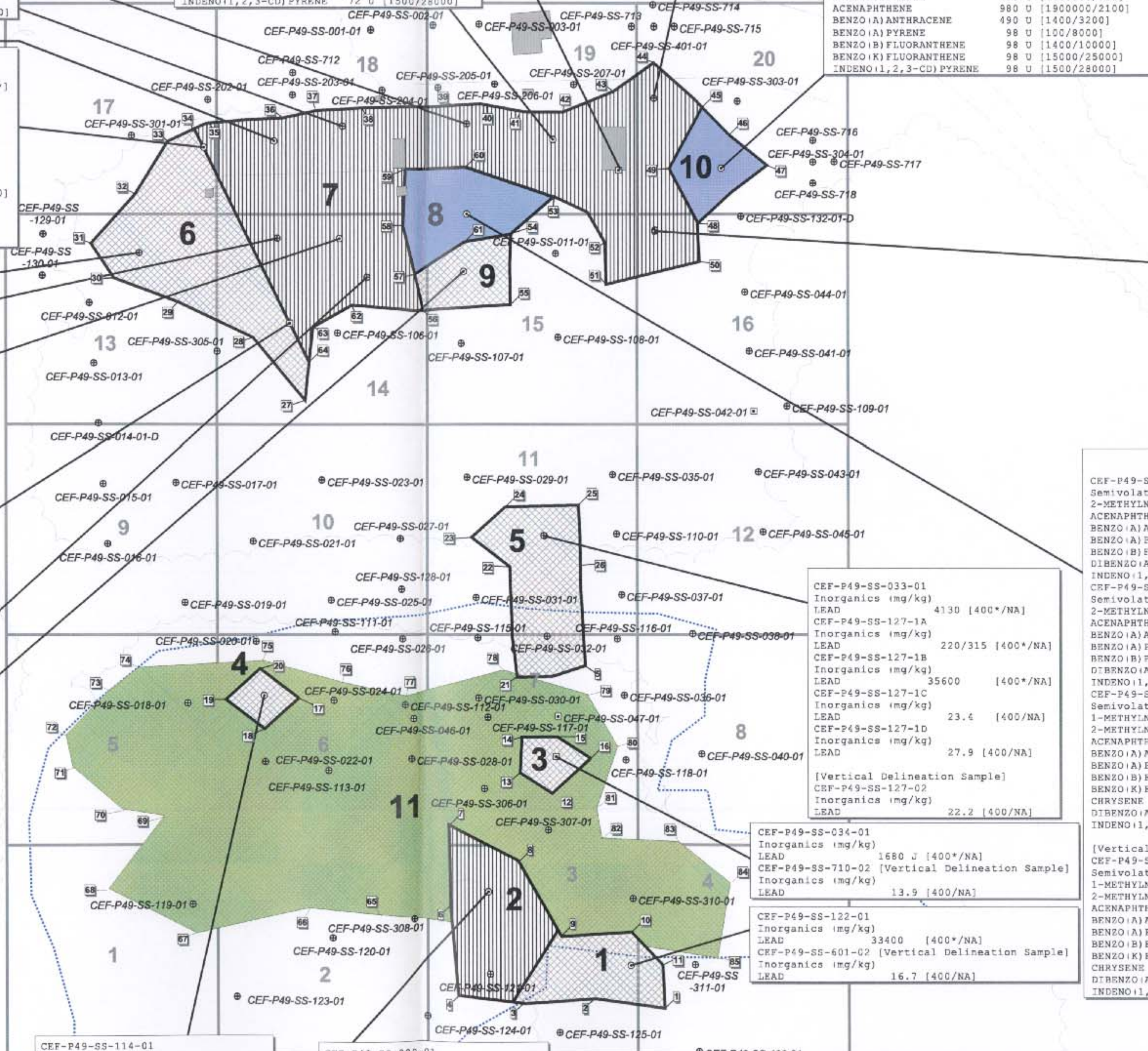
CEF-P49-SS-302-01
Semivolatiles (ug/kg)
ACENAPHTHENE 386 [1900000/2100]
BENZO(A)ANTHRACENE 327 [1400/3200]
BENZO(A)PYRENE 820 [100*/8000]
BENZO(B)FLUORANTHENE 558 [1400/10000]
DIBENZO(A,H)ANTHRACENE 149 [100*/30000]

CEF-P49-SS-131-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 140 U [68000/2200]
2-METHYLNAPHTHALENE 600 [83000/6100]
ACENAPHTHENE 581 [1900000/2100]
BENZO(A)ANTHRACENE 854 [1400/3200]
BENZO(A)PYRENE 1910 [100*/8000]
BENZO(B)FLUORANTHENE 1170 [1400/10000]
BENZO(K)FLUORANTHENE 13000 [15000/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ [1500/28000]
CEF-P49-SU-607-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 52000 U/22900 J [68000/2200]
2-METHYLNAPHTHALENE 52000 UJ/28100 J [83000/6100]
ACENAPHTHENE 52000 U/27700 J [1900000/2100]
BENZO(A)ANTHRACENE 24700/40000 [1400*/3200*]
BENZO(A)PYRENE 14200 J/33500 J [100*/8000*]
BENZO(B)FLUORANTHENE 8490 J/21600 J [1400*/10000]
BENZO(K)FLUORANTHENE 13000/17300 [15000/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ/13400 J [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-704-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 490 U [68000/2200]
2-METHYLPHENOL 490 U [2400000/300]
ACENAPHTHENE 980 U [1900000/2100]
BENZO(A)ANTHRACENE 490 U [1400/3200]
BENZO(A)PYRENE 98 U [100/8000]
BENZO(B)FLUORANTHENE 98 U [1400/10000]
BENZO(K)FLUORANTHENE 98 U [15000/25000]
INDENO(1,2,3-CD)PYRENE 98 U [1500/28000]

CEF-P49-SS-007-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 17000 [83000*/6100*]
ACENAPHTHENE 29000 [1900000*/2100*]
BENZO(A)ANTHRACENE 14000 [1400*/3200*]
BENZO(A)PYRENE 20000 [100*/8000*]
BENZO(B)FLUORANTHENE 190000 [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 7400 [100*/30000]
INDENO(1,2,3-CD)PYRENE 14000 [1500*/28000]
CEF-P49-SS-502-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 321 J/70 UJ [83000/6100]
ACENAPHTHENE 279 J/70 UJ [1900000/2100]
BENZO(A)ANTHRACENE 578 J/141 J [1400/3200]
BENZO(A)PYRENE 1560 J/150 J [100*/8000]
BENZO(B)FLUORANTHENE 938 J/240 J [1400/10000]
DIBENZO(A,H)ANTHRACENE 345 J/87.8 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 760 J/227 J [1500/28000]
CEF-P49-SS-508-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 76 U [83000/6100]
ACENAPHTHENE 76 U [1900000/2100]
BENZO(A)ANTHRACENE 132 [1400/3200]
BENZO(A)PYRENE 260 [100*/8000]
BENZO(B)FLUORANTHENE 230 [1400/10000]
DIBENZO(A,H)ANTHRACENE 39.5 [100/30000]
INDENO(1,2,3-CD)PYRENE 203 [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-705-03
Semivolatiles (ug/kg)
2-METHYLPHENOL 360 U [2400000/300]
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]



CEF-P49-SS-105-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 2770 [100*/8000]
BENZO(B)FLUORANTHENE 1440 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 246 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-708-02
Semivolatiles (ug/kg)
BENZO(A)PYRENE 74 U [100/8000]
BENZO(B)FLUORANTHENE 74 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 74 U [100/30000]

CEF-P49-SS-009-01
BENZO(A)PYRENE 950 [100*/8000]

CEF-P49-SS-010-01
Semivolatiles (ug/kg)
ACENAPHTHENE 4300 [1900000*/2100*]
BENZO(A)ANTHRACENE 2200 [1400*/3200]
BENZO(A)PYRENE 4200 [100*/8000]
BENZO(B)FLUORANTHENE 2600 [1400*/10000]
INDENO(1,2,3-CD)PYRENE 1600 [1500*/28000]

[Vertical Delineation Sample]
CEF-P49-SS-509-02
Semivolatiles (ug/kg)
ACENAPHTHENE 70 U [1900000/2100]
BENZO(A)ANTHRACENE 10 U [1400/3200]
BENZO(A)PYRENE 19 [100/8000]
BENZO(B)FLUORANTHENE 10 U [1400/10000]
INDENO(1,2,3-CD)PYRENE 108 [1500/28000]

CEF-P49-SS-033-01
Inorganics (mg/kg)
LEAD 4130 [400*/NA]
CEF-P49-SS-127-1A
Inorganics (mg/kg)
LEAD 220/315 [400*/NA]
CEF-P49-SS-127-1B
Inorganics (mg/kg)
LEAD 35600 [400*/NA]
CEF-P49-SS-127-1C
Inorganics (mg/kg)
LEAD 23.4 [400/NA]
CEF-P49-SS-127-1D
Inorganics (mg/kg)
LEAD 27.9 [400/NA]

[Vertical Delineation Sample]
CEF-P49-SS-127-02
Inorganics (mg/kg)
LEAD 22.2 [400/NA]

CEF-P49-SS-034-01
Inorganics (mg/kg)
LEAD 1680 J [400*/NA]
CEF-P49-SS-710-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 13.9 [400/NA]

CEF-P49-SS-122-01
Inorganics (mg/kg)
LEAD 33400 [400*/NA]
CEF-P49-SS-601-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 16.7 [400/NA]

CEF-P49-SS-006-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 7400 [83000*/6100*]
ACENAPHTHENE 10000 [1900000*/2100*]
BENZO(A)ANTHRACENE 4800 [1400*/3200*]
BENZO(A)PYRENE 7400 [100*/8000]
BENZO(B)FLUORANTHENE 6100 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 450 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4500 [1500*/28000]
CEF-P49-SS-505-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 322 [83000/6100]
ACENAPHTHENE 262 [1900000/2100]
BENZO(A)ANTHRACENE 748 [1400/3200]
BENZO(A)PYRENE 1480 [100*/8000]
BENZO(B)FLUORANTHENE 1770 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1690 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1640 [1500*/28000]
CEF-P49-SU-605-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 66500 J [68000*/2200*]
2-METHYLNAPHTHALENE 79200 [83000*/6100*]
ACENAPHTHENE 78500 [1900000*/2100*]
BENZO(A)ANTHRACENE 93900 [1400*/3200*]
BENZO(A)PYRENE 71400 [100*/8000*]
BENZO(B)FLUORANTHENE 53100 [1400*/10000*]
BENZO(K)FLUORANTHENE 45400 [15000*/25000*]
CHRYSENE 103000 [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 14000 U [100/30000]
INDENO(1,2,3-CD)PYRENE 30000 [1500*/28000*]

[Vertical Delineation Sample]
CEF-P49-SU-706-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 400 U [68000*/2200*]
2-METHYLNAPHTHALENE 400 U [2400000/300]
ACENAPHTHENE 800 U [1900000/2100]
BENZO(A)ANTHRACENE 400 U [1400/3200]
BENZO(A)PYRENE 53.3 J [100/8000]
BENZO(B)FLUORANTHENE 80 U [1400/10000]
BENZO(K)FLUORANTHENE 80 U [15000*/25000*]
CHRYSENE 400 U [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 80 U [100/30000]
INDENO(1,2,3-CD)PYRENE 47.1 J [1500/28000]

CEF-P49-SS-114-01
Inorganics (mg/kg)
LEAD 42500 [400*/NA]

[Vertical Delineation Sample]
CEF-P49-SS-609-02
Inorganics (mg/kg)
LEAD 232 [400*/NA]

CEF-P49-SS-309-01
Inorganics (mg/kg)
LEAD 51000 [400*/NA]
CEF-P49-SS-603-02
Inorganics (mg/kg)
LEAD 66300 [400*/NA]
CEF-P49-SU-711-03
Inorganics (mg/kg)
LEAD 11 [400/NA]

Corner	Easting	Northing
1	371496.61	2144801.18
2	371447.70	2144807.83
3	371396.50	2144804.63
4	371351.78	2144810.14
5	371441.22	2145041.18
6	371346.46	2144873.35
7	371345.53	2144929.43
8	371394.56	2144904.43
9	371424.37	2144851.61
10	371473.45	2144854.51
11	371495.18	2144831.46
12	371417.72	2144951.88
13	371395.32	2144965.37
14	[illegible]	[illegible]
...	[illegible]	[illegible]
85	371533.90	2144836.61

Notes:
1. Warning: Obtain utility clearance before excavation.
2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
3. Removal will be conducted to depths as noted on label.
4. Contaminants of concern are Lead and PAHs.
5. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
6. Return site to pre-excavation conditions.
7. Provide proper support of excavation walls to protect adjacent building and paved areas.
8. Remediation based on FDEP Leachability and 3 times Residential criteria exceedances.
9. Provide erosion and sedimentation control.
10. Excavation area No. 11 is based on visible Lead pellets on the ground surface.
11. Duplicate sample results noted as sample/duplicate.
12. Exposure Unit size is 0.5 acres.

Legend
- Monitoring Well
- Surface Soil Sample
- Surface and Subsurface Soil Sample
- Subsurface Soil Sample
- Buildings
- Designated Wetlands
- Excavated to 1' Below Ground Surface (bgs) [Human Health]
- Excavated to 1' Below Ground Surface [Ecologic Concerns]
- Excavated to 2' Below Ground Surface [Human Health]
- Excavated to 3' Below Ground Surface [Human Health]

CEF-P21-SS-001 — Sample ID
Fraction (ug/kg)
PARAMETER 500 [100/200] — FDEP Residential SCTL / FDEP Leachability SCTL; Detected Concentration; Parameter

J - Estimated concentration
U - Not detected at or above method detection limit (associated value)
* - Concentration exceeds target cleanup goal

EXCAVATION	AREA ft2	DEPTH ft bgs	VOLUME yd3
1	4120	1	152
2	6261	2	464
3	1273	1	47
4	1082	1	40
5	6433	1	238
6	11026	1	408
7	32937	2	2440
8	4682	3	520
9	2729	1	101
10	2678	3	298
11	59457	0.5	1101
		Total Yards	5809

50 0 50 Feet
P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr
10May02 MJJ E-1 Layout

DRAWN BY MJJ DATE 27Jun01
CHECKED BY DATE 5/9/02
DATE 5/16/01
SCALE AS NOTED

REMOVAL ACTION DESIGN PLAN
SOIL EXCAVATION
SITE 49, FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0038
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE E-1 REV. 0

030209/P

CTO 0078

2.0 Excavation Activities

Excavation activities were conducted at Site 49 on August 8 to 29, 2002, and November 13 to December 31, 2003. Site photographs of the field activities are presented in Appendix B.

2.1 Site Preparation

2.1.1 Wetlands Impact

A portion of the excavation areas were located within a designated wetland area. TtNUS prepared a Wetlands Impact Memo (Attachment 1 of the Technical Memorandum provided in Appendix A) that was submitted to Mr. Steve Sabia of FDEP describing the Removal Action and the proposed restoration. Mr. Sabia concurred with the proposed restoration and requested to receive a copy of the Final Removal Action Design Package for Site 49.

TtNUS also prepared and submitted a predischarge notification to the U.S. Army Corps of Engineers requesting approval under Nationwide Permit Number 38 for wetland impacts resulting from the removal action. The predischarge notification consisted of a cover letter, figures outlining the proposed impacts, and a description of proposed wetland restoration work, as well as Section A of the Joint Application for Environmental Resource Permit (Attachment 2 of the Action Memorandum provided in Appendix A). The U.S. Army Corps of Engineers issued a "No Permit Required Verification" on the predischarge notification, provided in Appendix A.

2.1.2 Gopher Tortoise Survey

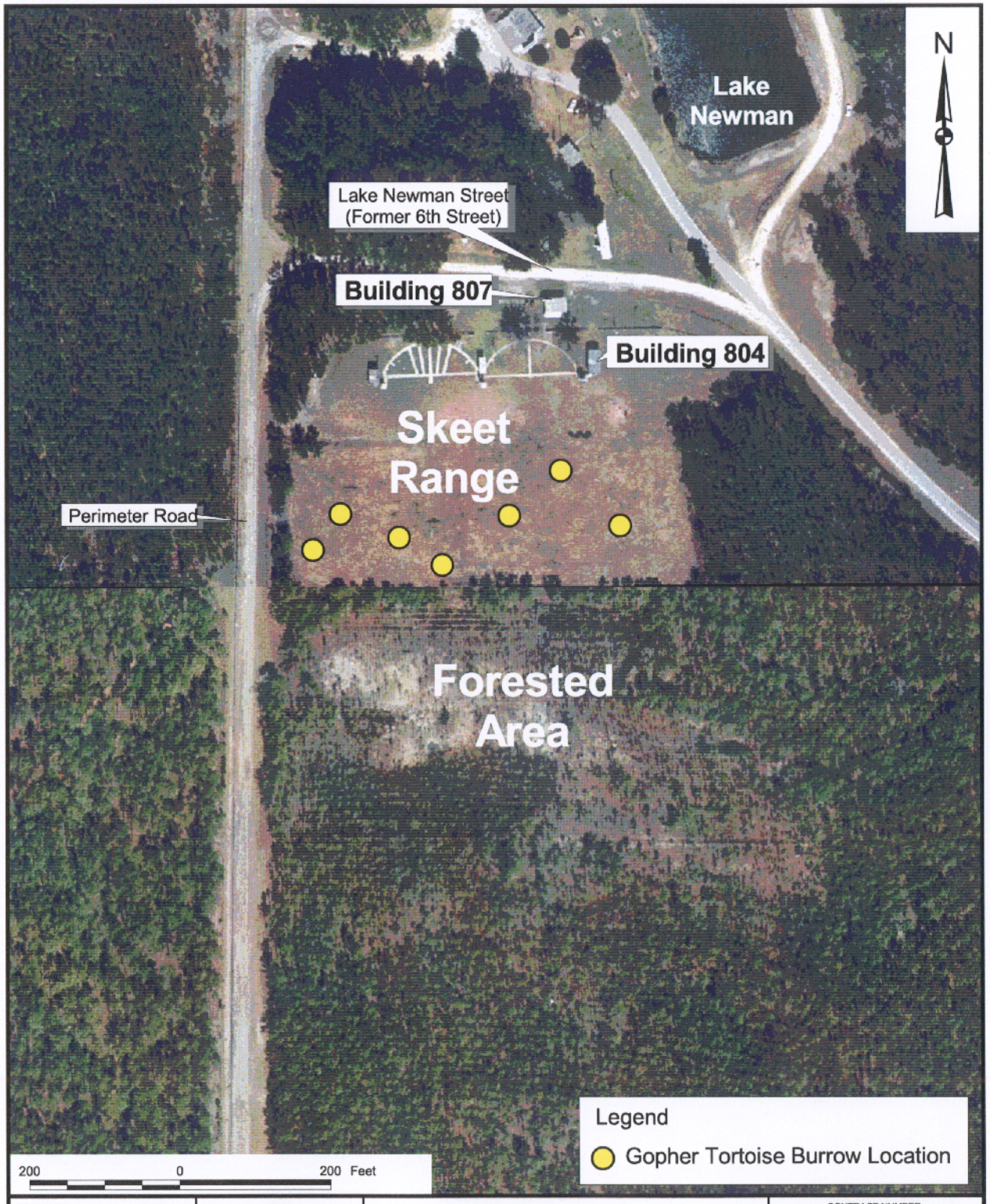
A gopher tortoise survey for the initial excavation activities was conducted by TtNUS on April 29, 2002, to determine if any burrows of this species were within the excavation area. Seven gopher tortoise burrows outside the proposed excavation were observed at Site 49. The Florida Fish and Wildlife Conservation Commission has established guidelines for the protection of the gopher tortoise under Rules 68A-25.002 and 68A-27.002 of the Florida Administrative Code. The gopher tortoise survey for excavation completion was updated by CH2M HILL on November 12, 2003. No gopher tortoise burrows were identified within the excavation limits during this survey. The gopher tortoise surveys are shown on Figures 2-1 and 2-2.

2.1.3 Excavation Limits

Prior to excavation activities, TtNUS located and marked the horizontal excavation limits using survey stakes and marking tape.

2.1.4 Excavation Permit

In preparation for excavation at Site 49, excavation permits were completed in accordance with facility procedures. Sunshine State One-call of Florida and J. A. Jones Global Services conducted the utility locates for the completion of the excavation permit. No utilities were located in the excavation areas.

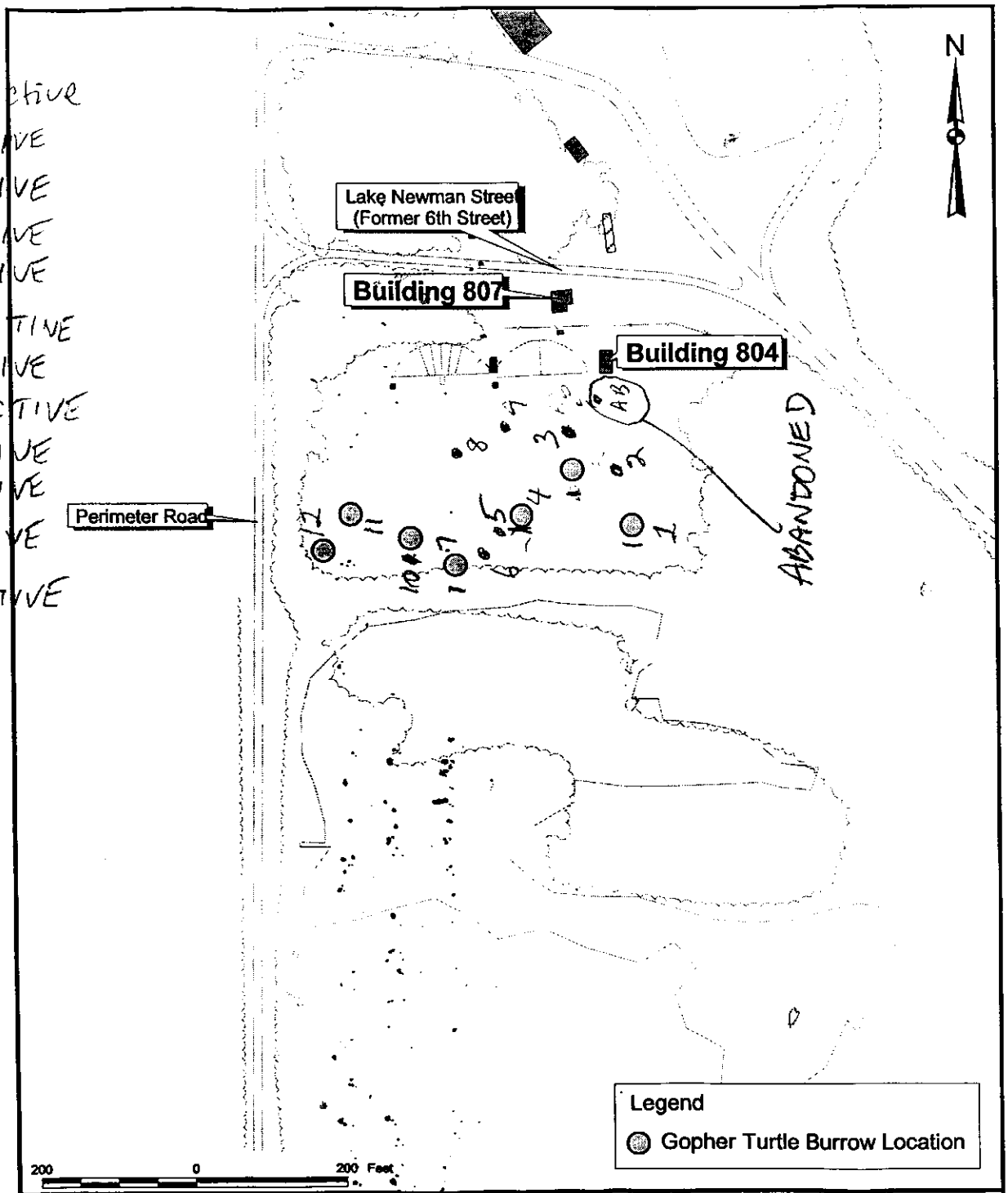


DRAWN BY MJJ	DATE 26Jun01	GOPHER TORTOISE BURROWS SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY [illegible] DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MPS DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE E-2 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 01May02 MJJ E-2 Layout

WALT OGBURN
11/12/2003

1 Inactive
2 ACTIVE
3 ACTIVE
4 ACTIVE
5 ACTIVE
6 INACTIVE
7 ACTIVE
8 INACTIVE
9 ACTIVE
10 ACTIVE
11 ACTIVE
12 INACTIVE



DRAWN BY MJJ	DATE 26Jun01	GOPHER TURTLE BURROWS SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY / DATE
COST/SCHEDULE-AREA			APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE E-2 / REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 01May02 MJJ E-2 Layout

2.1.5 Tree Clearing

In preparation for excavation of Areas 1, 2, 3, 4, 5, and 11, pine trees located with the excavation area limits were removed on August 20 to 22, 2002. The trees were cut at a height of 1 foot above ground surface. All cleared trees and limbs were stockpiled outside the excavation boundary. All tree stumps in the excavation boundary were excavated, loaded, transported, and disposed of with the contaminated soil.

2.2 Soil Excavation, Transportation, and Disposal

2.2.1 Waste Characterization

The procedures utilized for waste characterization sampling and analysis are outlined in Work Plan Addendum No. 15, Excavation of Lead and/or PAH Contaminated Soil at Operable Unit 5, Site 49 Former Skeet Range (CH2M HILL, 2002). Each excavation area delineated by TtNUS was sampled independently for waste characterization. If necessary due to excavation size, the area was further subdivided into the appropriate number of areas for waste characterization sampling based on the analytical data provided by TtNUS in an attempt to minimize soil characterized as hazardous.

Initial waste characterization sampling was performed on May 28 to 29, 2002, and analyzed by Gulf Coast Laboratories for toxicity characteristic leaching procedure (TCLP) volatiles by U.S. Environmental Protection Agency (EPA) Method SW-846 8260B, TCLP semi-volatiles by EPA Method SW-846 8270C, TCLP pesticides by SW-846 8081A, polychlorinated biphenyls (PCBs) by EPA Method SW-846 8082, TCLP herbicides by EPA Method SW-846 8151A, TCLP metals by EPA Method SW-846 6010A, corrosivity by EPA Method 9045a, ignitability by EPA Method 1020, and petroleum hydrocarbons by the Florida Petroleum Residual Organic (FL-PRO) Method. Additional waste characterization sampling for excavation completion was performed on November 18, 2003, and analyzed by Gulf Coast Laboratories for the same parameters as the May 28 to 29, 2002, sampling event.

The disposal characterization results as non-hazardous or hazardous soil are provided on Figure 1-2 and the disposal characterization laboratory analytical reports are provided in Appendix C.

2.2.2 Soil Excavation, Transportation, and Disposal

Soil from Areas 6, 7, 8, 9, and 10, and the northern portion of Area 5 was excavated using an excavator from August 5 to 20, 2002, to the specified excavation limits shown on Figure 1-2. During excavation activities, the depth of each excavation area was verified by the Project QC Manager at regular intervals using a standard tape measure. Following excavation of each area and prior to backfilling, the specified excavation limits were verified by the Project Manager and Project QC Manager. The non-hazardous soil was stockpiled in a containment area lined with 20-mil polyethylene sheeting and loaded in tandem trailer trucks for transportation by Pritchett Trucking and disposal at Chesser Island Landfill, Inc. Based on the weight tickets, 5,514.49 tons of non-hazardous contaminated soil from Areas 6, 7, 8, 9, and 10, and the northern portion of Area 5 was excavated and transported for disposal. The waste disposal profile, waste manifests, weight tickets, and certificates of disposal are provided in Appendices C, D, and F, respectively. Because of a 22.00-ton minimum disposal

facility billing constraint, several weight tickets inaccurately list 22.00 tons as the disposal weight, however the actual disposal weight is provided handwritten on the bottom of the weight ticket.

Following excavation completion for Areas 6, 7, 8, 9, and 10, and the northern portion of Area 5, surface water accumulation due to rain events, a low ground surface elevation, and an increased water table elevation, caused the postponement of excavation of Areas 1, 2, 3, 4, 11, and the southern portion of Area 5. Initially, the water table elevation was expected to lower following the "rainy" season causing the surface water to recede allowing for excavation completion. The site was inspected weekly, and when this did not occur, the surface water was sampled for lead on August 15, 2002, May 19, 2003, and August 28, 2003, to evaluate possible disposition options for the surface water. The surface water laboratory analytical reports are provided in Appendix D. Several options for surface water removal or relocation, including dewatering, were discussed by the BCT, but based on the elevated lead analytical results for each of the sampling events, onsite or offsite treatment would have been required to remove or relocate the accumulated surface water. Due to the elevated costs associated with surface water treatment, the site was continually inspected in an attempt to "find a window" of the necessary site conditions to allow excavation completion without surface water removal or relocation. The necessary site conditions were achieved when a construction project to expand Lake Fretwell (approximately 1 mile south of Site 49) began in November 2003. The construction project included dewatering the lake for expansion, which lowered the water table elevation at Site 49 causing the surface water to recede.

Soil from Areas 1, 2, 3, 4, and 11, and the southern portion of Area 5 was excavated using an excavator from November 13 to December 4, 2003, to the specified excavation limits shown on Figure 1-2. During excavation activities, the depth of each excavation area was verified by the Project QC Manager at regular intervals using a standard tape measure. Following excavation of each area and prior to backfilling, the specified excavation limits were verified by the Project Manager and Project QC Manager. The non-hazardous soil from Areas 2, 3, 5, and 11 was stockpiled in a containment area lined with 20-mil polyethylene sheeting and loaded in tandem trailer trucks for transportation by Pritchett Trucking and disposal at Chesser Island Landfill, Inc. Based on the weight tickets, 1,431.08 tons of non-hazardous contaminated soil from Areas 2, 3, 5, and 11 was excavated and transported for disposal. The waste disposal profile, waste manifests, weight tickets, and certificates of disposal are provided in Appendices E, F, and G, respectively. The hazardous soil from Areas 1, 4, 11A, 11B, and 11C was direct loaded in tandem trailer trucks for transportation by Action Resources, Inc. and disposal at Michigan Disposal Waste Treatment Plant. Based on the weight tickets, 949.17 tons of hazardous contaminated soil from Areas 1, 4, 11A, 11B, and 11C was excavated and transported for disposal. The waste disposal profile, waste manifests/weight ticket log, and certificates of disposal are provided in Appendices E, H, and G, respectively.

The Transportation and Disposal Log is provided in Appendix I.

2.3 Backfill and Site Restoration

Areas 6, 7, 8, 9, and 10 were backfilled to grade from August 5 to 26, 2002, with certified clean fill material obtained from Marietta Sand Corporation. The laboratory analytical report certifying the material was clean fill is provided in Appendix J. Areas 6, 7, 8, 9, and 10 were seeded with summer rye grass seed and mulched with straw on August 29, 2002, and re-seeded with winter rye on December 23, 2003.

Areas 1, 2, 3, 4, 5, and 11 were restored from November 13 to December 31, 2003. Following excavation, the soil was disturbed using a excavator. Four inches of clean, naturally friable topsoil with a United States Department of Agriculture soil texture classification of loamy sand obtained from Marietta Sand Corporation was added to Areas 1, 2, 3, 4, 5, and 11. The laboratory analytical report certifying the material as clean is provided in Appendix J. Johnny's Tractor Service disked the soil and incorporated 760 pounds of 10-20-20 fertilizer and 3.8 tons of agricultural lime into the topsoil. The seed mixture supplied by Ernst Conservation Seeds, consisting of the species of vegetation listed in Table 2-1, was broadcast over the excavation footprint. The wetland restoration was performed in accordance with the Recommended Wetland Restoration Specifications from the Action Memorandum (TtNUS, 2002) provided in Appendix A.

TABLE 2-1
Seed Mix

Scientific Name	Common Name	Seeding Rate (lb. PLS/A)	Quantity Required (lb. PLS)
Panicum virgatum	Switchgrass	25	47.5
Dichanthelium clandestim	Deertongue grass	12	22.8
--	Winter Rye	20	38

Note: PLS/A = Pounds Pure Live Seed per Acre

2.4 Problems Encountered

Excavation completion was delayed from August 29, 2002 to November 13, 2003, due to surface water accumulation in Areas 1, 2, 3, 4, 11, and the southern portion of Area 5. During this time, the site was inspected on a weekly basis and the BCT discussed several methods of removing the surface water, including dewatering. The surface water was sampled for lead on August 15, 2002, May 19, 2003, and August 28, 2003, to evaluate disposition options. Levels of lead contamination in the surface water were above levels that allowed for disposal without onsite or offsite treatment. Surface water laboratory analytical reports are provided in Appendix D. Facility construction required the dewatering of Lake Fretwell (approximately 1 mile south of Site 49), which caused a decrease in the water table at Site 49 which allowed for excavation completion.

3.0 Conclusions

The source removal at Site 49 was completed from August 5, 2002 to December 31, 2003, in accordance with the Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range (TtNUS, 2002), and included:

- Site preparation;
- Excavation, transportation, and disposal of 6,945.57 tons of non-hazardous lead and/or PAH contaminated soil from the specified excavation limits shown on Figure 1-2;
- Excavation, transportation, and disposal of 949.17 tons of hazardous lead contaminated soil from the specified excavation limits shown on Figure 1-2; and
- Site restoration

Based on the source removal activities documented in this report, the specified project objectives were achieved.

4.0 References

CH2M HILL Constructors, Inc. March 1998. *Basewide Work Plan, Naval Air Station Cecil Field, Jacksonville, Florida*.

CH2M HILL Constructors, Inc. June 2003. *CTO0005 Work Plan Addendum No.15, Excavation of Lead and/or PAH Contaminated Soil from Operable Unit 5 Site 49 Former Skeet Range, Former Naval Air Station Cecil Field, Jacksonville, Florida*.

Appendix A

Guidance Documentation

- Action Memorandum for Operable Unit 5, Site 49 - Former Skeet Range; Naval Air Station Cecil Field; Jacksonville, Florida [Tetra Tech NUS, Inc., 2002]
- Department of the Army No Permit Required Verification Letter

Action Memorandum
For
Operable Unit 5,
Site 49 – Former Skeet Range
Naval Air Station Cecil Field
Jacksonville, Florida

May 2002

ACTION MEMORANDUM

DATE: May 10, 2002

SUBJECT: Action Memorandum for Operable Unit 5, Site 49 – Former Skeet Range at Naval Air Station (NAS) Cecil Field, Jacksonville, Florida.
(FL-517-002-2474)

PREPARED BY: Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh, PA 15220

PREPARED FOR: Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

THROUGH: Scott Glass
BRAC Environmental Coordinator (BEC)

TO: NAS Cecil Field Administrative Record

1.0 PURPOSE

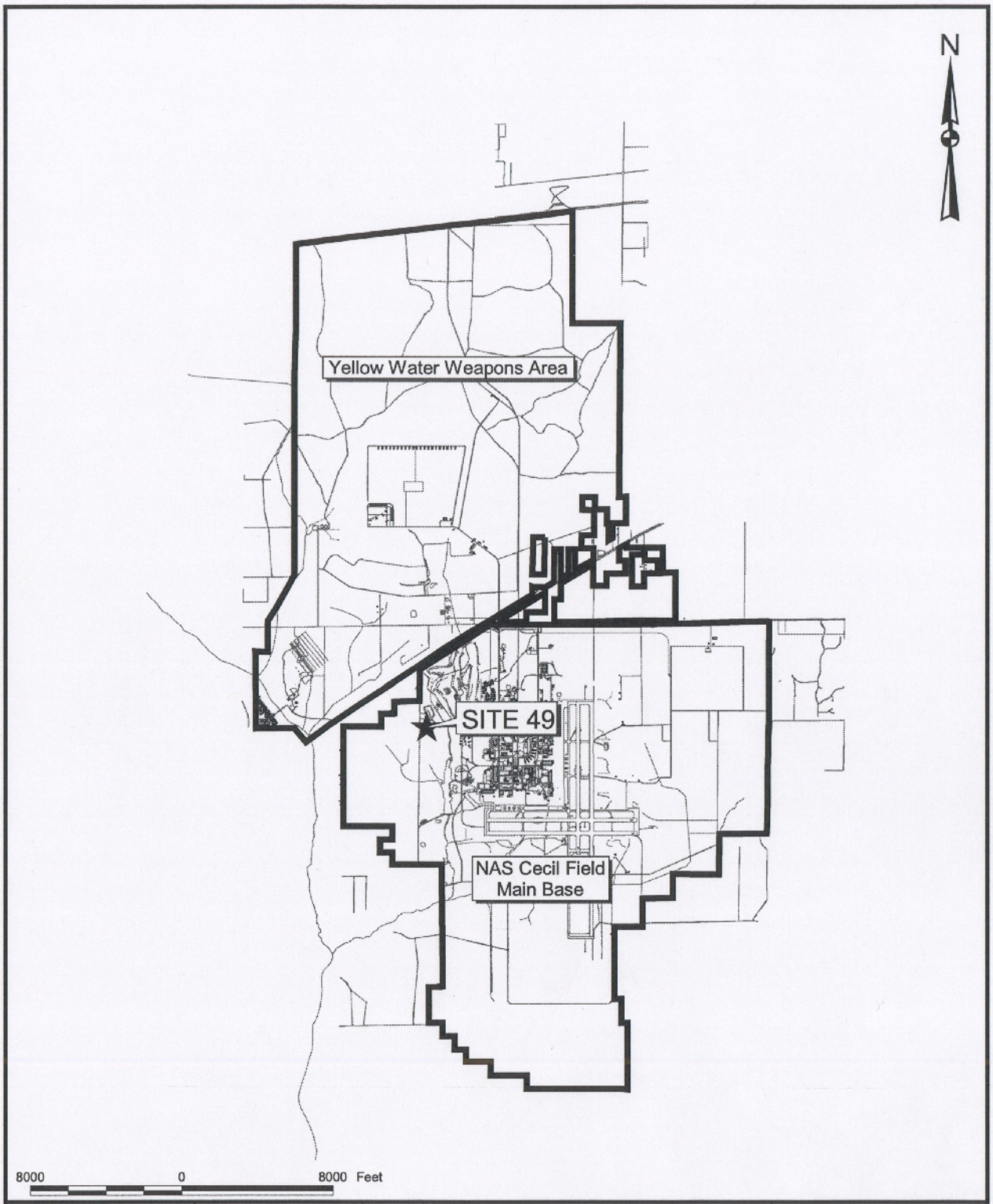
The purpose of this Action Memorandum for Operable Unit (OU) 5, Site 49 is to discuss the investigations performed, identify the need for a removal action, and present the proposed removal action to be conducted. The proposed removal action will be performed in accordance with the National Contingency Plan (NCP), 40 CFR 300.415.

This Action Memorandum has been prepared by Tetra Tech NUS, Inc. (TtNUS) for the Department of the Navy Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM). The work was conducted under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Program, Contract Number N62467-94-D-0888, Contract Task Order (CTO) 0078.

2.0 SITE CONDITIONS AND BACKGROUND

2.1 Site Description

OU 5, Site 49 consists of the former skeet range (Facility 804) located in the area known as the Main Base of NAS Cecil Field. The site is located at the western end of Lake Newman Street (formerly 6th Street), at the junction of Perimeter Road (Figure 2-1). The site is an unpaved and undeveloped area that has been cleared; it covers about 4.5 acres. The open area is surrounded by wooded areas, although the



DRAWN BY MJJ	DATE 26Jun01	GENERAL LOCATION MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY RFL DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MPD DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-1 Layout

area to the northeast is cleared around Lake Newman. The wooded area south of the range (downrange) has sparse vegetation compared to the adjacent wooded areas. Clay pigeon fragments are scattered throughout the area. Five small buildings on site were previously used for storage and launching of clay pigeons and one other small building was used for electrical equipment. Building 807, the Skeet Range Office, is located at the northern end of the site (Figure 2-2). The area is undeveloped and the reuse plan identifies the area for Park/Buffer uses.

2.2 Site History

The area known as OU 5, Site 49 was used as a skeet shooting range from 1965 to 1998. Prior to 1965, historic aerial photographs show that the area was unused and undeveloped. Building 807 was constructed in 1971. The site was identified in the Environmental Baseline Survey (EBS) (ABB-ES, 1994) as Potential Source of Contamination (PSC) 49. TtNUS performed field investigations for the assessment of surface and subsurface soil and groundwater at PSC 49 from June 1999 to May 2001. Based on the extent and type of contamination, the investigation was moved into the CERCLA program, and the area was identified as Site 49 and grouped into Operable Unit 5.

2.3 Previous Investigations

This area was initially evaluated as Facility 804 during the EBS. Because of the potential for lead contamination, the EBS recommended further investigation; however, no Phase II Sampling and Analysis program was conducted at that time. The area was designated as PSC 49 in January 1999, and further evaluations of the site were conducted.

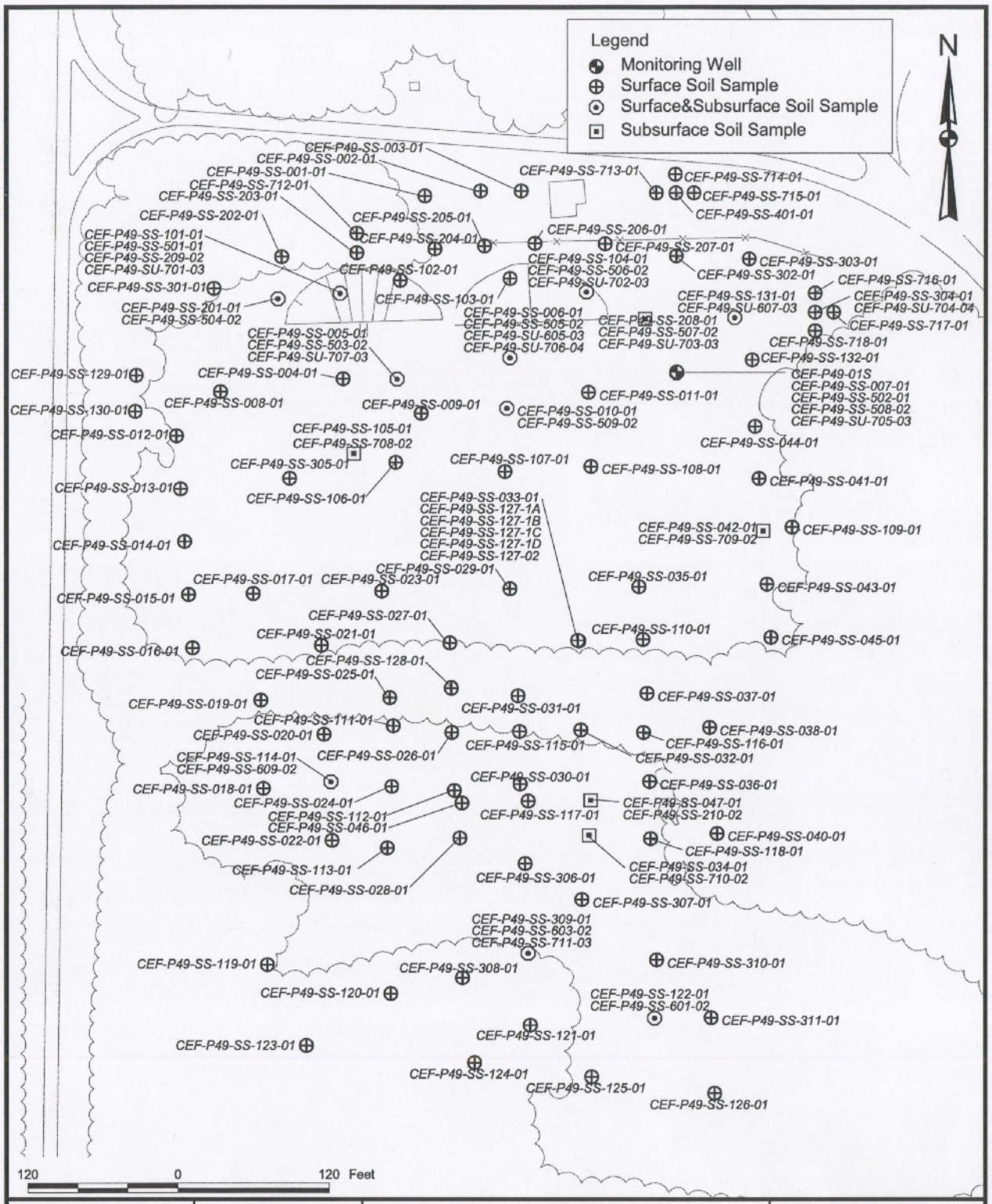
PSC 49 was investigated by TtNUS from June 1999 through May 2001. During this period, polynuclear aromatic hydrocarbon (PAH) and inorganic contamination was detected and delineated horizontally and vertically. Eight sampling events were conducted to delineate the extent of soil contamination. Sample locations are shown in Figure 2-3, and the analytical results (Table 2-1) are provided in the Engineering Evaluation/Cost Analysis (EE/CA) (TtNUS, 2002). Also located in the EE/CA is a summary table (Table 2-2) of the positive analytical results for the soil samples collected. This table also provides the frequencies, ranges of detection, and locations of maximum detections for volatile organic compounds (VOCs), semivolitile organic compound (SVOCs), inorganics, and total organic carbon (TOC) detected at this site.

2.4 Regulatory Agencies

NAS Cecil Field is on the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) National Priorities List (NPL). Therefore, the Navy is the lead agency and the United States

DRAWN BY MJJ	DATE 26Jun01	SITE LAYOUT MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY RFS DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MJP DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 2-2 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-2 Layout



DRAWN BY MJJ	DATE 26Jun01	SAMPLE LOCATION MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY [illegible] DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY [illegible] DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 2-3 / REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-3 Layout

Environmental Protection Agency (U.S. EPA) and the Florida Department of Environmental Protection (FDEP) are the oversight agencies. U.S. EPA and FDEP have concurred on the removal determination for Site 49. The Navy, U.S. EPA, FDEP, and Navy contractors make up the Base Realignment and Closure (BRAC) Cleanup Team (BCT). Members of the BCT have the authorization to expedite cleanups at NAS Cecil Field.

A Restoration Advisory Board (RAB) has been established, and removal actions of this nature are presented to the RAB for comment and input. The removal action at OU 5, Site 49 has been identified as a non-time-critical removal action.

3.0 ENDANGERMENT DETERMINATION

The removal action objective for Site 49 is to excavate contaminated soils to permit unrestricted use of the land. In addition, areas of soil outside the delineated area with visible lead pellets will also be excavated. Due to current and future activities at the site, there is a potential exposure to nearby human populations.

Actual or threatened releases of contaminants at Site 49, if not addressed by implementing the response action selected in this Action Memorandum, may present an imminent and substantial endangerment to public health, or welfare, or the environment.

4.0 PROPOSED ACTIONS AND ESTIMATED COSTS

4.1 Proposed Action

The proposed removal action is designed to address contaminated soil in the area of Site 49. Investigations were conducted to delineate the extent of benzo(a)pyrene (BaP) and lead contamination identified in the soils at Site 49.

As documented in BCT meeting minutes, number 1494 for June 20, 2001, soils at this site will be remediated to a residential land use scenario. This removal action consists of the excavation and offsite disposal of approximately 5,681 cy of soil. Soils which exceed three times the FDEP Soil Cleanup Target Levels (SCTLs) for residential direct exposure or leachability to groundwater (FDEP, 1999) will be removed. In addition, the areas identified in the Remedial Design (Appendix A) as having lead pellets, as determined by a site evaluation conducted by TtNUS, are also to be excavated.

Recent field surveys at NAS Cecil have determined that portions of the forested area at Site 49 are jurisdictional wetlands. A portion of the area of proposed excavation lies within these identified wetlands.

A gopher tortoise survey was conducted on April 29, 2002 to determine if any burrows of this species are within the excavation area. Seven gopher tortoise burrows outside the area of proposed excavation were observed at Site 49. The Florida Fish and Wildlife Conservation Commission has established guidelines for the protection of the gopher tortoise under Rules 68A-25.002 and 68A-27.002 of the Florida Administrative Code. The guidelines require mitigation for any activities that will destroy tortoise burrows. Given no gopher tortoise burrows will be impacted, no permit is required as long as the actions are conducted within the 90 day of the survey. If the removal action is to take place after July 27, 2002, then an additional survey will need to be conducted.

The removal design to be implemented to mitigate the public health threat posed by direct human contact and inhalation of airborne particles is provided in Appendix A. The removal action and disposal of the soil will be conducted in a manner that complies with all state, local, and federal regulations, including established quality assurance/quality control (QA/QC) protocols provided in the U.S. EPA Region 4 Environmental Investigations Standard Operating Procedure and Quality Assurance Manual (EISOPQAM) (U.S. EPA, 1996).

4.2 Applicable or Relevant and Appropriate Requirements (ARARs)

The proposed response action, which is to excavate soils that exceed the established pickup levels, will comply with the state and federal ARARs.

4.3 Estimated Cost

The estimated cost of implementation of this alternative is $786,000.

5.0 EXPECTED CHANGE IN THE SITUATION SHOULD THE RESPONSE ACTION BE DELAYED OR NOT TAKEN.

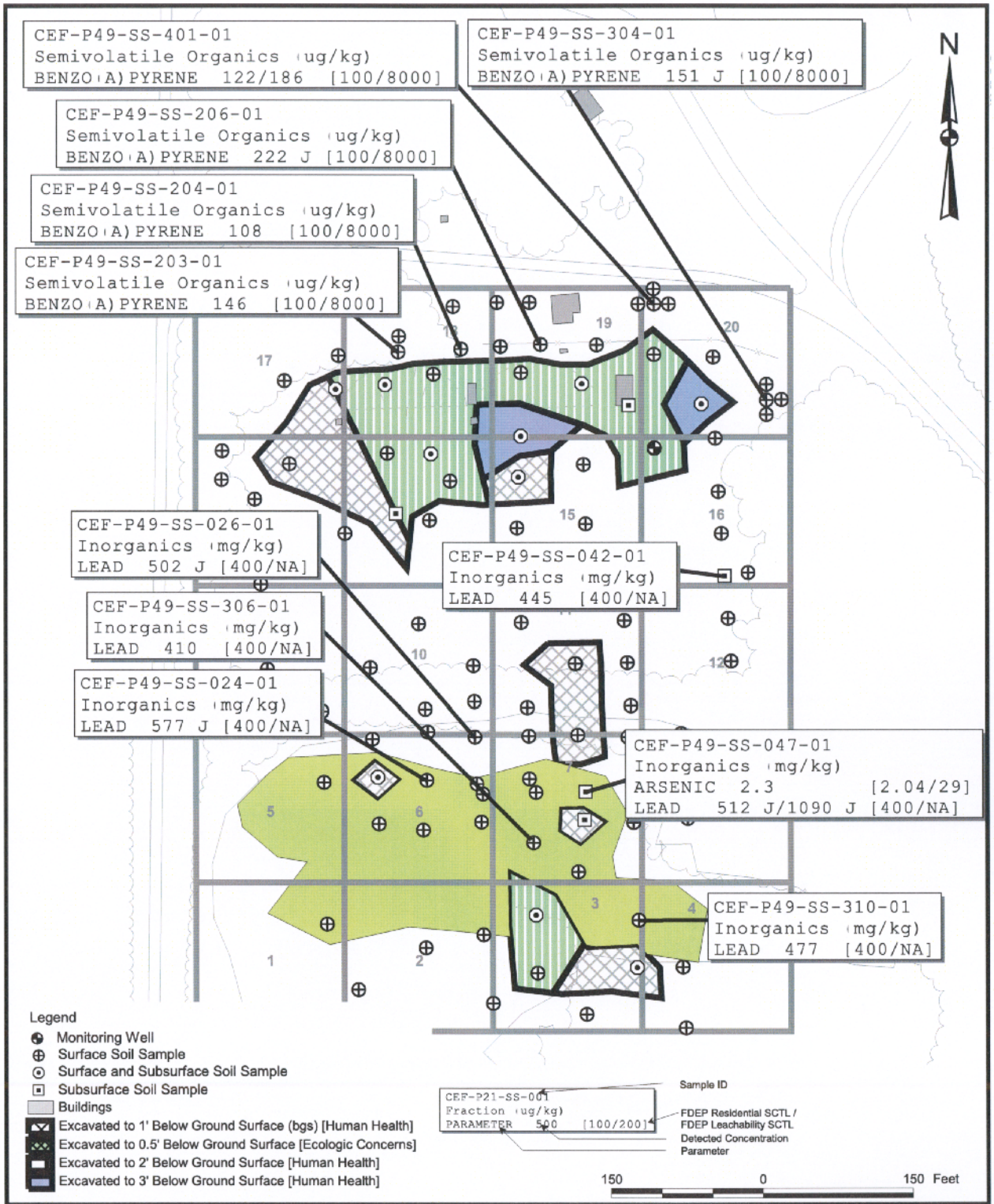
BaPEq concentrations in soils at Site 49 have been identified as exceeding three times the FDEP residential SCTL and leachability criteria. Since BaP accounted for most of the carcinogenic PAHs (cPAHs) exceedances, the BCT decided that these cPAHs should be considered as a family of compounds and quantified in terms of BaP equivalents (BaPEqs) (BCT, 2001). The BCT agreed that soils exceeding three times the residential SCTLs or the leachability to groundwater criteria for BaP and lead would be excavated and disposed offsite to achieve the residential land use scenario. Delayed action will increase the risk to public health by leaving contamination in place, thus increasing the time that potential receptors are exposed to these elevated concentrations.

Some soil samples remaining on site after the excavation activities have been completed may have concentrations in excess of residential SCTLs, but the exposure concentrations were determined to be less than the residential SCTLs. Figure 5-1 shows the sample locations remaining after the proposed excavation which have concentrations that exceed the residential FDEP SCTLs.

6.0 RECOMMENDATIONS

This Action Memorandum presents the selected removal action (Appendix A) for Site 49 at NAS Cecil Field, developed in accordance with CERCLA as amended and consistent with the NCP. This decision to excavate and dispose soils offsite in a non-time-critical manner is based on information to be provided in the Administrative Record for NAS Cecil Field.

Conditions at Site 49 meet the NCP Section 300.415(b)(2) criteria for a removal, and it is recommended that this removal action be conducted. The total cost of this remedial action to comply with residential land use standards is estimated to cost $786,000 to implement.



DRAWN BY MJJ	DATE 02May02	REMOVAL ACTION DESIGN PLAN SAMPLES EXCEEDING RESIDENTIAL CRITERIA POST SOIL EXCAVATION SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 5-1 / REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 5-1 Layout

REFERENCES

ABB-ES (ABB Environmental Services, Inc.), 1994. Base Realignment and Closure Environmental Baseline Survey Report Naval Air Station (NAS) Cecil Field, November.

BRAC (Base Realignment and Closure) Cleanup Team (BCT), 2001. BCT Minutes No. 1494, Action No. 1196, Decision No. 540, Meeting of June 20.

Florida Department of Environmental Protection (FDEP), 1999. Contaminant Target Levels Rule, Soil, Groundwater and Surface Water Target Cleanup Levels. Florida Administrative Code (F.A.C.) Chapter 62-777, August.

Harding Lawson Associates (HLA), 1998. Inorganic Background Data Set.

TtNUS (Tetra Tech NUS), 2002. Engineering Evaluation/Cost Analysis for Operable Unit 5, Site 49, Former Skeet Range, Naval Air Station Cecil Field, Jacksonville, Florida. Prepared for SOUTHNAVFACENCOM, North Charleston, South Carolina, June.

U.S. EPA (U.S. Environmental Protection Agency), Region 4, 1996. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Athens, Georgia.

APPENDIX A

REMOVAL DESIGN

REMOVAL ACTION DESIGN PACKAGE
FOR
OPERABLE UNIT 5, SITE 49 – FORMER SKEET RANGE

SITE BACKGROUND

Benzo(a)pyrene (BaP) and lead were detected at concentrations in excess of the Florida Department of Environmental Protection (FDEP) residential soil cleanup target levels (SCTLs). Also detected were a number of other carcinogenic polynuclear aromatic hydrocarbons (cPAHs), however, since BaP accounted for most of the cPAH exceedances, the BCT decided that these cPAHs should be considered as a family of compounds and quantified in terms of BaP equivalents (BaPEqs). The Base Realignment and Closure (BRAC) Cleanup Team (BCT) reviewed soil analytical results for Site 49, and a decision was made to delineate the extent of contaminated soil. The limits of contamination were determined and the results provided in the Engineering Evaluation / Cost Analysis (EE/CA) report (TtNUS, 2002).

The site was divided into 1/2-acre exposure units in order to evaluate the site for residential use. A statistical evaluation was conducted to determine the areas requiring removal to achieve an exposure unit upper confidence level (UCL) for BaPEq and an exposure unit average concentration for lead that was below their respective residential SCTL.

It was decided that soil samples with contaminant concentrations greater than three times the FDEP residential SCTLs or greater than the leachability criteria would be excavated. Excavation of these soils ensures protection of human health and groundwater. Some soil samples remaining on site after excavation activities have been completed may have concentrations in excess of the residential SCTLs, but the exposure unit concentrations were determined to be less than the residential SCTL.

The exposure concentration is represented best by the 95% UCL of the mean for BaPEq and by the average concentration for lead. Using an iterative statistical process, the concentration above which soil must be removed to achieve a UCL or average less than or equal to the Florida SCTL (pickup level) is determined. In theory, the sampling locations with the highest contaminant concentrations would be excavated and replaced with clean fill. The excavated sample points were assumed to be replaced with clean fill with a contaminant concentration equal to one-half the detection limit. If the UCL or average is less than the residential SCTL, protection of human health is ensured.

For Site 49, the UCL and average are less than the residential SCTLs when samples with concentrations greater than three times their respective SCTLs are removed. In addition, samples with concentrations

greater than leachability criteria are to be excavated. Therefore, the pickup levels for contaminants of concern at Site 49 are the lesser of the leachability criteria and three times the residential criteria.

Contaminant	Leachability Criteria	FDEP Residential Criteria	Pickup Level
BaPEq	8,000 μg/kg	100 μg/kg	300 μg/kg
Lead	NC	400 mg/kg	1,200 mg/kg

NC = No criterion.

The areas with concentrations greater than the pickup levels are shown on Figure E-1. The statistical evaluations used to ensure that post-excavation UCLs for BaPEq are less than SCTLs is presented in Table 1, and Table 2 provides the statistical evaluation for lead. These tables do not include samples excavated for leachability exceedances unless the concentrations were also three times greater than the residential SCTL.

GUIDANCE NOTES

This information is provided for general guidance purposes only. The approximate areas of excavation are shown on Figure E-1. The actual extent of excavation will be defined by Tetra Tech NUS, Inc. (TtNUS) with white spray-down paint (or equivalent) prior to the execution of the removal action. Analytical results identifying the areas that required removal and the vertical extent sample results are provided in tag map E-1.

TtNUS conducted a Gopher Tortoise Burrow Survey on April 29, 2002. The locations are identified on Figure E-2. The survey identified that no burrows were located within the footprint of the excavation area, therefore a permit to conduct the removal action is not required. The construction activities are not permitted within a radius of 25 feet of identified burrow.

A portion of the areas of excavation lies within a designated wetland area. TtNUS prepared a Wetlands Impact Memo (Attachment 1) that was submitted to Mr. Steve Sabia, of FDEP describing the Removal Action and proposed restoration. Mr. Sabia has concurred with the proposed restoration and requested to receive a copy of the Final Removal Action Design Package for Site-49. TtNUS also prepared and submitted a predischarge notification to the U.S. Army Corps of Engineers requesting approval under Nationwide Permit Number 38 for wetland impacts resulting from the removal action. The predischarge notification consisted of a cover letter, figures outlining the proposed impacts, and a description of proposed wetland restoration work, as well as Section A of the Join Application for Environmental Resource Permit (Attachment 2).

The Remedial Action Contractor (RAC) will be responsible for the following:

- The schedule and methods of excavation.
- All aspects of work site health and safety.
- Identification and avoidance of all above-ground and underground utilities or other man-made structures.
- Waste characterization, transport (both on and off site), and disposal of all excavated soil.
- Notification of TtNUS and the Navy if observations indicate contaminants may extend beyond the planned lateral or vertical limits of the excavation.
- Except where necessary for avoidance of structures or utilities, or where otherwise specified by TtNUS, the depths of the excavation areas should extend between 1 to 3 feet below ground surface.
- Excavated soil shall be stockpiled on, and covered with, heavy-duty polyethylene sheeting at the site. This shall be done in a manner to avoid the potential for contaminating surrounding soil or surface water. Alternatively, soils may be stockpiled in properly covered roll-off containers.
- Stockpiling and combining of materials from different sites is permitted with prior approval of the BCT, if similar types and concentrations of contaminants are involved and were generated by similar processes.
- Materials used to backfill the excavations will be from an uncontaminated source and capable of supporting the same type of vegetation as the removed soil. The ground surface shall be restored to a similar or better condition than existed prior to excavation.
- Portions of excavation areas 1, 2, 3, 4, 5 and 11 lie within a designation wetland area. The restoration of impacted areas shall follow the guidelines provided in Attachment 3 – Wetland Restoration Specifications.

This page intentionally left blank.

```
CEF-P49-SS-101-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE     19700 J [83000*/6100*]
ACENAPHTHENE            23200 J [1900000*/2100*]
BENZO(A)ANTHRACENE      27800 J [1400*/3200*]
BENZO(A)PYRENE          65600 J [100*/8000*]
BENZO(B)FLUORANTHENE    39200 J [1400*/10000*]
DIBENZO(A,H)ANTHRACENE  10900 J [100*/30000]
INDENO(1,2,3-CD)PYRENE  25600 J [1500*/28000]
CEF-P49-SS-501-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE       150    [83000/6100]
ACENAPHTHENE              455    [1900000/2100]
BENZO(A)ANTHRACENE       1200    [1400/3200]
BENZO(A)PYRENE           2050    [100*/8000]
BENZO(B)FLUORANTHENE     2430    [1400*/10000]
DIBENZO(A,H)ANTHRACENE    936    [100*/30000]
INDENO(1,2,3-CD)PYRENE   1720    [1500*/28000]
CEF-P49-SS-209-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE       901       [83000/6100]
ACENAPHTHENE             1250       [1900000/2100]
BENZO(A)ANTHRACENE       1160       [1400/3200]
BENZO(A)PYRENE            176       [100*/8000]
BENZO(B)FLUORANTHENE     1700       [1400*/10000]
DIBENZO(A,H)ANTHRACENE    938       [100*/30000]
INDENO(1,2,3-CD)PYRENE      9.9 U   [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-701-03
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE     390 U/410 U [83000*/6100*]
ACENAPHTHENE            780 U/820 U [1900000/2100]
BENZO(A)ANTHRACENE      390 U/410 U [1400/3200]
BENZO(A)PYRENE           78 U/82 U  [100/8000]
BENZO(B)FLUORANTHENE     78 U/82 U  [1400/10000]
DIBENZO(A,H)ANTHRACENE   78 U/82 U  [100/30000]
INDENO(1,2,3-CD)PYRENE   78 U/82 U  [1500/28000]
```

```
CEF-P49-SS-103-01
Semivolatiles (ug/kg)
BENZO(A)ANTHRACENE      1530 [1400*/3200]
BENZO(A)PYRENE          3110 [100*/8000]
BENZO(B)FLUORANTHENE    3060 [1400*/10000]
DIBENZO(A,H)ANTHRACENE   501 [100*/30000]
INDENO(1,2,3-CD)PYRENE  2070 [1500*/28000]
```

```
CEF-P49-SS-102-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE            323 [100*/8000]
```

```
CEF-P49-SS-104-01
Semivolatiles (ug/kg)
ACENAPHTHENE             3860 [1900000*/2100*]
BENZO(A)ANTHRACENE       4750 [1400*/3200*]
BENZO(A)PYRENE          10400 [100*/8000*]
BENZO(B)FLUORANTHENE     6170 [1400*/10000]
DIBENZO(A,H)ANTHRACENE   1010 [100*/30000]
INDENO(1,2,3-CD)PYRENE   4740 [1500*/28000]
CEF-P49-SS-506-02
Semivolatiles (ug/kg)
ACENAPHTHENE             271     [1900000/2100]
BENZO(A)ANTHRACENE       519     [1400/3200]
BENZO(A)PYRENE           530     [100*/8000]
BENZO(B)FLUORANTHENE     681     [1400/10000]
DIBENZO(A,H)ANTHRACENE    11 U   [100/30000]
INDENO(1,2,3-CD)PYRENE   404     [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-702-03
Semivolatiles (ug/kg)
ACENAPHTHENE             720 U [1900000/2100]
BENZO(A)ANTHRACENE       360 U [1400/3200]
BENZO(A)PYRENE            72 U [100/8000]
BENZO(B)FLUORANTHENE      72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE    72 U [100/30000]
INDENO(1,2,3-CD)PYRENE    72 U [1500/28000]
```

```
CEF-P49-SS-208-01
Semivolatiles (ug/kg)
ACENAPHTHENE             6670 [1900000*/2100*]
BENZO(A)ANTHRACENE       5700 [1400*/3200*]
BENZO(A)PYRENE           9760 [100*/8000*]
BENZO(B)FLUORANTHENE     6720 [1400*/10000]
DIBENZO(A,H)ANTHRACENE   3300 [100*/30000]
CEF-P49-SS-507-02 [Vertical Delineation Sample]
Semivolatiles (ug/kg)
ACENAPHTHENE              488 [1900000/2100]
BENZO(A)ANTHRACENE        820 [1400/3200]
BENZO(A)PYRENE           1670 [100*/8000]
BENZO(B)FLUORANTHENE     1460 [1400*/10000]
DIBENZO(A,H)ANTHRACENE    761 [100*/30000]
```

```
CEF-P49-SS-302-01
Semivolatiles (ug/kg)
ACENAPHTHENE              386 [1900000/2100]
BENZO(A)ANTHRACENE        327 [1400/3200]
BENZO(A)PYRENE            820 [100*/8000]
BENZO(B)FLUORANTHENE      558 [1400/10000]
DIBENZO(A,H)ANTHRACENE    149 [100*/30000]
```

```
CEF-P49-SS-131-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE       140 U   [68000/2200]
2-METHYLNAPHTHALENE       600     [83000/6100]
ACENAPHTHENE              581     [1900000/2100]
BENZO(A)ANTHRACENE        854     [1400/3200]
BENZO(A)PYRENE           1910     [100*/8000]
BENZO(B)FLUORANTHENE     1170     [1400/10000]
BENZO(K)FLUORANTHENE    13000     [15000/25000]
INDENO(1,2,3-CD)PYRENE  10000 UJ  [1500/28000]
CEF-P49-SU-607-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE     52000 U/22900 J   [68000/2200]
2-METHYLNAPHTHALENE     52000 UJ/28100 J  [83000/6100]
ACENAPHTHENE            52000 U/27700 J   [1900000/2100]
BENZO(A)ANTHRACENE      24700/40000       [1400*/3200*]
BENZO(A)PYRENE          14200 J/33500 J   [100*/8000*]
BENZO(B)FLUORANTHENE     8490 J/21600 J   [1400*/10000]
BENZO(K)FLUORANTHENE    13000/17300       [15000/25000]
INDENO(1,2,3-CD)PYRENE  10000 UJ/13400 J  [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-704-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE       490 U [68000/2200]
2-METHYLPHENOL            490 U [2400000/300]
ACENAPHTHENE              980 U [1900000/2100]
BENZO(A)ANTHRACENE        490 U [1400/3200]
BENZO(A)PYRENE             98 U [100/8000]
BENZO(B)FLUORANTHENE       98 U [1400/10000]
BENZO(K)FLUORANTHENE       98 U [15000/25000]
INDENO(1,2,3-CD)PYRENE     98 U [1500/28000]
```

```
CEF-P49-SS-007-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE      17000 [83000*/6100*]
ACENAPHTHENE             29000 [1900000*/2100*]
BENZO(A)ANTHRACENE       14000 [1400*/3200*]
BENZO(A)PYRENE           20000 [100*/8000*]
BENZO(B)FLUORANTHENE    190000 [1400*/10000*]
DIBENZO(A,H)ANTHRACENE    7400 [100*/30000]
INDENO(1,2,3-CD)PYRENE   14000 [1500*/28000]
CEF-P49-SS-502-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE      321 J/70 UJ   [83000/6100]
ACENAPHTHENE             279 J/70 UJ   [1900000/2100]
BENZO(A)ANTHRACENE       578 J/141 J   [1400/3200]
BENZO(A)PYRENE          1560 J/150 J   [100*/8000]
BENZO(B)FLUORANTHENE     938 J/240 J   [1400/10000]
DIBENZO(A,H)ANTHRACENE   345 J/87.8 J  [100*/30000]
INDENO(1,2,3-CD)PYRENE   760 J/227 J   [1500/28000]
CEF-P49-SS-508-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE       76 U [83000/6100]
ACENAPHTHENE              76 U [1900000/2100]
BENZO(A)ANTHRACENE       132   [1400/3200]
BENZO(A)PYRENE           260   [100*/8000]
BENZO(B)FLUORANTHENE     230   [1400/10000]
DIBENZO(A,H)ANTHRACENE    39.5 [100/30000]
INDENO(1,2,3-CD)PYRENE   203   [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-705-03
Semivolatiles (ug/kg)
2-METHYLPHENOL           360 U [2400000/300]
ACENAPHTHENE             720 U [1900000/2100]
BENZO(A)ANTHRACENE       360 U [1400/3200]
BENZO(A)PYRENE            72 U [100/8000]
BENZO(B)FLUORANTHENE      72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE    72 U [100/30000]
INDENO(1,2,3-CD)PYRENE    72 U [1500/28000]
```

```
CEF-P49-SS-201-01
Semivolatiles (ug/kg)
ACENAPHTHENE             5710 [1900000*/2100*]
BENZO(A)ANTHRACENE       3550 [1400*/3200*]
BENZO(A)PYRENE           4460 [100*/8000]
BENZO(B)FLUORANTHENE     6880 [1400*/10000]
DIBENZO(A,H)ANTHRACENE   1300 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-504-02
Semivolatiles (ug/kg)
ACENAPHTHENE               72 U [1900000/2100]
BENZO(A)ANTHRACENE         23.8 [1400/3200]
BENZO(A)PYRENE             15.2 [100/8000]
BENZO(B)FLUORANTHENE       34.6 [1400/10000]
DIBENZO(A,H)ANTHRACENE     11 U [100/30000]
```

```
CEF-P49-SS-008-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE          170 J/3200 J     [100*/8000]
BENZO(B)FLUORANTHENE    110 J/1600 J     [1400/10000]
BENZO(G,H,I)PERYLENE     80 J/1800 J     [2300000/32000000]
BENZO(K)FLUORANTHENE      8.2 UJ/3200 J  [15000/25000]
DIBENZO(A,H)ANTHRACENE   14 UJ/1600 J    [100/30000]
```

```
CEF-P49-SS-004-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE           720   [100*/8000]
DIBENZO(A,H)ANTHRACENE   110   [100*/30000]
```

```
CEF-P49-SS-005-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE     1100 U [68000/2200]
2-METHYLNAPHTHALENE     3500   [83000/6100]
ACENAPHTHENE            4400   [1900000*/2100*]
BENZO(A)ANTHRACENE      1700   [1400*/3200]
BENZO(A)PYRENE          3200   [100*/8000]
BENZO(B)FLUORANTHENE    2800   [1400*/10000]
DIBENZO(A,H)ANTHRACENE   270 U [100/30000]
CEF-P49-SS-503-02
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE       69 U [68000/2200]
2-METHYLNAPHTHALENE      275   [83000/6100]
ACENAPHTHENE             208   [1900000/2100]
BENZO(A)ANTHRACENE       457   [1400/3200]
BENZO(A)PYRENE           802   [100*/8000]
BENZO(B)FLUORANTHENE     848   [1400/10000]
DIBENZO(A,H)ANTHRACENE   322   [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SU-707-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE      360 U [68000/2200]
2-METHYLNAPHTHALENE      360 U [83000/6100]
ACENAPHTHENE             710 U [1900000/2100]
BENZO(A)ANTHRACENE       360 U [1400/3200]
BENZO(A)PYRENE            71 U [100/8000]
BENZO(B)FLUORANTHENE      71 U [1400/10000]
DIBENZO(A,H)ANTHRACENE    71 U [100/30000]
```

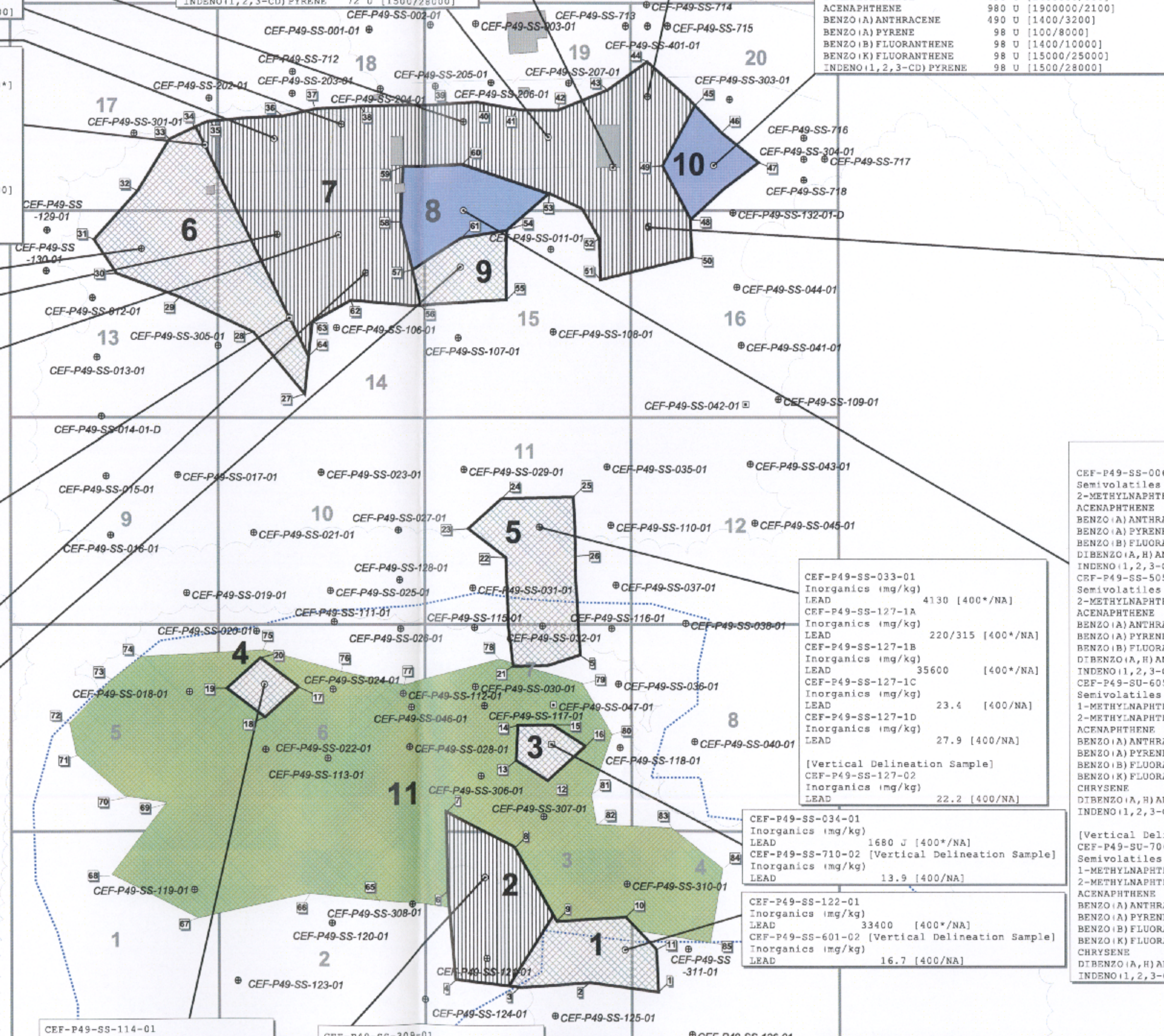
```
CEF-P49-SS-105-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE          2770 [100*/8000]
BENZO(B)FLUORANTHENE    1440 [1400*/10000]
DIBENZO(A,H)ANTHRACENE   246 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-708-02
Semivolatiles (ug/kg)
BENZO(A)PYRENE            74 U [100/8000]
BENZO(B)FLUORANTHENE      74 U [1400/10000]
DIBENZO(A,H)ANTHRACENE    74 U [100/30000]
```

```
CEF-P49-SS-009-01
BENZO(A)PYRENE            950 [100*/8000]
```

```
CEF-P49-SS-010-01
Semivolatiles (ug/kg)
ACENAPHTHENE            4300 [1900000*/2100*]
BENZO(A)ANTHRACENE      2200 [1400*/3200]
BENZO(A)PYRENE          4200 [100*/8000]
BENZO(B)FLUORANTHENE    2600 [1400*/10000]
INDENO(1,2,3-CD)PYRENE  1600 [1500*/28000]

[Vertical Delineation Sample]
CEF-P49-SS-509-02
Semivolatiles (ug/kg)
ACENAPHTHENE              70 U [1900000/2100]
BENZO(A)ANTHRACENE        10 U [1400/3200]
BENZO(A)PYRENE            19   [100/8000]
BENZO(B)FLUORANTHENE      10 U [1400/10000]
INDENO(1,2,3-CD)PYRENE   108   [1500/28000]
```



```
CEF-P49-SS-033-01
Inorganics (mg/kg)
LEAD                 4130 [400*/NA]
CEF-P49-SS-127-1A
Inorganics (mg/kg)
LEAD              220/315 [400*/NA]
CEF-P49-SS-127-1B
Inorganics (mg/kg)
LEAD             35600    [400*/NA]
CEF-P49-SS-127-1C
Inorganics (mg/kg)
LEAD                23.4  [400/NA]
CEF-P49-SS-127-1D
Inorganics (mg/kg)
LEAD                27.9 [400/NA]

[Vertical Delineation Sample]
CEF-P49-SS-127-02
Inorganics (mg/kg)
LEAD                22.2 [400/NA]
```

```
CEF-P49-SS-034-01
Inorganics (mg/kg)
LEAD              1680 J [400*/NA]
CEF-P49-SS-710-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD                13.9 [400/NA]
```

```
CEF-P49-SS-122-01
Inorganics (mg/kg)
LEAD             33400    [400*/NA]
CEF-P49-SS-601-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD                16.7 [400/NA]
```

```
CEF-P49-SS-006-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE       7400 [83000*/6100*]
ACENAPHTHENE             10000 [1900000*/2100*]
BENZO(A)ANTHRACENE        4800 [1400*/3200*]
BENZO(A)PYRENE            7400 [100*/8000]
BENZO(B)FLUORANTHENE      6100 [1400*/10000]
DIBENZO(A,H)ANTHRACENE     450 [100*/30000]
INDENO(1,2,3-CD)PYRENE    4500 [1500*/28000]
CEF-P49-SS-505-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE        322 [83000/6100]
ACENAPHTHENE               262 [1900000/2100]
BENZO(A)ANTHRACENE         748 [1400/3200]
BENZO(A)PYRENE            1480 [100*/8000]
BENZO(B)FLUORANTHENE      1770 [1400*/10000]
DIBENZO(A,H)ANTHRACENE    1690 [100*/30000]
INDENO(1,2,3-CD)PYRENE    1640 [1500*/28000]
CEF-P49-SU-605-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE      66500 J [68000*/2200*]
2-METHYLNAPHTHALENE      79200   [83000*/6100*]
ACENAPHTHENE             78500   [1900000*/2100*]
BENZO(A)ANTHRACENE       93900   [1400*/3200*]
BENZO(A)PYRENE           71400   [100*/8000*]
BENZO(B)FLUORANTHENE     53100   [1400*/10000*]
BENZO(K)FLUORANTHENE     45400   [15000*/25000*]
CHRYSENE                103000   [140000*/77000*]
DIBENZO(A,H)ANTHRACENE   14000 U [100/30000]
INDENO(1,2,3-CD)PYRENE   30000   [1500*/28000*]

[Vertical Delineation Sample]
CEF-P49-SU-706-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE      400 U   [68000*/2200*]
2-METHYLNAPHTHALENE      400 U   [2400000/300]
ACENAPHTHENE             800 U   [1900000/2100]
BENZO(A)ANTHRACENE       400 U   [1400/3200]
BENZO(A)PYRENE            53.3 J [100/8000]
BENZO(B)FLUORANTHENE      80 U   [1400/10000]
BENZO(K)FLUORANTHENE      80 U   [15000*/25000*]
CHRYSENE                 400 U   [140000*/77000*]
DIBENZO(A,H)ANTHRACENE    80 U   [100/30000]
INDENO(1,2,3-CD)PYRENE    47.1 J [1500/28000]
```

```
CEF-P49-SS-114-01
Inorganics (mg/kg)
LEAD                42500 [400*/NA]

[Vertical Delineation Sample]
CEF-P49-SS-609-02
Inorganics (mg/kg)
LEAD                  232 [400*/NA]
```

```
CEF-P49-SS-309-01
Inorganics (mg/kg)
LEAD                51000 [400*/NA]
CEF-P49-SS-603-02
Inorganics (mg/kg)
LEAD                66300 [400*/NA]
CEF-P49-SU-711-03
Inorganics (mg/kg)
LEAD                   11 [400/NA]
```

Corner	Easting	Northing
1	371496.61	2144801.18
2	371467.70	2144807.83
3	371396.50	2144804.63
4	371351.78	2144810.14
5	371441.22	2145041.18
6	371346.44	2144873.35
7	371345.53	2144929.43
8	371394.56	2144904.43
9	371424.37	2144851.61
10	371473.45	2144854.51
11	371495.18	2144831.46
12	371417.72	2144951.88
13	371395.32	2144966.37
14	371398.85	2144991.30
15	371421.20	2144991.58
16	371444.33	2144976.37
17	371233.66	2145018.66
18	371215.69	2144997.05
19	371188.55	2145017.73
20	371212.52	2145039.34
21	371393.91	2145033.73
22	371388.43	2145110.93
23	371361.29	2145131.61
24	371385.27	2145153.22
25	371436.39	2145154.15
26	371439.33	2145111.94
27	371244.38	2145227.70
28	371208.05	2145272.02
29	371155.38	2145286.80
30	371110.49	2145313.76
31	371094.45	2145337.92
32	371125.22	2145372.55
33	371148.01	2145409.46
34	371166.28	2145416.65
35	371176.61	2145423.11
36	371229.24	2145425.89
37	371251.55	2145432.81
38	371284.30	2145432.72
39	371348.03	2145434.64
40	371372.35	2145433.45
41	371395.61	2145428.93
42	371425.96	2145429.54
43	371461.44	2145444.39
44	371469.60	2145464.67
45	371523.65	2145433.50
46	371542.36	2145413.98
47	371568.93	2145392.68
48	371520.65	2145352.02
49	371500.42	2145390.50
50	371521.42	2145325.07
51	371456.10	2145309.16
52	371455.23	2145338.67
53	371419.52	2145370.80
54	371389.21	2145344.66
55	371388.83	2145294.81
56	371327.08	2145291.23
57	371320.91	2145316.44
58	371312.59	2145350.47
59	371314.22	2145390.13
60	371357.46	2145391.43
61	371356.81	2145339.09
62	371277.09	2145294.51
63	371249.94	2145279.12
64	371247.29	2145254.58
65	371296.75	2144866.05
66	371247.07	2144871.25
67	371168.53	2144854.07
68	371104.93	2144883.89
69	371145.84	2144935.38
70	371118.54	2144939.69
71	371082.30	2144969.82
72	371076.41	2144992.32
73	371106.99	2145023.52
74	371127.71	2145039.60
75	371214.49	2145045.18
76	371269.80	2145029.73
77	371314.48	2145020.45
78	371384.07	2145037.79
79	371442.41	2145020.57
80	371463.48	2144984.58
81	371448.77	2144941.61
82	371452.68	2144920.15
83	371506.90	2144917.17
84	371544.09	2144890.24
85	371533.90	2144836.61

Notes:
1. Warning: Obtain utility clearance before excavation.
2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
3. Removal will be conducted to depths as noted on label.
4. Contaminants of concern are Lead and PAHs.
5. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
6. Return site to pre-excavation conditions.
7. Provide proper support of excavation walls to protect adjacent building and paved areas.
8. Remediation based on FDEP Leachability and 3 times Residential criteria exceedances.
9. Provide erosion and sedimentation control.
10. Excavation area No. 11 is based on visible Lead pellets on the ground surface.
11. Duplicate sample results noted as sample/duplicate.
12. Exposure Unit size is 0.5 acres.

Legend
- Monitoring Well
- Surface Soil Sample
- Surface and Subsurface Soil Sample
- Subsurface Soil Sample
- Buildings
- Designated Wetlands
- Excavated to 1' Below Ground Surface (bgs) [Human Health]
- Excavated to 1' Below Ground Surface [Ecologic Concerns]
- Excavated to 2' Below Ground Surface [Human Health]
- Excavated to 3' Below Ground Surface [Human Health]

```
CEF-P21-SS-001                 Sample ID
Fraction (ug/kg)
PARAMETER    500   [100/200]   FDEP Residential SCTL / FDEP Leachability SCTL
                               Detected Concentration
                               Parameter
```

J - Estimated concentration
U - Not detected at or above method detection limit (associated value)
* - Concentration exceeds target cleanup goal

EXCAVATION	AREA ft2	DEPTH ft bgs	VOLUME yd3
1	4120	1	152
2	6261	2	464
3	1273	1	47
4	1082	1	40
5	6433	1	238
6	11026	1	408
7	32937	2	2440
8	4682	3	520
9	2729	1	101
10	2678	3	298
11	59457	0.5	1101
		Total Yards	5809

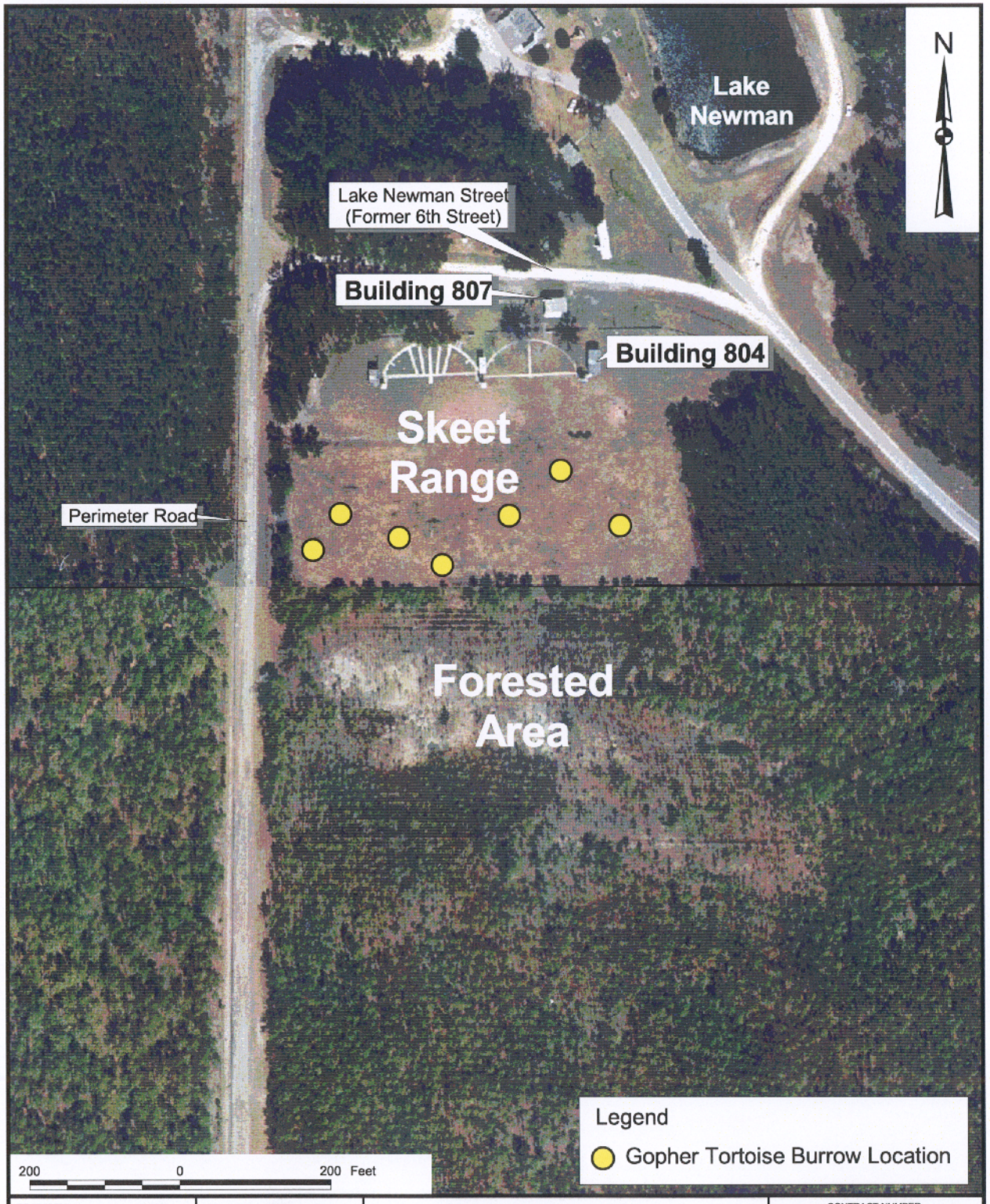
50 0 50 Feet
P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr
10May02 MJJ E-1 Layout

DRAWN BY	DATE
MJJ	27Jun01
CHECKED BY	DATE
RFL	5/9/02
MPS	5/10/01
SCALE	AS NOTED

REMOVAL ACTION DESIGN PLAN
SOIL EXCAVATION
SITE 49, FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0038
OWNER NO.
APPROVED BY / DATE 5/10/02
DRAWING NO. FIGURE E-1 REV. 0

030209/P



DRAWN BY MJJ	DATE 26Jun01	GOPHER TORTOISE BURROWS SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY [illegible] DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MPS DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE E-2 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 01May02 MJJ E-2 Layout

TABLE 1

ATTAINMENT OF RESIDENTIAL SCTLs FOR BaPEq
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
PAGE 1 OF 2

nsample	BAPEQ [13]	BAPEQ (RES)	BAPEQ [14]	BAPEQ (RES)	BAPEQ [15]	BAPEQ (RES)	BAPEQ [16]	BAPEQ (RES)
MIN	5.5000	5.5000	5.0000	5.0000	10.5000	10.5000	11.5000	11.5000
MAX	2,644.00	15.00	3,908.00	37.00	4,865.00	100.00	49,314.00	72.00
MEAN	669.00	9.38	1,354.13	12.88	1,253.13	39.50	8,503.42	25.67
t 0.95, n-1	0.300134616	0.311768426	0.294934161	0.240185587	0.298546531	0.273233032	0.284322558	0.264052283
STANDARD DEVIATION	1,316.67	4.70	1,523.23	14.58	2,408.21	42.22	19,998.26	24.72
COEFFICIENT OF VARIATION	1.97	0.50	1.12	1.13	1.92	1.07	2.35	0.96
n	4	4	8	8	4	4	6	6
$UCL_{0.95}$	866.59	10.11	1,512.96	14.11	1,612.61	45.27	10,824.70	28.33
Goal remediation level	100.00 5.5	100.00 5.5	100.00 5	100.00 5	100.00 10.5	100.00 10.5	100.00 11.5	100.00 11.5
	2644	5.5	3908	5	4865	10.5	49314	11.5
	15	15	3411	5	100	100	1220	11.5
	11.5	11.5	1333	5	37	37	367	11.5
	5.5	5.5	1131	5	10.5	10.5	72	72
			972	5			36	36
			37	37			11.5	11.5
			36	36				
			5	5				

TABLE 1

ATTAINMENT OF RESIDENTIAL SCTLs FOR BaPEq
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
PAGE 2 OF 2

nsample	BAPEQ [17]	BAPEQ (RES)	BAPEQ [18]	BAPEQ (RES)	BAPEQ [19]	BAPEQ (RES)	BAPEQ [20]	BAPEQ (RES)
MIN	27.0000	5.0000	34.0000	34.0000	35.0000	35.0000	29.0000	29.0000
MAX	6,871.00	61.00	85,880.00	189.00	103,657.00	183.00	33,575.00	163.00
MEAN	1,749.75	33.25	11,447.75	65.63	10,158.40	54.67	3,124.83	58.83
t 0.95, n-1	0.29969307	0.306908288	0.249974912	0.271078248	0.2197537	0.244735616	0.226568602	0.27471824
STANDARD DEVIATION	3,414.20	23.47	30,098.96	59.40	26,322.88	42.96	9,611.99	43.95
COEFFICIENT OF VARIATION	1.95	0.71	2.63	0.91	2.59	0.79	3.08	0.75
n	4	4	8	8	15	15	12	12
$UCL_{0.95}$	2,261.36	36.85	14,107.88	71.32	11,651.96	57.38	3,753.50	62.32
Goal remediation level	100.00 5	100.00 5	100.00 34	100.00 34	100.00 35	100.00 35	100.00 35	100.00 35
	6871	5	85880	34	103657	35	33575	35
	61	61	3536	34	14342	35	2214	35
	40	40	1402	34	13005	35	1108	35
	27	27	375	34	9435	35	163	163
			189	189	4291	35	120	120
			127	127	3598	35	100	100
			39	39	2808	35	49	49
			34	34	700	35	36	36
					183	183	35	35
					122	122	35	35
					79	79	34	34
					50	50	29	29
					36	36		
					35	35		
					35	35		

TABLE 2

ATTAINMENT OF RESIDENTIAL SCTLs FOR LEAD
OPERABLE UNIT 5, SITE 49 - FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

UNIT 3	LEAD	UNIT 6	LEAD	UNIT 7	LEAD	UNIT 11	LEAD	UNIT 16	LEAD
66300	2.5	42500	2.5	1680	2.5	35600	2.5	32.9	2.5
51000	2.5	577	577	1440	2.5	4130	2.5	131	131
33400	2.5	502	502	801	801	383	383	445	445
2300	2.5	232	232	410	410	363	363	345	345
477	477	82.9	82.9	334	334	268	268	149	149
22.7	22.7	65.7	65.7	208	208	181	181	2.3	2.3
16.7	16.7	50.9	50.9	98.9	98.9	56	56	3.3	3.3
5.5	5.5	29.2	29.2	86	86	44.3	44.3	3.4	3.4
19190.24	66.4875	22.8	22.8	55.9	55.9	27.9	27.9	138.9875	135.1875
		17.1	17.1	49.8	49.8	23.4	23.4		
		4407.96	158.21	40.1	40.1	22.2	22.2		
				13.9	13.9				
						3736.255	124.8909		
				434.8	175.2167				

ATTACHMENT 1

WETLAND IMPACT MEMORANDUM

TETRA TECH NUS, INC.

20251 Century Blvd., Suite 200, Germantown, MD 20874-7114
(301) 528-5552

April 3, 2002

Mr. Steve Sabia
Florida Department of Environmental Protection
7825 Baymeadows Way
Suite 200B
Jacksonville, Florida 32256

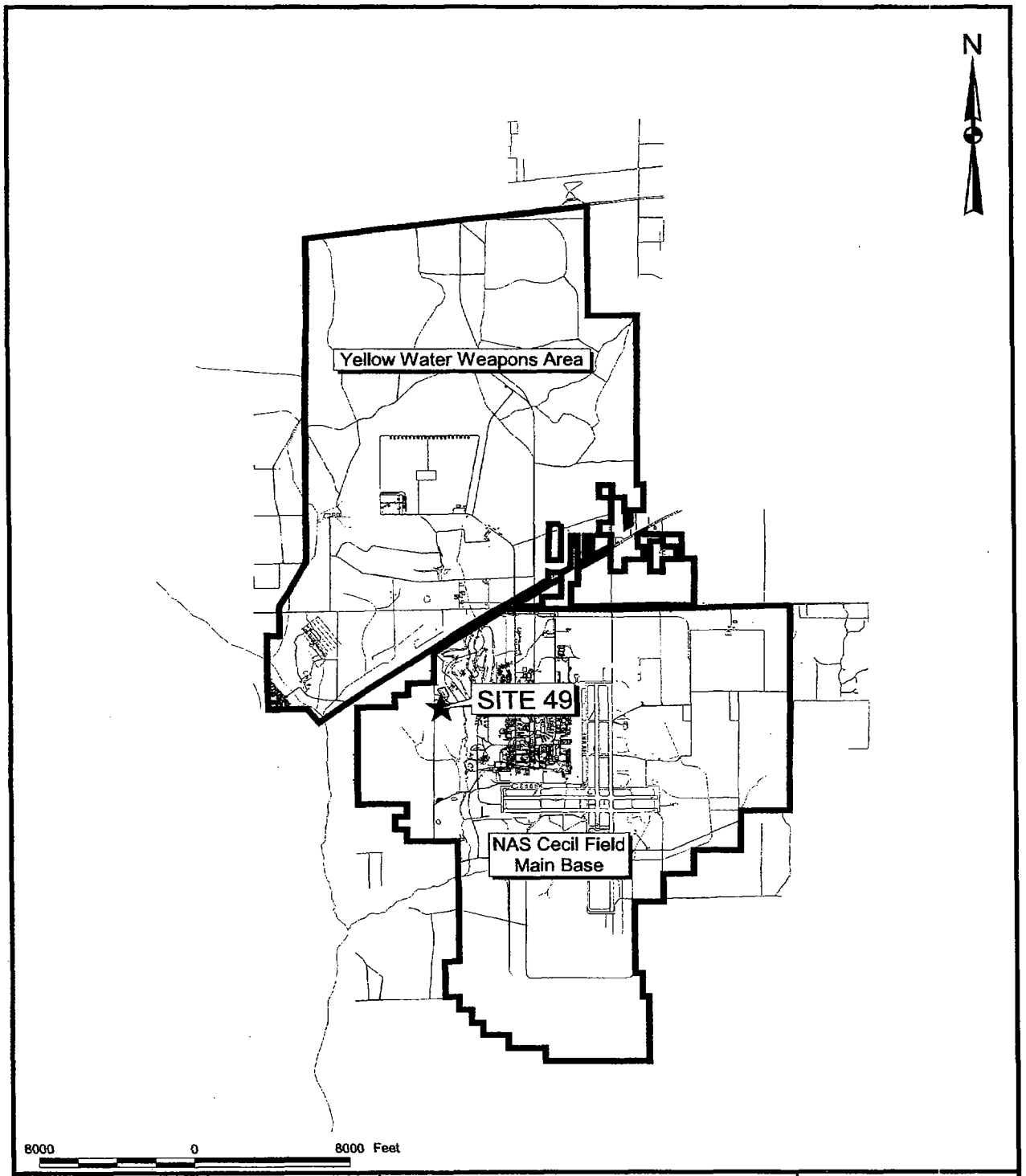
Subject: Wetland Impacts from Proposed Removal Action at Site 49 (Former Skeet Range), NAS Cecil Field

Dear Mr. Sabia:

Tetra Tech NUS (TtNUS) is under contract to Southern Division, Naval Facilities Engineering Command to design a removal action addressing contaminated surface soils at Operable Unit (OU) 5, Site 49 (Former Skeet Range) at the Naval Air Station (NAS) Cecil Field (Figure 1). NAS Cecil Field is on the National Priorities List (NPL) of sites identified by the U.S. Environmental Protection Agency (EPA) as requiring priority cleanup under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The following letter describes wetland impacts that will be unavoidable if the Navy implements a removal action to clean up contaminated soils at Site 49 in accordance with the National Contingency Plan (NCP; 40 CFR 3000.415). The Navy will submit a complete design package for the removal action as soon as the design is complete.

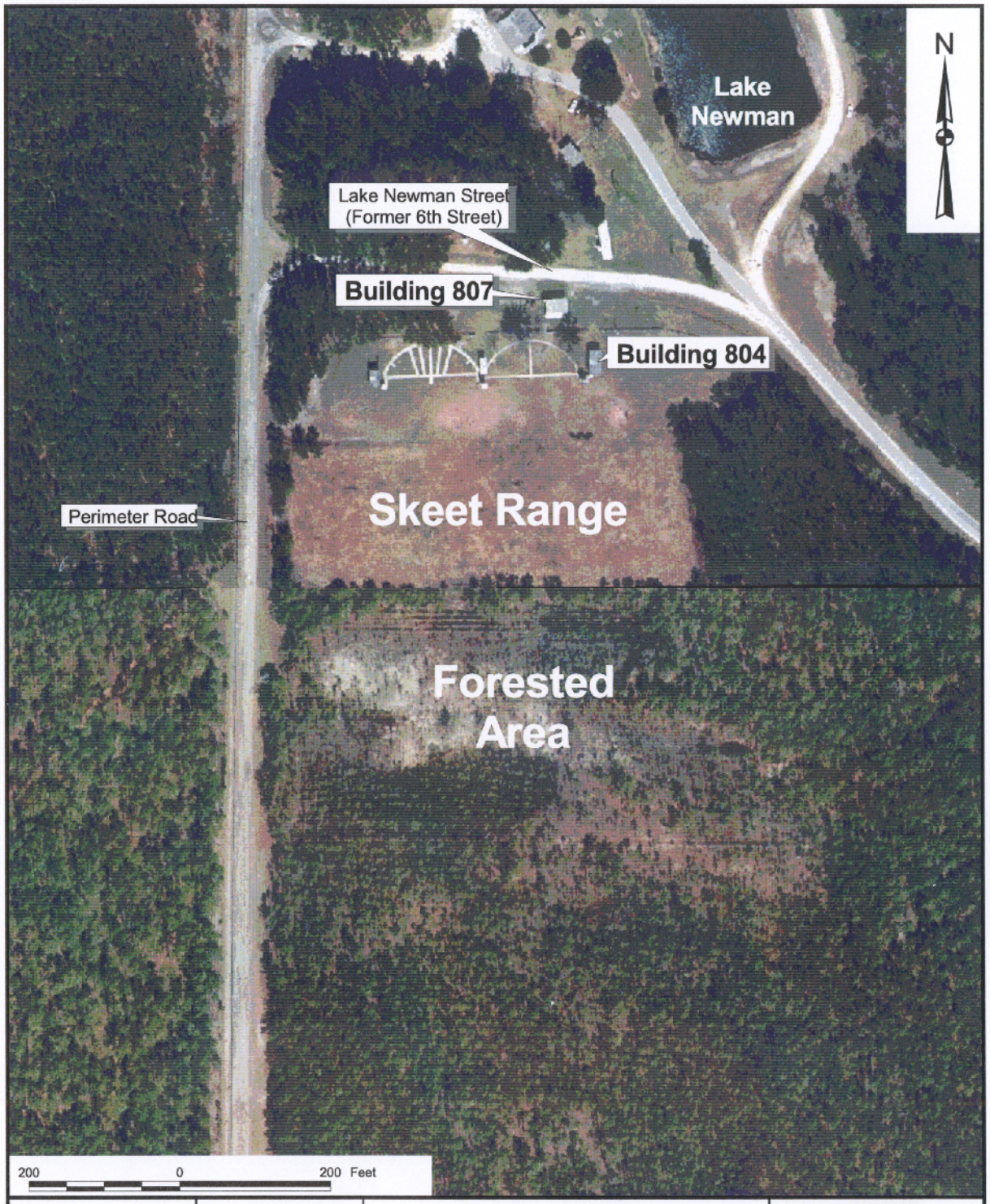
The Navy requests that the Florida Department of Environmental Protection (FDEP) review the wetland impacts described below and indicate whether further action or authorizations are required. The Navy believes that because the removal action will be performed in the context of CERCLA, and because the FDEP will review the wetland impacts as part of its overall review of the removal action, that formal application for wetland permits is not necessary.

Site Description: Site 49 consists of an unpaved land area that was used as a skeet shooting range (Facility 804) from 1965 to 1998 (Photograph 1). Historic aerial photographs indicate that the land area was undeveloped prior to its use as a skeet range. An environmental baseline survey completed by the Navy in 1994 (ABB-ES, 1994) recommended that soils in the vicinity of the skeet range be investigated for possible lead contamination originating from lead shot. TtNUS, under contract to the Navy, performed soil sampling that detected and delineated



DRAWN BY MJJ	DATE 26Jun01	GENERAL LOCATION MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY JHB DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY MPJ DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 1 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-1 Layout



DRAWN BY MJJ	DATE 26Jun01	SITE LAYOUT MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY MPS 5/9/02 DATE
COST/SCHEDULE-AREA			APPROVED BY MPS 5/10/02 DATE
SCALE AS NOTED			DRAWING NO. PHOTOGRAPH 1 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-2 Layout

contamination by polynuclear aromatic hydrocarbons and inorganic constituents (including lead). The results of TtNUS's investigations are reported in an Engineering Evaluation/Cost Analysis (EE/CA) (TtNUS, 2002a). A tag map from the EE/CA that summarizes soil sample locations and detected contaminants is provided as Figure 2. The Navy concludes that unless the removal action is promptly implemented, contaminated soils at Site 49 could present an imminent and substantial endangerment to public health or the environment (TtNUS, 2002b).

Description of Proposed Removal Action: The removal action calls for excavation and proper off-site disposal of approximately 5,194 cubic yards of contaminated soil from 11 areas of soil contamination totaling approximately 99,481 square feet (2.3 acres). Each area of soil contamination (designated as Areas 1 through 11) is shown in Figure 2. The size (surface area), proposed excavation depth, and a brief description for each of the 11 areas are presented in Table 1.

Wetland Delineation: Wetlands on Site 49 were delineated by Environmental Resource Solutions (ERS), contractor to the City of Jacksonville, as part of a larger wetland delineation addressing all lands potentially affected by a proposed project to expand an existing lake (Lake Fretwell) to increase stormwater management capabilities in areas of NAS Cecil Field undergoing redevelopment. The wetland delineation identified areas meeting the definitions for wetlands established by the U.S. Army Corps of Engineers (COE) (33 CFR 328), the EPA (40 CFR 230), and the State of Florida (Chapter 62-340 F.A.C).

Figure 3 depicts the delineated wetland boundary and its spatial relation to each area of soil contamination. Wetlands occur only in the southern part of Site 49. According to ERS, the boundaries meeting the Federal and State of Florida wetland definitions are coincident. The wetlands support sparse herbaceous and shrub cover with stunted and widely spaced planted slash pine (Photograph 2). The U.S. Department of Agriculture, Soil Conservation Service mapped soils in the vicinity of the Site 49 wetlands as "pits" in a soil survey completed in 1978 for areas within the City of Jacksonville (USDA, 1978). The soil survey defines this term as a "borrow pits" from which soil has been removed. The soils appear to have been graded in the past, either as part of constructing or operating the skeet range or to provide borrow. The soils are sandy with little or no topsoil.

According to ERS, the delineated wetland boundary has been flagged and surveyed but not yet officially verified by the COE or the St. John's Water Management District. The City of Jacksonville plans to apply for an official verification of the wetland delineation and to submit a Joint Permit Application requesting permits required to disturb wetlands, including wetlands on Site 49, to expand Lake Fretwell.

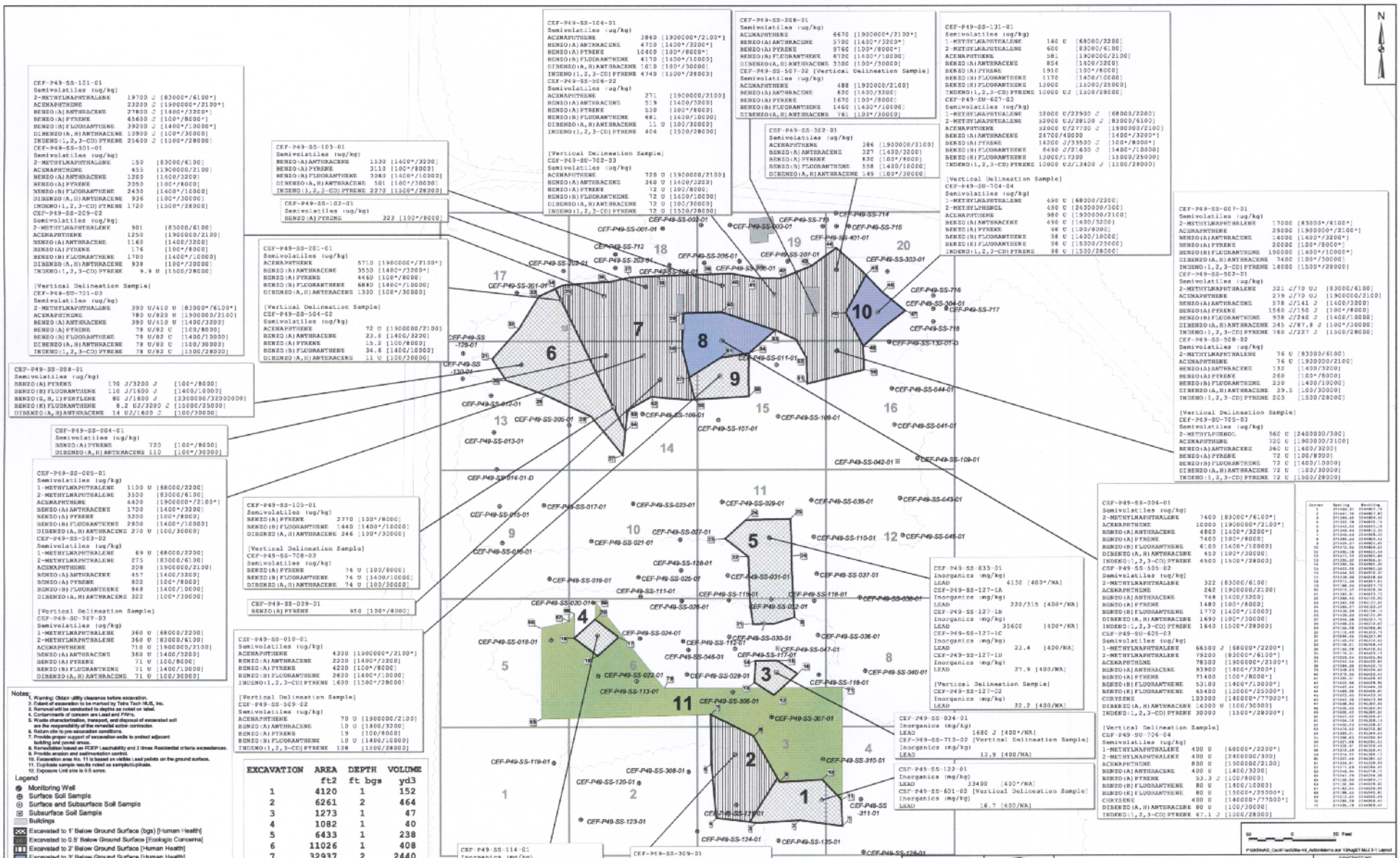

N
S
CEF-P49-SS-101-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 19700 J [83000*/6100*]
ACENAPHTHENE 23200 J [1900000*/2100*]
BENZO(A)ANTHRACENE 27800 J [1400*/3200*]
BENZO(A)PYRENE 45600 J [100*/8000*]
BENZO(B)FLUORANTHENE 39200 J [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 10900 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 25600 J [1500*/28000]
CEF-P49-SS-501-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 150 [83000/6100]
ACENAPHTHENE 455 [1900000/2100]
BENZO(A)ANTHRACENE 1200 [1400/3200]
BENZO(A)PYRENE 2050 [100*/8000]
BENZO(B)FLUORANTHENE 2430 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 936 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1720 [1500*/28000]
CEF-P49-SS-209-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 901 [83000/6100]
ACENAPHTHENE 1250 [1900000/2100]
BENZO(A)ANTHRACENE 1160 [1400/3200]
BENZO(A)PYRENE 176 [100*/8000]
BENZO(B)FLUORANTHENE 1700 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 938 [100*/30000]
INDENO(1,2,3-CD)PYRENE 9.9 U [1500/28000]
[Vertical Delineation Sample]
CEF-P49-SD-701-03
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 390 U/410 U [83000*/6100*]
ACENAPHTHENE 780 U/820 U [1900000/2100]
BENZO(A)ANTHRACENE 390 U/410 U [1400/3200]
BENZO(A)PYRENE 78 U/82 U [100/8000]
BENZO(B)FLUORANTHENE 78 U/82 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 78 U/82 U [100/30000]
INDENO(1,2,3-CD)PYRENE 78 U/82 U [1500/28000]
CEF-P49-SS-008-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 170 J/3200 J [100*/8000]
BENZO(B)FLUORANTHENE 110 J/1600 J [1400/10000]
BENZO(G,H,I)PERYLENE 80 J/1800 J [2300000/32000000]
BENZO(K)FLUORANTHENE 8.2 UJ/3200 J [1500/25000]
DIBENZO(A,H)ANTHRACENE 14 UJ/1600 J [100/30000]
CEF-P49-SS-004-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 720 [100*/8000]
DIBENZO(A,H)ANTHRACENE 110 [100*/30000]
CEF-P49-SS-005-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 1100 U [68000/2200]
2-METHYLNAPHTHALENE 3500 [83000/6100]
ACENAPHTHENE 4400 [1900000*/2100*]
BENZO(A)ANTHRACENE 1700 [1400*/3200]
BENZO(A)PYRENE 3200 [100*/8000]
BENZO(B)FLUORANTHENE 2800 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 270 U [100/30000]
CEF-P49-SS-503-02
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 69 U [68000/2200]
2-METHYLNAPHTHALENE 275 [83000/6100]
ACENAPHTHENE 208 [1900000/2100]
BENZO(A)ANTHRACENE 457 [1400/3200]
BENZO(A)PYRENE 802 [100*/8000]
BENZO(B)FLUORANTHENE 848 [1400/10000]
DIBENZO(A,H)ANTHRACENE 322 [100*/30000]
[Vertical Delineation Sample]
CEF-P49-SD-707-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 360 U [68000/2200]
2-METHYLNAPHTHALENE 360 U [83000/6100]
ACENAPHTHENE 710 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 71 U [100/8000]
BENZO(B)FLUORANTHENE 71 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 71 U [100/30000]
CEF-P49-SS-164-01
Semivolatiles (ug/kg)
ACENAPHTHENE 3860 [1900000*/2100*]
BENZO(A)ANTHRACENE 4750 [1400*/3200*]
BENZO(A)PYRENE 10400 [100*/8000*]
BENZO(B)FLUORANTHENE 6170 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1010 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4740 [1500*/28000]
CEF-P49-SS-306-02
Semivolatiles (ug/kg)
ACENAPHTHENE 271 [1900000/2100]
BENZO(A)ANTHRACENE 519 [1400/3200]
BENZO(A)PYRENE 530 [100*/8000]
BENZO(B)FLUORANTHENE 681 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]
INDENO(1,2,3-CD)PYRENE 404 [1500/28000]
[Vertical Delineation Sample]
CEF-P49-SD-702-03
Semivolatiles (ug/kg)
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]
CEF-P49-SS-208-01
Semivolatiles (ug/kg)
ACENAPHTHENE 6670 [1900000*/2100*]
BENZO(A)ANTHRACENE 5700 [1400*/3200*]
BENZO(A)PYRENE 9760 [100*/8000*]
BENZO(B)FLUORANTHENE 6720 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 3300 [100*/30000]
CEF-P49-SS-507-02 [Vertical Delineation Sample]
Semivolatiles (ug/kg)
ACENAPHTHENE 488 [1900000/2100]
BENZO(A)ANTHRACENE 820 [1400/3200]
BENZO(A)PYRENE 1670 [100*/8000]
BENZO(B)FLUORANTHENE 1460 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 761 [100*/30000]
CEF-P49-SS-131-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 140 U [68000/2200]
2-METHYLNAPHTHALENE 600 [83000/6100]
ACENAPHTHENE 581 [1900000/2100]
BENZO(A)ANTHRACENE 854 [1400/3200]
BENZO(A)PYRENE 1910 [100*/8000]
BENZO(B)FLUORANTHENE 1170 [1400/10000]
BENZO(K)FLUORANTHENE 1300 [1500/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ [1500/28000]
CEF-P49-SD-607-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 52000 U/22900 J [68000/2200]
2-METHYLNAPHTHALENE 52000 UJ/28100 J [83000/6100]
ACENAPHTHENE 52000 U/27700 J [1900000/2100]
BENZO(A)ANTHRACENE 24700/40000 [1400*/3200*]
BENZO(A)PYRENE 14200 J/33500 J [100*/8000*]
BENZO(B)FLUORANTHENE 8490 J/21600 J [1400*/10000]
BENZO(K)FLUORANTHENE 12000/17300 [1500/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ/13400 J [1500/28000]
[Vertical Delineation Sample]
CEF-P49-SD-704-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 490 U [68000/2200]
2-METHYLPHENOL 490 U [260000/300]
ACENAPHTHENE 980 U [1900000/2100]
BENZO(A)ANTHRACENE 490 U [1400/3200]
BENZO(A)PYRENE 98 U [100/8000]
BENZO(B)FLUORANTHENE 98 U [1400/10000]
BENZO(K)FLUORANTHENE 98 U [1500/25000]
INDENO(1,2,3-CD)PYRENE 98 U [1500/28000]
CEF-P49-SS-103-01
Semivolatiles (ug/kg)
BENZO(A)ANTHRACENE 1530 [1400*/3200]
BENZO(A)PYRENE 3110 [100*/8000]
BENZO(B)FLUORANTHENE 3060 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 581 [100*/30000]
INDENO(1,2,3-CD)PYRENE 2270 [1500*/28000]
CEF-P49-SS-102-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 323 [100*/8000]
CEF-P49-SS-201-01
Semivolatiles (ug/kg)
ACENAPHTHENE 5710 [1900000*/2100*]
BENZO(A)ANTHRACENE 3550 [1400*/3200*]
BENZO(A)PYRENE 4460 [100*/8000]
BENZO(B)FLUORANTHENE 6880 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1300 [100*/30000]
[Vertical Delineation Sample]
CEF-P49-SS-504-02
Semivolatiles (ug/kg)
ACENAPHTHENE 72 U [1900000/2100]
BENZO(A)ANTHRACENE 23.8 [1400/3200]
BENZO(A)PYRENE 15.2 [100/8000]
BENZO(B)FLUORANTHENE 34.6 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]
CEF-P49-SS-302-01
Semivolatiles (ug/kg)
ACENAPHTHENE 386 [1900000/2100]
BENZO(A)ANTHRACENE 327 [1400/3200]
BENZO(A)PYRENE 820 [100*/8000]
BENZO(B)FLUORANTHENE 558 [1400/10000]
DIBENZO(A,H)ANTHRACENE 149 [100*/30000]
CEF-P49-SS-007-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 17000 [83000*/6100*]
ACENAPHTHENE 29000 [1900000*/2100*]
BENZO(A)ANTHRACENE 14000 [1400*/3200*]
BENZO(A)PYRENE 20000 [100*/8000*]
BENZO(B)FLUORANTHENE 190000 [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 7400 [100*/30000]
INDENO(1,2,3-CD)PYRENE 14000 [1500*/28000]
CEF-P49-SS-502-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 321 J/70 UJ [83000/6100]
ACENAPHTHENE 239 J/70 UJ [1900000/2100]
BENZO(A)ANTHRACENE 578 J/141 J [1400/3200]
BENZO(A)PYRENE 1560 J/150 J [100*/8000]
BENZO(B)FLUORANTHENE 938 J/240 J [1400/10000]
DIBENZO(A,H)ANTHRACENE 345 J/87.8 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 760 J/227 J [1500/28000]
CEF-P49-SS-508-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 76 U [83000/6100]
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 132 [1400/3200]
BENZO(A)PYRENE 260 [100*/8000]
BENZO(B)FLUORANTHENE 230 [1400/10000]
DIBENZO(A,H)ANTHRACENE 39.5 [100/30000]
INDENO(1,2,3-CD)PYRENE 203 [1500/28000]
[Vertical Delineation Sample]
CEF-P49-SD-705-03
Semivolatiles (ug/kg)
2-METHYLPHENOL 560 U [2400000/300]
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]
CEF-P49-SS-006-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 7400 [83000*/6100*]
ACENAPHTHENE 10000 [1900000*/2100*]
BENZO(A)ANTHRACENE 4800 [1400*/3200*]
BENZO(A)PYRENE 7400 [100*/8000]
BENZO(B)FLUORANTHENE 6100 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 400 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4500 [1500*/28000]
CEF-P49-SS-505-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 322 [83000/6100]
ACENAPHTHENE 262 [1900000/2100]
BENZO(A)ANTHRACENE 748 [1400/3200]
BENZO(A)PYRENE 1480 [100*/8000]
BENZO(B)FLUORANTHENE 1770 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1690 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1640 [1500*/28000]
CEF-P49-SD-605-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 66500 J [68000*/2200*]
2-METHYLNAPHTHALENE 79200 [83000*/6100*]
ACENAPHTHENE 78500 [1900000*/2100*]
BENZO(A)ANTHRACENE 93900 [1400*/3200*]
BENZO(A)PYRENE 71400 [100*/8000*]
BENZO(B)FLUORANTHENE 53100 [1400*/10000*]
BENZO(K)FLUORANTHENE 45400 [15000*/25000*]
CHRYSENE 103000 [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 16000 U [100/30000]
INDENO(1,2,3-CD)PYRENE 30200 [1500*/28000*]
[Vertical Delineation Sample]
CEF-P49-SD-706-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 400 U [68000*/2200*]
2-METHYLNAPHTHALENE 400 U [260000/320]
ACENAPHTHENE 800 U [1900000/2100]
BENZO(A)ANTHRACENE 400 U [1400/3200]
BENZO(A)PYRENE 53.3 J [100/8000]
BENZO(B)FLUORANTHENE 80 U [1400/10000]
BENZO(K)FLUORANTHENE 80 U [15000*/25000*]
CHRYSENE 400 U [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 80 U [100/30000]
INDENO(1,2,3-CD)PYRENE 47.1 J [1500/28000]
CEF-P49-SS-105-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 2770 [100*/8000]
BENZO(B)FLUORANTHENE 1440 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 246 [100*/30000]
[Vertical Delineation Sample]
CEF-P49-SS-708-03
Semivolatiles (ug/kg)
BENZO(A)PYRENE 74 U [100/8000]
BENZO(B)FLUORANTHENE 74 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 74 U [100/30000]
CEF-P49-SS-039-01
BENZO(A)PYRENE 950 [100*/8000]
CEF-P49-SS-010-01
Semivolatiles (ug/kg)
ACENAPHTHENE 4300 [1900000*/2100*]
BENZO(A)ANTHRACENE 2200 [1400*/3200]
BENZO(A)PYRENE 4200 [100*/8000]
BENZO(B)FLUORANTHENE 2600 [1400*/10000]
INDENO(1,2,3-CD)PYRENE 1600 [1500*/28000]
[Vertical Delineation Sample]
CEF-P49-SS-509-02
Semivolatiles (ug/kg)
ACENAPHTHENE 70 U [1900000/2100]
BENZO(A)ANTHRACENE 10 U [1400/3200]
BENZO(A)PYRENE 19 [100/8000]
BENZO(B)FLUORANTHENE 10 U [1400/10000]
INDENO(1,2,3-CD)PYRENE 108 [1500/28000]
CEF-P49-SS-033-01
Inorganics (mg/kg)
LEAD 4130 [400*/NA]
CEF-P49-SS-127-1A
Inorganics (mg/kg)
LEAD 220/315 [400*/NA]
CEF-P49-SS-127-1B
Inorganics (mg/kg)
LEAD 35600 [400*/NA]
CEF-P49-SS-127-1C
Inorganics (mg/kg)
LEAD 23.4 [400/NA]
CEF-P49-SS-127-1D
Inorganics (mg/kg)
LEAD 27.9 [400/NA]
[Vertical Delineation Sample]
CEF-P49-SS-127-02
Inorganics (mg/kg)
LEAD 22.2 [400/NA]
CEF-P49-SS-034-01
Inorganics (mg/kg)
LEAD 1680 J [400*/NA]
CEF-P49-SS-710-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 13.9 [400/NA]
CEF-P49-SS-122-01
Inorganics (mg/kg)
LEAD 23400 [400*/NA]
CEF-P49-SS-501-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 16.7 [400/NA]
CEF-P49-SS-114-01
Inorganics (mg/kg)
LEAD 42500 [400*/NA]
[Vertical Delineation Sample]
CEF-P49-SS-603-02
Inorganics (mg/kg)
LEAD 232 [400*/NA]
CEF-P49-SS-309-01
Inorganics (mg/kg)
LEAD 51000 [400*/NA]
CEF-P49-SS-603-02
Inorganics (mg/kg)
LEAD 66300 [400*/NA]
CEF-P49-SD-711-03
Inorganics (mg/kg)
LEAD 11 [400/NA]
Notes:
1. Warning: Obtain utility clearance before excavation.
2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
3. Removal will be conducted to depths as noted on label.
4. Contaminants of concern are Lead and PAHs.
5. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
6. Return site to pre-excavation conditions.
7. Provide proper support of excavation walls to protect adjacent building and paved areas.
8. Remediation based on FDEP Leachability and 3 times Residential criteria exceedances.
9. Provide erosion and sedimentation control.
10. Excavation area No. 11 is based on visible Lead pellets on the ground surface.
11. Duplicate sample results noted as sample/duplicate.
12. Exposure Unit site is 0.5 acres.
Legend
Monitoring Well
Surface Soil Sample
Surface and Subsurface Soil Sample
Subsurface Soil Sample
Buildings
Excavated to 1' Below Ground Surface (bgs) [Human Health]
Excavated to 0.5' Below Ground Surface [Ecologic Concerns]
Excavated to 2' Below Ground Surface [Human Health]
Excavated to 3' Below Ground Surface [Human Health]
CEF-P21-SS-001
Fraction (mg/kg)
PARAMETER 503 [100/200]*
Sample ID
FDEP Residential SCTL / FDEP Leachability SCTL
Detected Concentration
Parameter
J - Estimated concentration
U - Not detected at or above method detection limit (associated value)
* - Concentration exceeds target cleanup goal
EXCAVATION AREA DEPTH VOLUME
ft2 ft bgs yd3
1 4120 1 152
2 6261 2 464
3 1273 1 47
4 1082 1 40
5 6433 1 238
6 11026 1 408
7 32937 2 2440
8 4682 3 520
9 2729 1 101
10 2678 3 298
11 26260 0.5 486
Total Yards 5194
DRAWN BY
DATE
CHECKED BY
DATE
SIGN F
AS NOTED
REMOVAL ACTION DESIGN PLAN
SOIL EXCAVATION
SITE 49, FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA
CONTRACT NO.
DWG
OWNER NO.
APPROVED BY
DATE
DRAWING NO.
FIGURE 2
REV
0

Table 1
Proposed Excavation Activities
Removal Action for NAS Cecil Field Site 49 (Former Skeet Range)

Area	Surface Area (Sq. Ft.)	Proposed Excavation Depth (Ft. Bgs)	Proposed Excavation Volume (Cu. Yd.)	Description
1	4,120	1	152	Slash Pine and scrub vegetation south of former skeet range
2	6,261	2	464	Slash Pine and scrub vegetation south of former skeet range
3	1,273	1	47	Slash Pine and scrub vegetation south of former skeet range
4	1,082	1	40	Slash Pine and scrub vegetation south of former skeet range
5	6,433	1	238	Slash Pine and scrub vegetation south of former skeet range
6	11,026	1	408	Old field vegetation in forest clearing formerly used as skeet range
7	32,937	2	2,440	Old field vegetation in forest clearing formerly used as skeet range
8	4,682	3	520	Old field vegetation in forest clearing formerly used as skeet range
9	2,729	1	101	Old field vegetation in forest clearing formerly used as skeet range
10	2,678	1	298	Old field vegetation in forest clearing formerly used as skeet range
11	26,260	0.5	486	Slash Pine and scrub vegetation south of former skeet range
TOTAL	99,481	N/A	5194	N/A

Sq. Ft.: Square Feet
Ft: Feet
Bgs: below ground surface
Cu. Yd.: Cubic Yards

EXCAVATION	AREA ft2	DEPTH ft bgs	VOLUME yd3
1	4120	1	152
2	6261	2	464
3	1273	1	47
4	1082	1	40
5	6433	1	238
6	11026	1	408
7	32937	2	2440
8	4682	3	520
9	2729	1	101
10	2678	3	298
11	26260	0.5	486
		Total Yards	5194

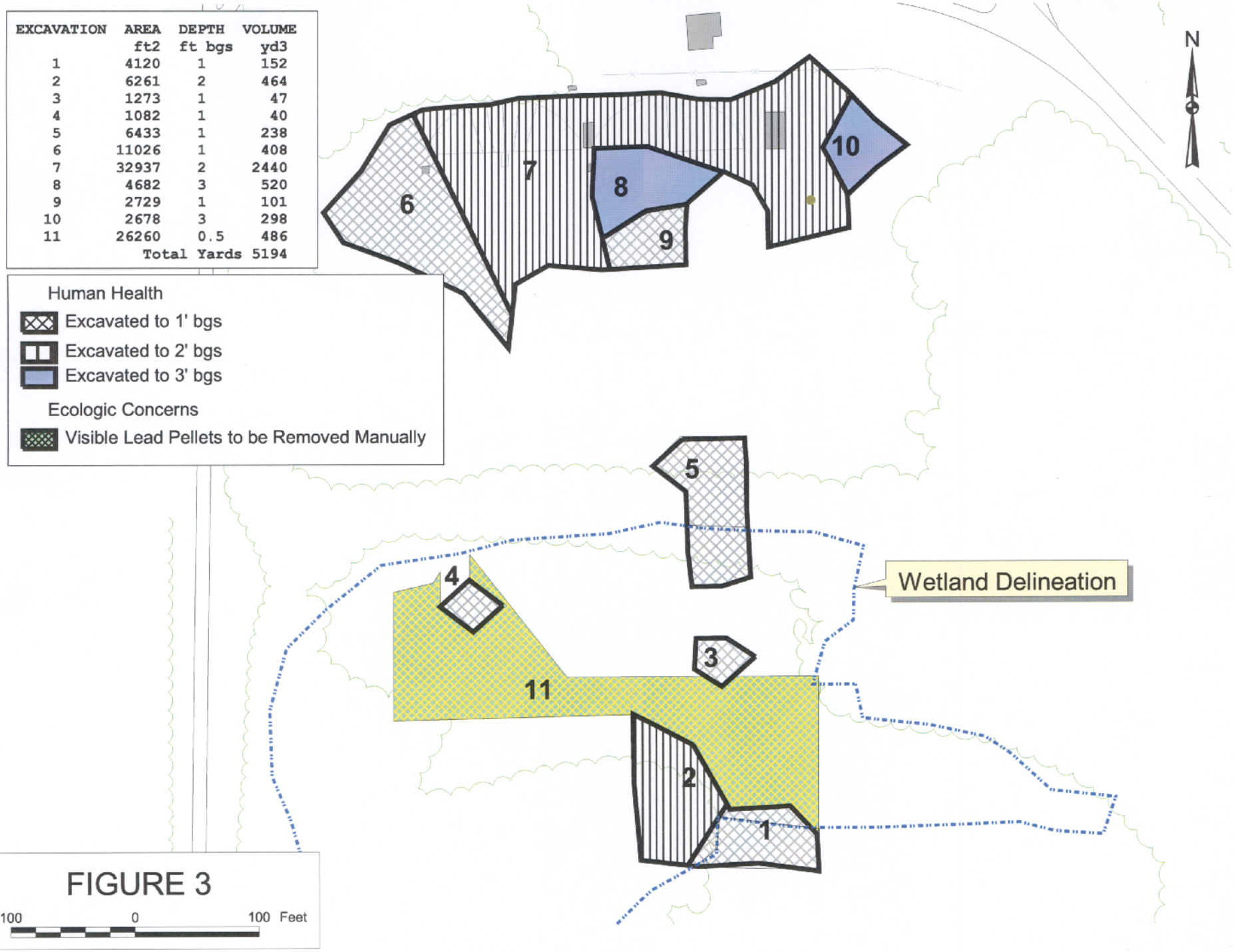


FIGURE 3

DRAWN BY MJJ	DATE 02Apr02	SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. PHOTOGRAPH 2 / REV 0

Anticipated Wetland Impacts: Excavation of contaminated soils from wetlands within Areas 1, 2, 3, 4, 5, and 11 will result in the removal of approximately 1,162 cubic yards of wetland (hydric) soil and the destruction of wetland (hydrophytic) vegetation from approximately 38,251 square feet (0.9 acre) of wetlands (Table 2). The excavation will be accomplished using backhoes or other mechanized construction equipment. It will not be possible to perform the excavation without first completely removing all trees and other vegetation growing in the affected areas. Because Areas 6 through 10 are not located in wetlands (Figure 3), their excavation will not disturb wetlands. As a beneficial impact, the removal action will decrease the exposure of vegetation and fauna in the remainder of the wetlands south of Site 49 to lead and other ecotoxic contaminants.

Proposed Wetland Mitigation: Because all of part of Areas 1, 2, 3, 4, 5, and 11 are located in wetlands, excavation and offsite disposal of contaminated soil is not possible without disturbing the wetlands. The wetland impacts resulting from the removal action are therefore unavoidable.

The Navy will minimize disturbance to wetlands during the removal action by staging excavation equipment outside of the wetlands. Prior to ground disturbance, the Navy will install silt fences around the perimeter of each area of soil contamination. The silt fences will minimize sedimentation of adjoining undisturbed wetlands during the removal action. The silt fences will be left in place until the excavated areas are vegetatively stabilized.

Because Site 49 would be subject to re-grading as part of the City of Jacksonville's proposed expansion of Lake Fretwell, the Navy does not propose to restore the affected wetlands to their baseline condition. Instead, the Navy would apply topsoil to a minimum depth (2 inches) to allow for vegetative stabilization of disturbed wetlands. Nowhere would the depth of applied topsoil exceed the existing grade. The Navy would then seed the affected areas with a mixture of indigenous wetland grasses, rushes, and forbs agreed upon in consultation with the FDEP.

Please call me at (301) 528-3089 if you have any questions regarding wetlands issues or Mark Jonnet at (412) 921-8622 if you have any general questions about the project.

Sincerely,

J. Peyton Doub

J. Peyton Doub, CEP, PWS
Professional Wetland Scientist #358

Table 2
Anticipated Wetland Impacts
Removal Action for NAS Cecil Field Site 49 (Former Skeet Range)

Area	Total Area (Sq. Ft.)		Volume of Soil Proposed for Excavation (Cu Yd.)		Area of Vegetation Proposed for Removal (Sq. Ft.)	
	Total	Wetlands	Total	From Wetlands	Total	From Wetlands
1	4,120	1,075	152	40	4,120	1,075
2	6,261	6,261	464	464	6,261	6,261
3	1,273	1,273	47	47	1,273	1,273
4	1,082	1,082	40	40	1,082	1,082
5	6,433	2,300	238	85	6,433	2,300
6	11,026	0	408	0	11,026	0
7	32,937	0	2,440	0	32,937	0
8	4,682	0	520	0	4,682	0
9	2,729	0	101	0	2,729	0
10	2,678	0	298	0	2,678	0
11	26,260	26,260	486	486	26,260	26,260
TOTAL	99,481	38,251	5,194	1,162	99,481	38,251

Sq. Ft.: Square Feet
Cu. Yd.: Cubic Yards

References

ABB-ES (ABB Environmental Services, Inc.). 1994. *Base Realignment and Closure Environmental Baseline Survey Report Naval Air Station (NAS) Cecil Field*. November.

TtNUS (Tetra Tech NUS). 2002a. *Engineering Evaluation/Cost Analysis for Operable Unit 5, Site 49, Former Skeet Range, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina. June.

TtNUS (Tetra Tech NUS). 2002b. *Action Memorandum for Operable Unit 5, Site 49 – Former Skeet Range at Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina. March 15.

USDA (U.S. Department of Agriculture). 1978. *Soil Survey of City of Jacksonville, Duval County, Florida*. Soil Conservation Service.

ATTACHMENT 2

JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMITS

TETRA TECH NUS, INC.

20251 Century Blvd., Suite 200, Germantown, MD 20874-7114
(301) 528-5552

April 23, 2002

Mr. Osvaldo Collazo
Atlantic Permits Branch Office
CESAJ-RD-A
400 West Bay Street
Room 201
Jacksonville, Florida 32202

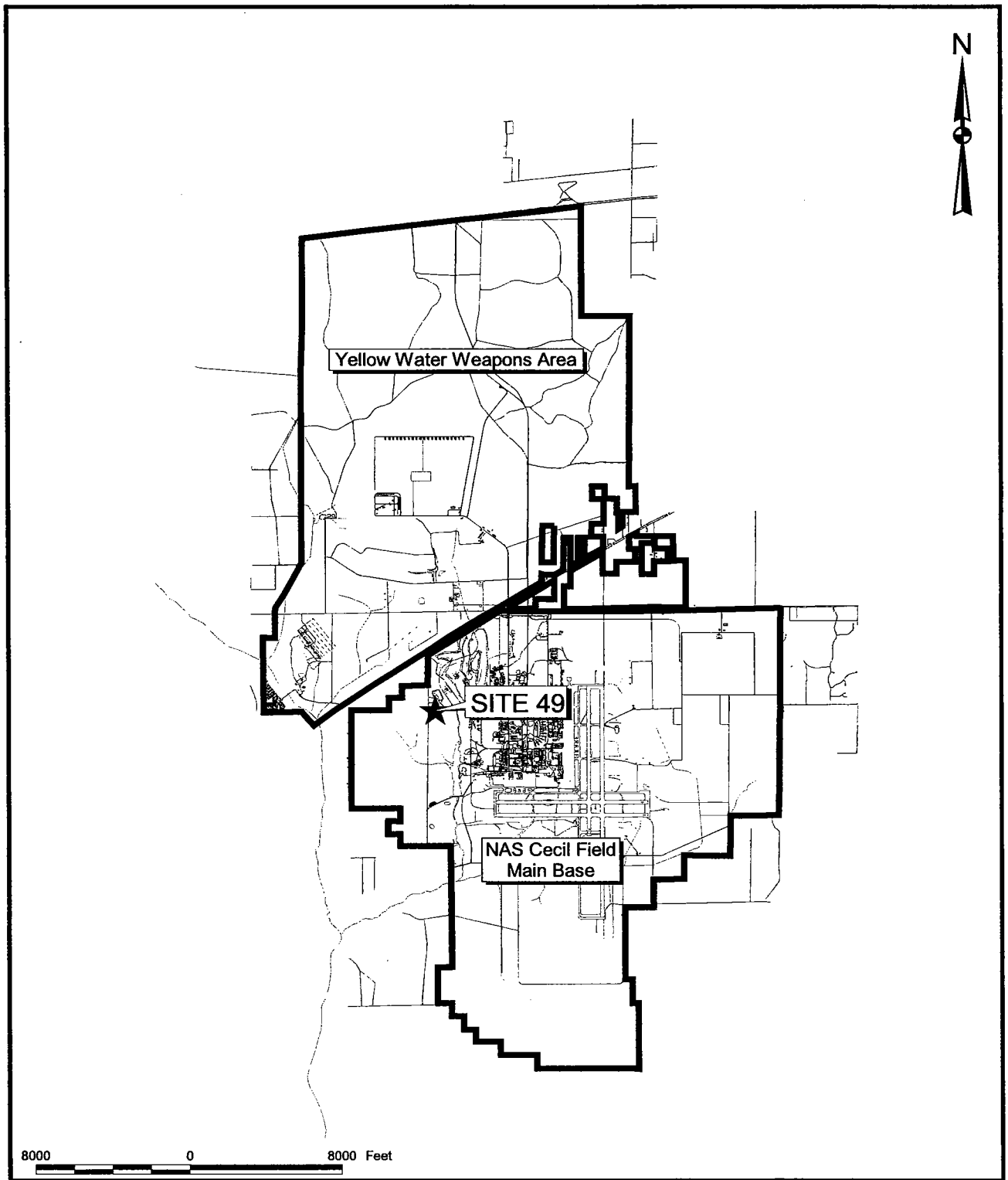
Subject: Request for Authorization Under National Permit No. 38, Wetland Impacts from Removal Action at Site 49 (Former Skeet Range), NAS Cecil Field

Dear Mr. Collazo:

Tetra Tech NUS (TtNUS) is under contract to Southern Division, Naval Facilities Engineering Command to design a removal action addressing contaminated surface soils at Operable Unit (OU) 5, Site 49 (Former Skeet Range) at the Naval Air Station (NAS) Cecil Field (Figure 1). NAS Cecil Field is on the National Priorities List (NPL) of sites identified by the U.S. Environmental Protection Agency (EPA) as requiring priority cleanup under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The following letter has been forwarded to the Navy and describes wetland impacts that will be unavoidable if the Navy implements a removal action to clean up contaminated soils at Site 49 in accordance with the National Contingency Plan (NCP; 40 CFR 3000.415).

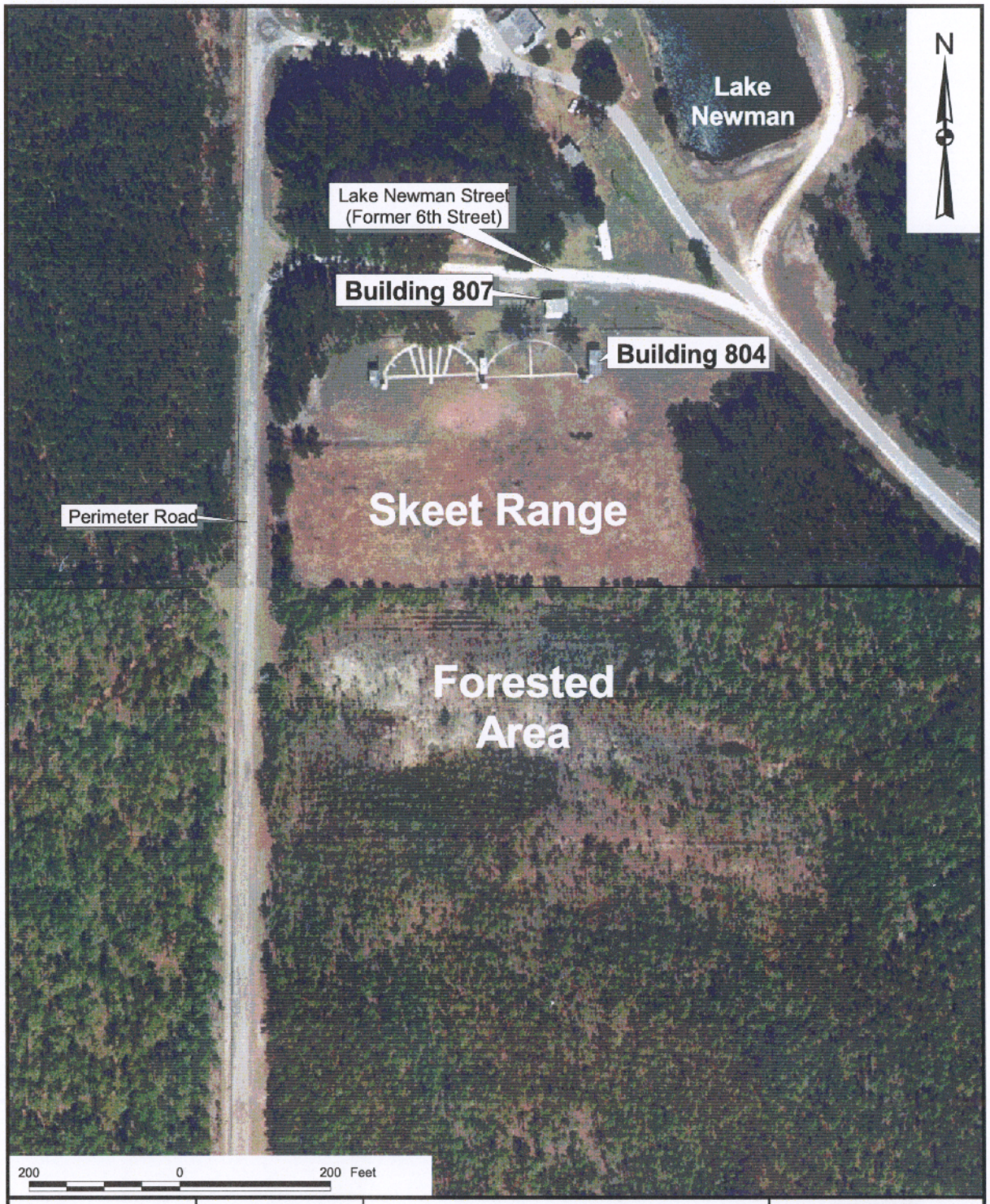
The Navy requests that the U.S. Army Corps of Engineers (COE) review the wetland impacts described below and indicate whether the impacts are authorized under Nationwide Permit 38 (Cleanup of Hazardous and Toxic Waste). In accordance with your request via telephone call on April 22, 2002, Section A of the Joint Application Form developed for use in Florida is attached. The Navy is seeking approval from the Florida Department of Environmental Protection under separate cover.

Site Description: Site 49 consists of an unpaved land area that was used as a skeet shooting range (Facility 804) from 1965 to 1998 (Photograph 1). Historic aerial photographs indicate that the land area was undeveloped prior to its use as a skeet range. An environmental baseline survey completed by the Navy in 1994 (ABB-ES, 1994) recommended that soils in the vicinity of the skeet range be investigated for possible lead contamination originating from lead shot. TtNUS, under contract to the Navy, performed soil sampling that detected and delineated



DRAWN BY MJJ	DATE 26Jun01	GENERAL LOCATION MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY [illegible] DATE 5/9/02
COST/SCHEDULE-AREA			APPROVED BY [illegible] DATE 5/10/02
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-1 Layout



DRAWN BY MJJ	DATE 26Jun01	SITE LAYOUT MAP SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY MPS 5/9/02 DATE
COST/SCHEDULE-AREA			APPROVED BY MPS 5/10/02 DATE
SCALE AS NOTED			DRAWING NO. PHOTOGRAPH 1 REV 0

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 14Mar02 MJJ 2-2 Layout

contamination by polynuclear aromatic hydrocarbons and inorganic constituents (including lead). The results of TtNUS's investigations are reported in an Engineering Evaluation/Cost Analysis (EE/CA) (TtNUS, 2002a). A tag map from the EE/CA that summarizes soil sample locations and detected contaminants is provided as Figure 2. The Navy concludes that unless the removal action is promptly implemented, contaminated soils at Site 49 could present an endangerment to public health or the environment (TtNUS, 2002b).

Description of Proposed Removal Action: The removal action calls for excavation and proper off-site disposal of approximately 5,194 cubic yards of contaminated soil from 11 areas of soil contamination totaling approximately 99,481 square feet (2.3 acres). Each area of soil contamination (designated as Areas 1 through 11) is shown in Figure 2. The size (surface area), proposed excavation depth, and a brief description for each of the 11 areas are presented in Table 1.

Wetland Delineation: Wetlands on Site 49 were delineated by Environmental Resource Solutions (ERS), contractor to the City of Jacksonville, as part of a larger wetland delineation addressing all lands potentially affected by a proposed project to expand an existing lake (Lake Fretwell) to increase stormwater management capabilities in areas of NAS Cecil Field undergoing redevelopment. The wetland delineation identified areas meeting the definitions for wetlands established by the U.S. Army Corps of Engineers (COE) (33 CFR 328), the EPA (40 CFR 230), and the State of Florida (Chapter 62-340 F.A.C).

Figure 3 depicts the delineated wetland boundary and its spatial relation to each area of soil contamination. Wetlands occur only in the southern part of Site 49. According to ERS, the boundaries meeting the Federal and State of Florida wetland definitions are coincident. The wetlands support sparse herbaceous and shrub cover with stunted and widely spaced planted slash pine (Photograph 2). The U.S. Department of Agriculture, Soil Conservation Service mapped soils in the vicinity of the Site 49 wetlands as "pits" in a soil survey completed in 1978 for areas within the City of Jacksonville (USDA, 1978). The soil survey defines this term as a "borrow pits" from which soil has been removed. The soils appear to have been graded in the past, either as part of constructing or operating the skeet range or to provide borrow. The soils are sandy with little or no topsoil.

According to ERS, the delineated wetland boundary has been flagged and surveyed but not yet officially verified by the COE or the St. John's Water Management District. The City of Jacksonville plans to apply for an official verification of the wetland delineation and to submit a Joint Permit Application requesting permits required to disturb wetlands, including wetlands on Site 49, to expand Lake Fretwell.

CEF-P49-SS-101-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 19700 J [83000*/6100*]
ACENAPHTHENE 23200 J [1900000*/2100*]
BENZO(A)ANTHRACENE 27800 J [1400*/3200*]
BENZO(A)PYRENE 65600 J [100*/8000*]
BENZO(B)FLUORANTHENE 39200 J [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 10900 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 25600 J [1500*/28000]
CEF-P49-SS-501-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 150 [83000/6100]
ACENAPHTHENE 455 [1900000/2100]
BENZO(A)ANTHRACENE 1200 [1400/3200]
BENZO(A)PYRENE 2050 [100*/8000]
BENZO(B)FLUORANTHENE 2430 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 936 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1720 [1500*/28000]
CEF-P49-SS-209-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 901 [83000/6100]
ACENAPHTHENE 1250 [1900000/2100]
BENZO(A)ANTHRACENE 1160 [1400/3200]
BENZO(A)PYRENE 176 [100*/8000]
BENZO(B)FLUORANTHENE 1700 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 938 [100*/30000]
INDENO(1,2,3-CD)PYRENE 9.9 U [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-701-03
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 390 U/410 U [83000*/6100*]
ACENAPHTHENE 780 U/820 U [1900000/2100]
BENZO(A)ANTHRACENE 390 U/410 U [1400/3200]
BENZO(A)PYRENE 78 U/82 U [100/8000]
BENZO(B)FLUORANTHENE 78 U/82 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 78 U/82 U [100/30000]
INDENO(1,2,3-CD)PYRENE 78 U/82 U [1500/28000]

CEF-P49-SS-103-01
Semivolatiles (ug/kg)
BENZO(A)ANTHRACENE 1530 [1400*/3200]
BENZO(A)PYRENE 3110 [100*/8000]
BENZO(B)FLUORANTHENE 3060 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 501 [100*/30000]
INDENO(1,2,3-CD)PYRENE 2070 [1500*/28000]

CEF-P49-SS-102-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 323 [100*/8000]

CEF-P49-SS-104-01
Semivolatiles (ug/kg)
ACENAPHTHENE 3860 [1900000*/2100*]
BENZO(A)ANTHRACENE 4750 [1400*/3200*]
BENZO(A)PYRENE 10400 [100*/8000*]
BENZO(B)FLUORANTHENE 6170 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1010 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4740 [1500*/28000]
CEF-P49-SS-506-02
Semivolatiles (ug/kg)
ACENAPHTHENE 271 [1900000/2100]
BENZO(A)ANTHRACENE 519 [1400/3200]
BENZO(A)PYRENE 530 [100*/8000]
BENZO(B)FLUORANTHENE 681 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]
INDENO(1,2,3-CD)PYRENE 404 [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-702-03
Semivolatiles (ug/kg)
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]

CEF-P49-SS-208-01
Semivolatiles (ug/kg)
ACENAPHTHENE 6670 [1900000*/2100*]
BENZO(A)ANTHRACENE 5700 [1400*/3200*]
BENZO(A)PYRENE 9760 [100*/8000*]
BENZO(B)FLUORANTHENE 4720 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 3300 [100*/30000]
CEF-P49-SS-507-02 [Vertical Delineation Sample]
Semivolatiles (ug/kg)
ACENAPHTHENE 488 [1900000/2100]
BENZO(A)ANTHRACENE 820 [1400/3200]
BENZO(A)PYRENE 1670 [100*/8000]
BENZO(B)FLUORANTHENE 1460 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 761 [100*/30000]

CEF-P49-SS-302-01
Semivolatiles (ug/kg)
ACENAPHTHENE 386 [1900000/2100]
BENZO(A)ANTHRACENE 327 [1400/3200]
BENZO(A)PYRENE 820 [100*/8000]
BENZO(B)FLUORANTHENE 558 [1400/10000]
DIBENZO(A,H)ANTHRACENE 149 [100*/30000]

CEF-P49-SS-131-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 140 U [68000/2200]
2-METHYLNAPHTHALENE 600 [83000/6100]
ACENAPHTHENE 581 [1900000/2100]
BENZO(A)ANTHRACENE 854 [1400/3200]
BENZO(A)PYRENE 1910 [100*/8000]
BENZO(B)FLUORANTHENE 1170 [1400/10000]
BENZO(K)FLUORANTHENE 13000 [15000/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ [1500/28000]
CEF-P49-SU-607-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 52000 U/22900 J [68000/2200]
2-METHYLNAPHTHALENE 52000 UJ/28100 J [83000/6100]
ACENAPHTHENE 52000 U/27700 J [1900000/2100]
BENZO(A)ANTHRACENE 24700/40000 [1400*/3200*]
BENZO(A)PYRENE 14200 J/33500 J [100*/8000*]
BENZO(B)FLUORANTHENE 8490 J/21600 J [1400*/10000]
BENZO(K)FLUORANTHENE 13000/17300 [15000/25000]
INDENO(1,2,3-CD)PYRENE 10000 UJ/13400 J [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-704-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 490 U [68000/2200]
2-METHYLPHENOL 490 U [2400000/300]
ACENAPHTHENE 980 U [1900000/2100]
BENZO(A)ANTHRACENE 490 U [1400/3200]
BENZO(A)PYRENE 98 U [100/8000]
BENZO(B)FLUORANTHENE 98 U [1400/10000]
BENZO(K)FLUORANTHENE 98 U [15000/25000]
INDENO(1,2,3-CD)PYRENE 98 U [1500/28000]

CEF-P49-SS-201-01
Semivolatiles (ug/kg)
ACENAPHTHENE 5710 [1900000*/2100*]
BENZO(A)ANTHRACENE 3550 [1400*/3200*]
BENZO(A)PYRENE 4460 [100*/8000]
BENZO(B)FLUORANTHENE 6880 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1300 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-504-02
Semivolatiles (ug/kg)
ACENAPHTHENE 72 U [1900000/2100]
BENZO(A)ANTHRACENE 23.8 [1400/3200]
BENZO(A)PYRENE 15.2 [100/8000]
BENZO(B)FLUORANTHENE 34.6 [1400/10000]
DIBENZO(A,H)ANTHRACENE 11 U [100/30000]

CEF-P49-SS-008-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 170 J/3200 J [100*/8000]
BENZO(B)FLUORANTHENE 110 J/1600 J [1400/10000]
BENZO(G,H,I)PERYLENE 80 J/1800 J [2300000/32000000]
BENZO(K)FLUORANTHENE 8.2 UJ/3200 J [15000/25000]
DIBENZO(A,H)ANTHRACENE 14 UJ/1600 J [100/30000]

CEF-P49-SS-004-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 720 [100*/8000]
DIBENZO(A,H)ANTHRACENE 110 [100*/30000]

CEF-P49-SS-007-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 17000 [83000*/6100*]
ACENAPHTHENE 29000 [1900000*/2100*]
BENZO(A)ANTHRACENE 14000 [1400*/3200*]
BENZO(A)PYRENE 20000 [100*/8000*]
BENZO(B)FLUORANTHENE 190000 [1400*/10000*]
DIBENZO(A,H)ANTHRACENE 7400 [100*/30000]
INDENO(1,2,3-CD)PYRENE 14000 [1500*/28000]
CEF-P49-SS-502-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 321 J/70 UJ [83000/6100]
ACENAPHTHENE 279 J/70 UJ [1900000/2100]
BENZO(A)ANTHRACENE 578 J/141 J [1400/3200]
BENZO(A)PYRENE 1560 J/150 J [100*/8000]
BENZO(B)FLUORANTHENE 938 J/240 J [1400/10000]
DIBENZO(A,H)ANTHRACENE 345 J/87.8 J [100*/30000]
INDENO(1,2,3-CD)PYRENE 760 J/227 J [1500/28000]
CEF-P49-SS-508-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 76 U [83000/6100]
ACENAPHTHENE 76 U [1900000/2100]
BENZO(A)ANTHRACENE 132 [1400/3200]
BENZO(A)PYRENE 260 [100*/8000]
BENZO(B)FLUORANTHENE 230 [1400/10000]
DIBENZO(A,H)ANTHRACENE 39.5 [100/30000]
INDENO(1,2,3-CD)PYRENE 203 [1500/28000]

[Vertical Delineation Sample]
CEF-P49-SU-705-03
Semivolatiles (ug/kg)
2-METHYLPHENOL 360 U [2400000/300]
ACENAPHTHENE 720 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 72 U [100/8000]
BENZO(B)FLUORANTHENE 72 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 72 U [100/30000]
INDENO(1,2,3-CD)PYRENE 72 U [1500/28000]

CEF-P49-SS-005-01
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 1100 U [68000/2200]
2-METHYLNAPHTHALENE 3500 [83000/6100]
ACENAPHTHENE 6400 [1900000*/2100*]
BENZO(A)ANTHRACENE 1700 [1400*/3200]
BENZO(A)PYRENE 3200 [100*/8000]
BENZO(B)FLUORANTHENE 2800 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 270 U [100/30000]
CEF-P49-SS-503-02
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 69 U [68000/2200]
2-METHYLNAPHTHALENE 275 [83000/6100]
ACENAPHTHENE 208 [1900000/2100]
BENZO(A)ANTHRACENE 457 [1400/3200]
BENZO(A)PYRENE 802 [100*/8000]
BENZO(B)FLUORANTHENE 848 [1400/10000]
DIBENZO(A,H)ANTHRACENE 322 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SU-707-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 360 U [68000/2200]
2-METHYLNAPHTHALENE 360 U [83000/6100]
ACENAPHTHENE 710 U [1900000/2100]
BENZO(A)ANTHRACENE 360 U [1400/3200]
BENZO(A)PYRENE 71 U [100/8000]
BENZO(B)FLUORANTHENE 71 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 71 U [100/30000]

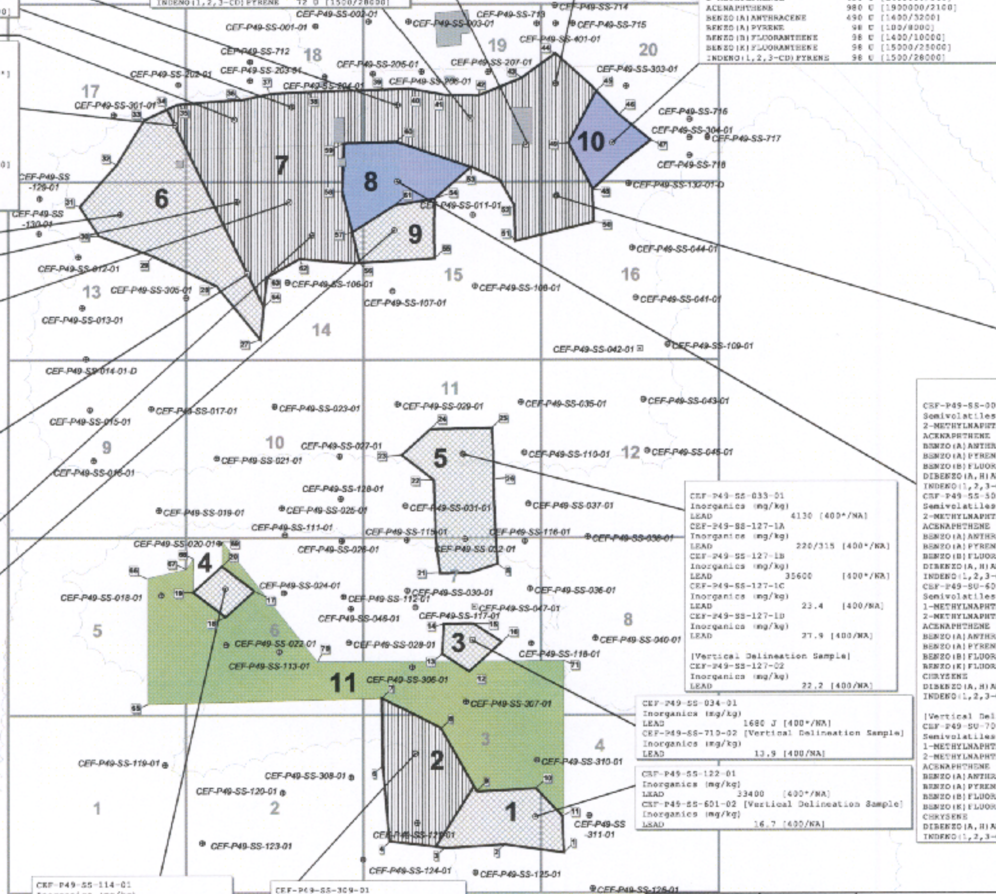
CEF-P49-SS-105-01
Semivolatiles (ug/kg)
BENZO(A)PYRENE 2770 [100*/8000]
BENZO(B)FLUORANTHENE 1440 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 246 [100*/30000]

[Vertical Delineation Sample]
CEF-P49-SS-708-02
Semivolatiles (ug/kg)
BENZO(A)PYRENE 74 U [100/8000]
BENZO(B)FLUORANTHENE 74 U [1400/10000]
DIBENZO(A,H)ANTHRACENE 74 U [100/30000]

CEF-P49-SS-009-01
BENZO(A)PYRENE 950 [100*/8000]

CEF-P49-SS-010-01
Semivolatiles (ug/kg)
ACENAPHTHENE 4300 [1900000*/2100*]
BENZO(A)ANTHRACENE 2200 [1400*/3200]
BENZO(A)PYRENE 4200 [100*/8000]
BENZO(B)FLUORANTHENE 2600 [1400*/10000]
INDENO(1,2,3-CD)PYRENE 1600 [1500*/28000]

[Vertical Delineation Sample]
CEF-P49-SS-509-02
Semivolatiles (ug/kg)
ACENAPHTHENE 70 U [1900000/2100]
BENZO(A)ANTHRACENE 10 U [1400/3200]
BENZO(A)PYRENE 19 [100/8000]
BENZO(B)FLUORANTHENE 10 U [1400/10000]
INDENO(1,2,3-CD)PYRENE 108 [1500/28000]



CEF-P49-SS-033-01
Inorganics (mg/kg)
LEAD 4130 [400*/NA]
CEF-P49-SS-127-1A
Inorganics (mg/kg)
LEAD 220/315 [400*/NA]
CEF-P49-SS-127-1B
Inorganics (mg/kg)
LEAD 35600 [400*/NA]
CEF-P49-SS-127-1C
Inorganics (mg/kg)
LEAD 23.4 [400/NA]
CEF-P49-SS-127-1D
Inorganics (mg/kg)
LEAD 27.9 [400/NA]

[Vertical Delineation Sample]
CEF-P49-SS-127-02
Inorganics (mg/kg)
LEAD 22.2 [400/NA]

CEF-P49-SS-034-01
Inorganics (mg/kg)
LEAD 1680 J [400*/NA]
CEF-P49-SS-710-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 13.9 [400/NA]

CEF-P49-SS-122-01
Inorganics (mg/kg)
LEAD 33400 [400*/NA]
CEF-P49-SS-601-02 [Vertical Delineation Sample]
Inorganics (mg/kg)
LEAD 16.7 [400/NA]

CEF-P49-SS-006-01
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 7400 [83000*/6100*]
ACENAPHTHENE 10000 [1900000*/2100*]
BENZO(A)ANTHRACENE 4800 [1400*/3200*]
BENZO(A)PYRENE 7400 [100*/8000]
BENZO(B)FLUORANTHENE 6100 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 450 [100*/30000]
INDENO(1,2,3-CD)PYRENE 4500 [1500*/28000]
CEF-P49-SS-505-02
Semivolatiles (ug/kg)
2-METHYLNAPHTHALENE 322 [83000/6100]
ACENAPHTHENE 262 [1900000/2100]
BENZO(A)ANTHRACENE 748 [1400/3200]
BENZO(A)PYRENE 1480 [100*/8000]
BENZO(B)FLUORANTHENE 1770 [1400*/10000]
DIBENZO(A,H)ANTHRACENE 1690 [100*/30000]
INDENO(1,2,3-CD)PYRENE 1640 [1500*/28000]
CEF-P49-SU-605-03
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 66500 J [68000*/2200*]
2-METHYLNAPHTHALENE 79200 [83000*/6100*]
ACENAPHTHENE 78500 [1900000*/2100*]
BENZO(A)ANTHRACENE 93900 [1400*/3200*]
BENZO(A)PYRENE 71400 [100*/8000*]
BENZO(B)FLUORANTHENE 53100 [1400*/10000*]
BENZO(K)FLUORANTHENE 45400 [15000*/25000*]
CHRYSENE 103000 [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 14000 U [100/30000]
INDENO(1,2,3-CD)PYRENE 30000 [1500*/28000*]

[Vertical Delineation Sample]
CEF-P49-SU-706-04
Semivolatiles (ug/kg)
1-METHYLNAPHTHALENE 400 U [68000*/2200*]
2-METHYLNAPHTHALENE 400 U [2400000/300]
ACENAPHTHENE 800 U [1900000/2100]
BENZO(A)ANTHRACENE 400 U [1400/3200]
BENZO(A)PYRENE 53.3 J [100/8000]
BENZO(B)FLUORANTHENE 80 U [1400/10000]
BENZO(K)FLUORANTHENE 80 U [15000*/25000*]
CHRYSENE 400 U [140000*/77000*]
DIBENZO(A,H)ANTHRACENE 80 U [100/30000]
INDENO(1,2,3-CD)PYRENE 47.1 J [1500/28000]

CEF-P49-SS-114-01
Inorganics (mg/kg)
LEAD 42500 [400*/NA]

[Vertical Delineation Sample]
CEF-P49-SS-609-02
Inorganics (mg/kg)
LEAD 232 [400*/NA]

CEF-P49-SS-309-01
Inorganics (mg/kg)
LEAD 51000 [400*/NA]
CEF-P49-SS-603-02
Inorganics (mg/kg)
LEAD 66300 [400*/NA]
CEF-P49-SU-711-03
Inorganics (mg/kg)
LEAD 11 [400/NA]

Notes:
1. Warning: Obtain utility clearance before excavation.
2. Extent of excavation to be marked by Tetra Tech NUS, Inc.
3. Removal will be conducted to depths as noted on label.
4. Contaminants of concern are Lead and PAHs.
5. Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
6. Return site to pre-excavation conditions.
7. Provide proper support of excavation walls to protect adjacent building and paved areas.
8. Remediation based on FDEP Leachability and 3 times Residential criteria exceedances.
9. Provide erosion and sedimentation control.
10. Excavation area No. 11 is based on visible Lead pellets on the ground surface.
11. Duplicate sample results noted as sample/duplicate.
12. Exposure Unit size is 0.5 acres.

Legend
- Monitoring Well
- Surface Soil Sample
- Surface and Subsurface Soil Sample
- Subsurface Soil Sample
- Buildings
- Excavated to 1' Below Ground Surface (bgs) [Human Health]
- Excavated to 0.5' Below Ground Surface [Ecologic Concerns]
- Excavated to 2' Below Ground Surface [Human Health]
- Excavated to 3' Below Ground Surface [Human Health]

CEF-P31-SS-001 — Sample ID
Fraction (ug/kg)
PARAMETER 500 [100/200]* — FDEP Residential SCTL / FDEP Leachability SCTL; Detected Concentration; Parameter

J - Estimated concentration
U - Not detected at or above method detection limit (associated value)
* - Concentration exceeds target cleanup goal

EXCAVATION	AREA ft2	DEPTH ft bgs	VOLUME yd3
1	4120	1	152
2	6261	2	464
3	1273	1	47
4	1082	1	40
5	6433	1	238
6	11026	1	408
7	32937	2	2440
8	4682	3	520
9	2729	1	101
10	2678	3	298
11	26260	0.5	486
		Total Yards	5194

50 0 50 Feet

P:\GIS\NAS_CecilField\Site-49_ActionMemo.apr 13Aug01 MJJ 3-1 Layout

DRAWN BY MJJ DATE 7/Jun01
CHECKED BY [signature] DATE
[signature] 5/10/01
SCALE AS NOTED

REMOVAL ACTION DESIGN PLAN
SOIL EXCAVATION
SITE 49, FORMER SKEET RANGE
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO. 0020
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE 2
REV 0

Table 1
Proposed Excavation Activities
Removal Action for NAS Cecil Field Site 49 (Former Skeet Range)

Area	Surface Area (Sq. Ft.)	Proposed Excavation Depth (Ft. Bgs)	Proposed Excavation Volume (Cu. Yd.)	Description
1	4,120	1	152	Slash Pine and scrub vegetation south of former skeet range
2	6,261	2	464	Slash Pine and scrub vegetation south of former skeet range
3	1,273	1	47	Slash Pine and scrub vegetation south of former skeet range
4	1,082	1	40	Slash Pine and scrub vegetation south of former skeet range
5	6,433	1	238	Slash Pine and scrub vegetation south of former skeet range
6	11,026	1	408	Old field vegetation in forest clearing formerly used as skeet range
7	32,937	2	2,440	Old field vegetation in forest clearing formerly used as skeet range
8	4,682	3	520	Old field vegetation in forest clearing formerly used as skeet range
9	2,729	1	101	Old field vegetation in forest clearing formerly used as skeet range
10	2,678	1	298	Old field vegetation in forest clearing formerly used as skeet range
11	26,260	0.5	486	Slash Pine and scrub vegetation south of former skeet range
TOTAL	99,481	N/A	5194	N/A

Sq. Ft.: Square Feet
Ft: Feet
Bgs: below ground surface
Cu. Yd.: Cubic Yards

EXCAVATION	AREA ft2	DEPTH ft bgs	VOLUME yd3
1	4120	1	152
2	6261	2	464
3	1273	1	47
4	1082	1	40
5	6433	1	238
6	11026	1	408
7	32937	2	2440
8	4682	3	520
9	2729	1	101
10	2678	3	298
11	26260	0.5	486
		Total Yards	5194

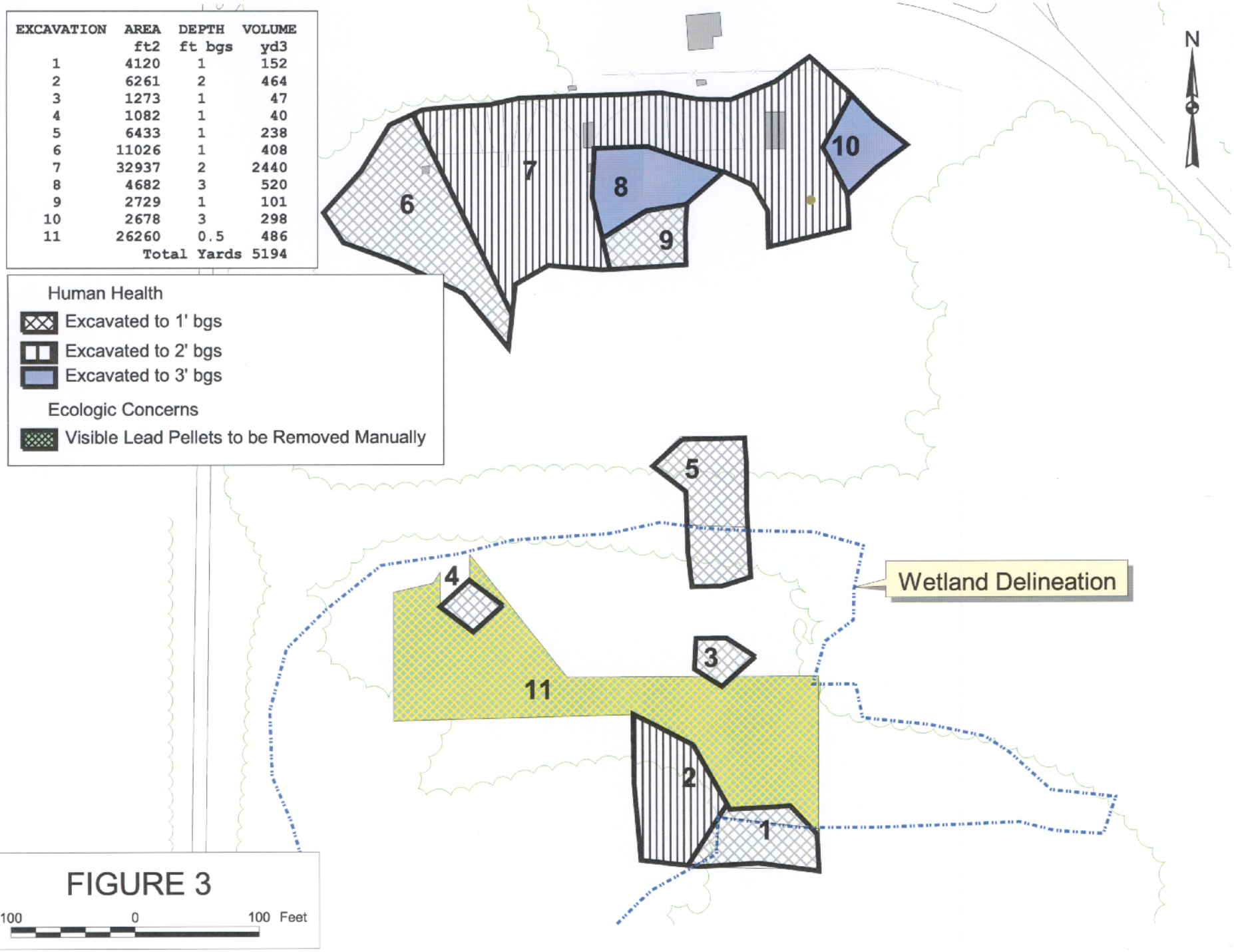


FIGURE 3

DRAWN BY MJJ	DATE 02Apr02	SITE 49, FORMER SKEET RANGE NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0039
CHECKED BY	DATE		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. PHOTOGRAPH 2 / REV 0

Anticipated Wetland Impacts: Excavation of contaminated soils from wetlands within Areas 1, 2, 3, 4, 5, and 11 will result in the removal of approximately 1,162 cubic yards of wetland (hydric) soil and the destruction of wetland (hydrophytic) vegetation from approximately 38,251 square feet (0.9 acre) of wetlands (Table 2). The excavation will be accomplished using backhoes or other mechanized construction equipment. It will not be possible to perform the excavation without first completely removing all trees and other vegetation growing in the affected areas. Because Areas 6 through 10 are not located in wetlands (Figure 3), their excavation will not disturb wetlands. As a beneficial impact, the removal action will decrease the exposure of vegetation and fauna in the remainder of the wetlands south of Site 49 to lead and other ecotoxic contaminants.

Proposed Wetland Mitigation: Because all of part of Areas 1, 2, 3, 4, 5, and 11 are located in wetlands, excavation and offsite disposal of contaminated soil is not possible without disturbing the wetlands. The wetland impacts resulting from the removal action are therefore unavoidable.

The Navy will minimize disturbance to wetlands during the removal action by staging excavation equipment outside of the wetlands. Prior to ground disturbance, the Navy will install silt fences around the perimeter of each area of soil contamination. The silt fences will minimize sedimentation of adjoining undisturbed wetlands during the removal action. The silt fences will be left in place until the excavated areas are vegetatively stabilized.

Because Site 49 would be subject to re-grading as part of the City of Jacksonville's proposed expansion of Lake Fretwell, the Navy does not propose to restore the affected wetlands to their baseline condition. Instead, the Navy would apply topsoil to a minimum depth (2 inches) to allow for vegetative stabilization of disturbed wetlands. Nowhere would the depth of applied topsoil exceed the existing grade. The Navy would then seed the affected areas with a mixture of indigenous wetland grasses, rushes, and forbs agreed upon in consultation with the FDEP.

Please call me at (301) 528-3089 if you have any questions regarding wetlands issues or Mark Jonnet at (412) 921-8622 if you have any general questions about the project.

Sincerely,

J. Peyton Doub

J. Peyton Doub, CEP, PWS
Professional Wetland Scientist #358

Table 2
Anticipated Wetland Impacts
Removal Action for NAS Cecil Field Site 49 (Former Skeet Range)

Area	Total Area (Sq. Ft.)		Volume of Soil Proposed for Excavation (Cu Yd.)		Area of Vegetation Proposed for Removal (Sq. Ft.)	
	Total	Wetlands	Total	From Wetlands	Total	From Wetlands
1	4,120	1,075	152	40	4,120	1,075
2	6,261	6,261	464	464	6,261	6,261
3	1,273	1,273	47	47	1,273	1,273
4	1,082	1,082	40	40	1,082	1,082
5	6,433	2,300	238	85	6,433	2,300
6	11,026	0	408	0	11,026	0
7	32,937	0	2,440	0	32,937	0
8	4,682	0	520	0	4,682	0
9	2,729	0	101	0	2,729	0
10	2,678	0	298	0	2,678	0
11	26,260	26,260	486	486	26,260	26,260
TOTAL	99,481	38,251	5,194	1,162	99,481	38,251

Sq. Ft.: Square Feet
Cu. Yd.: Cubic Yards

FORM#: 62-343.900(1)
FORM TITLE: JOINT ENVIRONMENTAL
RESOURCE PERMIT APPLICATION
DATE: October 3, 1995

JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMIT/

AUTHORIZATION TO USE SOVEREIGN SUBMERGED LANDS/

FEDERAL DREDGE AND FILL PERMIT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION/
WATER MANAGEMENT DISTRICTS/
U.S. ARMY CORPS OF ENGINEERS

SECTION A

FOR AGENCY USE ONLY	
ACOE Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat.	Fee Received $
Proposed Project Long.	Fee Receipt #

PART 1:
Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters?
☒ yes ☐ no
Is this application being filed by or on behalf of a government entity or drainage district? ☒yes ☐no

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

☐ Noticed General - include information requested in Section B.
☐ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
☐ Standard General (all other Standard General projects) - include information requested in Sections C and E.
☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
☐ Individual (all other Individual projects) - include information requested in Sections C and E.
☐ Conceptual - include information requested in Sections C and E.
☐ Mitigation Bank Permit (construction) - include information requested in Sections C and F. (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
☐ Mitigation Bank (conceptual) - include information requested in Sections C and F.

B. Type of activity for which you are applying (check at least one)

☐ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
☒ Construction, expansion or modification of a solid waste facility.
☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
☐ Modification of a system previously permitted by a WMD or DEP.
Provide previous permit numbers:
☐ Alteration of a system ☐ Extension of permit duration
☐ Abandonment of a system ☐ Construction of additional phases of a system
☐ Removal of a system

C. Are you requesting authorization to use Sovereign Submerged Lands?
☐yes ☒no
(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on,or over wetlands or other surface waters, check type of federal dredge and fill permit requested:
☐Individual ☐Programmatic General ☐General
☒Nationwide ☐Not Applicable

E. Are you claiming to qualify for an exemption? ☐yes ☒no
If yes, provide rule number if known. N/A

PART 3: **A. OWNER(S) OF LAND**	**B. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)**
Name Southern Division, Naval Facilities Engineering Command	Name Southern Division, Naval Facilities Engineering Command
Title and Company U.S. Navy	Title and Company U.S. Navy
Address P.O. Box 19000	Address P.O. Box 19000
City, State, Zip North Charleston, SC 29419-9010	City, State, Zip North Charleston, SC 29419-9010
Telephone and Fax Phone: (843) 820-5587 Fax: (843) 820-5563	Telephone and Fax Phone: (843) 820-5587 Fax: (843) 820-5563
C. AGENT AUTHORIZED TO SECURE PERMIT	**D. CONSULTANT (IF DIFFERENT FROM AGENT)**
Name N/A	Name J. Peyton Doub, CEP, PWS
Title and Company N/A	Title and Company Tetra Tech NUS, Inc.
Address N/A	Address 20251 Century Blvd., Suite 200
City, State, Zip N/A	City, State, Zip Germantown, MD 20874-7114
Telephone and Fax N/A	Telephone and Fax Phone: (301) 528-3089 Fax: (301) 528-3000

PART 4: (Please provide metric equivalent for federally funded projects):

A. Name of Project, including phase if applicable: Remediation of Installation Restoration Site 49 (Skeet Range)

B. Is this application for part of a multi-phase project?
☐yes ☒no

C. Total applicant-owned area contiguous to the project?
8,477 ac.; 3,431 ha.

D. Total area served by the system: 2.3 ac.; 0.9 ha.

E. Impervious area for which a permit is sought: 0 ac.; 0 ha.

F. Volume of water that the system is capable of impounding:
0 ac. ft.; 0 m

G. What is the total area of work in, on, or over wetlands or other surface waters?
0.9 ac.; 0.4 ha. 38,251 sq. ft.; 3554 sq. m.

H. Total volume of material to be dredged: 1,162 yd; 888 m

I. Number of new boat slips proposed: 0 wet slips; 0 dry slips

PART 5:

Project location (use additional sheets if needed):
County(ies)NAS Cecil Field, in the City of Jacksonville, Duval County

Section(s)	Township	Range
Section(s)	Township	Range
Section(s)	Township	Range

Land Grant name, if applicable: NAS Cecil Field

Tax Parcel Identification Number: NAS Cecil Field

Street AddressRoador other location: Intersection of Lake Newman Street and Perimeter Road

City, Zip Code, if applicable: NAS Cecil Field, Jacksonville, Florida 32202

PART 6: Describe in general terms the proposed project, system, or activity.

The proposed project is to excavate contaminated surface soils from an area on the former Naval Air Station (NAS) Cecil Field termed the Former Skeet Range (Site 49). The Navy performed soil sampling at Site 49 that detected and delineated contamination by lead and other constituents at concentrations posing a significant risk to human health and the environment. Based on the sampling results, the Navy proposes to excavate contaminated surface soil from approximately 99,481 square feet (approximately 2.3 acres). A wetland delineation performed by the City of Jacksonville for a portion of NAS Cecil Field, including Site 49, identified approximately 38,251 square feet (approximately 0.9 acres) of the area subject to excavation as wetlands meeting the definition in 33 CFR 328 (following procedures in the 1987 Corps of Engineers Wetlands Delineation Manual). The Navy will then create restored wetlands in the excavated area, resulting in no net loss of wetlands. Additional details of the project are provided in the cover letter.

PART 7:

A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.
Telephone call. April 22, 2002. Beween Osvaldo Collazo of the Jacksonville District, U.S. Army Corps of Engineers, Atlantic Permits Branch Office (904 232 1659) and J. Peyton Doub of Tetra Tech NUS.

B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1.
U.S. Navy

2.
U.S. Navy

3.
U.S. Navy

4.
U.S. Navy

5.
U.S. Navy

6.
U.S. Navy

7.
U.S. Navy

8.
U.S. Navy

ATTACHMENT 3

RECOMMENDED WETLAND RESTORATION SPECIFICATIONS

CECIL FIELD SITE 49 – FORMER SKEET RANGE
RECOMMENDED WETLAND RESTORATION SPECIFICATIONS

The following recommendations outline a procedure for restoring wetlands disturbed by the proposed excavation of soils contaminated by lead and other chemical constituents at Cecil Field Site 49. Soil will be excavated at Site 49 to a depth of 0.5 feet (6 inches) in 26,260 square feet of wetlands, a depth of 1.0 foot in 5,730 square feet of wetlands, and a depth of 2.0 feet in 6,261 square feet of wetlands. The excavated areas will not be restored to their existing grade or to forested vegetation. Instead, the excavated areas will be restored as shallow depressional wetlands supporting herbaceous perennial grasses that are regionally indigenous to similar wetland settings.

The proposed excavation of Areas 2, 3, 4, and 11 will disturb wetlands at Site 49, and the proposed excavation of portions of Areas 1 and 5 will disturb wetlands. Because the excavation will reduce the final elevation of the affected areas, it is expected that the remainder of Areas 1 and 5 will become wetlands as a result of excavation. Therefore, the entirety of the excavations at Areas 1, 2, 3, 4, 5, and 11 will be restored as depressional wetlands. The total area of wetland restoration will therefore be 45,429 square feet (just greater than 1.0 acre).

It is expected that the remaining contaminated areas at Site 49 (Areas 6, 7, 8, 9, and 10) are located far enough up-gradient that their excavation will not result in additional wetlands. If it is found that these up-gradient areas support wetland hydrology after excavation, then they will be similarly restored as depressional wetlands.

The following are specific recommendations for restoring excavated areas as depressional wetlands.

1. Gently disk the soil surface in each excavated area to alleviate surface soil compaction caused by excavation equipment.

2. Add 4 inches of clean topsoil to the excavated areas within the wetlands. Approximately 561 cubic yards of topsoil will be required.

3. Topsoil should be naturally friable with a U.S. Department of Agriculture soil textural classification of loamy sand, sandy loam, or loam. Finer textural classifications are not recommended because the topsoil might pond surface runoff within the excavated areas for such extended periods that vegetation can not survive.

4. Topsoil should be obtained from sources free of infestation by Phragmites (*Phragmites australis*), reed canary grass (*Phalaris arundinacea*), or other plant species recognized as invasive in wetland settings.

5. Apply 10-20-20 fertilizer to the topsoil surface at a rate of 400 pounds per acre. Approximately 417 pounds will be required.

6. Apply ground agricultural limestone to the soil surface at a rate of 2 tons per acre. Approximately 2.1 tons of ground agricultural limestone will be required.

7. Gently disk the topsoil after application to incorporate the fertilizer and limestone and to create a surface suitable for seeding.

8. Broadcast the seed mix shown below in Table 1, either manually or using a hand-held seeding device. Quantities of seed required are estimated in the table.

9. Use of matting to stabilize soils prior to seed germination is not recommended initially. However, use of a biodegradable geotextile mat such as coconut fiber should be considered if substantial gully erosion necessitates re-seeding parts of the wetlands.

Table 1, below, summarizes the recommended seed mix for the wetland restoration areas. The first two grass species recommended are warm season grasses that are of significantly higher value as food and cover for wildlife than are the cool season grasses in most common erosion control seed mixes. However, unlike many warm-season grasses, both species are recognized as providing good erosion control. Both are indigenous in the coastal plain throughout the East Coast, including northern Florida. Neither are invasive, and neither produce allelopathic effects in soil whereby root secretions inhibit the natural establishment of other vegetation.

The remaining grass species in the seed mix are "nurse crop" cool-season grasses intended to germinate rapidly, provide soil stabilization until the slower warm-season grasses become established, and create conditions that encourage establishment of the warm-season grasses. Different species are recommended for different times during the year. Although cool-season

grasses and not regionally indigenous, the nurse crop species are not invasive and will not hinder ultimate establishment of indigenous warm-season grasses.

The species selected are commercially available as seed, although seed may not be as widely available for the cool season grass species used in most common erosion control mixes. It may be necessary to purchase the seed from a supplier of native plant seed.

TABLE 1
CECIL FIELD SITE 49 – SKEET RANGE
PROPOSED SEED MIX

Scientific Name	Common Name	Seeding Rate (lb. PLS/A[1])	Quantity Required (lb. PLS)	Comments
Panicum virgatum	Switchgrass	25	26.1	Warm season grass typical of seasonally saturated or shallowly inundated wetlands. Good value to wildlife. FACW[2].
Dichanthelium clandestium	Deertongue Grass	12	12.5	Warm season grass typical of seasonally saturated or shallowly inundated wetlands. Good value to wildlife. FACW[2].
Seasonal Nurse Crop[3]		20	20.9	Feb. 1 – Apr. 30: Annual Rye May 1 – Aug. 31: Foxtail Millet Sep. 1 – Nov. 15: Annual Rye Nov.15 – Jan. 31: Winter Rye These cool season grasses are introduced but not invasive.

Notes:

1. PLS/A = Pounds Pure Live Seed per Acre. To calculate PLS, multiply actual weight by [(Percent Purity of the Seed X Germination Percentage)/100].

2. FACW = Facultative Wetland. Refers to plant species recognized as naturally occurring in wetlands 67 – 99 percent of the time.

3. Because seed of most warm seeded grasses can require 2-3 weeks to germinate, faster germinating "nurse crops" are often sown to provide earlier temporary stabilization.

14 - 1

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P.O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

OFFICIAL BUSINESS

AGENTS COPY

JACKSONVILLE FL JUN 28'02 PB METER 7036602 U.S. POSTAGE 0.34

J PEYTON DOUB

TETRA TECH NUS INC

20251 CENTURY BLVD SUITE 200

GERMANTOWN MD 20874-7114

DEPARTMENT OF THE ARMY NO PERMIT REQUIRED VERIFICATION

AGENTS COPY

Dear Applicant:

Date 28 JUNE 2002

Your application for a Department of the Army (DA) permit has been assigned number 200202970(NPR-LIS) The proposed work is identified in our database as NAVY/CECIL/SKEET.

NOTE: The internet address shown is case sensitive and must be entered exactly as shown.

A review of the information and drawings provided shows that no DA permit is required (NPR). This NPR decision is valid for 5 years from the date noted above. Additional information regarding this determination is noted at http://www.saj.usace.army.mil/permit/permitting/npr.htm.

If you are unable to access the internet site provided, you must notify the assigned project manager, JASON SPINNING, by telephone at 904-232-1670 to obtain a copy of any conditions, limitations, or expiration date information for the authorization provided by this correspondence.

A separate DA permit is not required providing the work is done in accordance with the drawings and information as provided in your request, received by the U.S. Army Corps of Engineers on 10 MAY 2002, and the terms and conditions listed at the website address identified above. If you do not complete construction of your project within the appropriate time limit, a separate application or reverification will be required.

Sincerely,

John R. Hall
Chief, Regulatory Division

Appendix B

Site Photographs

CH2MHILL

PERIOD FROM: 8/5/2002 TO

PROJECT: Site 49 - Former Skeet Range PROJECT NO:

PREPARED BY:

Picture Number	Photo Description/Location	Date
1	Excavation in Area 6, seen from North	8/15/02
2	Excavation of Area 6, seen from west	8/15/02
3	Excavtion of Area 7, seen from north	8/8/02
4	Backfill operation in Area 7	8/9/02
5	Excavation of Area 7, seen from east	8/8/02
6	Excavation of Area 8, seen from north	8/14/02
7	Excavation of Area 9, seen from north	8/12/02
8	Depth measurement at Area 10	8/8/02
9	Northern portion of Area 5 following site restoration, seen from norh	8/29/02
10	Area 7 and Area 10 following site restoration, seen from west	8/29/02
11	Area 6 and Area 7 following site restoration, seen from east	8/29/02
12	Excavation of southern portion of Area 5, seen from north	11/13/03
13	Excavation of Area 3 and stump removal operations in Area 1	11/17/03
14	Excavation of Area 1, seen from west	11/23/03
15	Excavation complete of southeast corner of Area 11	11/29/03
16	Excavation of Area 4 and 4 inches of topsoil added to Areas 3 and 11	12/3/03
17	Excavation of Area 11 and 4 inches of topsoil added to Areas 1 and 2	12/3/03
18	Excavation of southern portion of Area 11, seen from north	12/3/03
19	Excavation of Area 4, seen from west	12/3/03
20	Site restoration in progress	12/31/03

Photo 1 - Excavation in Area 6, seen from North

Photo 2 - Excavation of Area 6, seen from west

Photo 3 - Excavtion of Area 7, seen from north

Photo 4 - Backfill operation in Area 7

Photo 5 - Excavation of Area 7, seen from east

Photo 6 - Excavation of Area 8, seen from north

Photo 7 - Excavation of Area 9, seen from north

Photo 8 - Depth measurement at Area 10

Photo 9 - Northern portion of Area 5 following site restoration, seen from norh

Photo 10 - Area 7 and Area 10 following site restoration, seen from west

Photo 11 - Area 6 and Area 7 following site restoration, seen from east

Photo 12 - Excavation of southern portion of Area 5, seen from north

Photo 13 - Excavation of Area 3 and stump removal operations in Area 1

Photo 14 - Excavation of Area 1, seen from west

Photo 15 - Excavation complete of southeast corner of Area 11

Photo 16 - Excavation of Area 4 and 4 inches of topsoil added to Areas 3 and 11

Photo 17 - Excavation of Area 11 and 4 inches of topsoil added to Areas 1 and 2

Photo 18 - Excavation of southern portion of Area 11, seen from north

Photo 19 - Excavation of Area 4, seen from west

Photo 20 - Site restoration in progress

Appendix C

Waste Characterization Laboratory Analytical Reports

- Waste Characterization Event (May 28 - 29, 2002) (provided on CD)
- Waste Characterization Event (November 18, 2003) (provided on CD)

GULF COAST
ANALYTICAL LABORATORIES, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 06/07/2002

GCAL REPORT NO.: 202052922

Deliver To:	CH2M HILL Constructors Inc. 115 Perimeter Center Place N.E., Suite 700 Atlanta, GA 30346-1278 770-604-9182 Ext. 562
Attn:	Tatianna Romanova

CUSTOMER NAME: CH2M HILL Constructors Inc.

PROJECT NAME: NAS Cecil Field

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202052922

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: All surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): In the Herbicide analysis, the RPD for 2,4-D in the MS/MSD for QC batch #133940 was slightly out of the control limits, however the recoveries were within limits.

All other MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: In the Volatile analysis, the recovery for Vinyl Chloride is above the control limits in the LCS and MS for QC batch #133838.

In the Volatile analysis, the surrogate Bromofluorobenzene is above the control limits in the LCS (42500) for QC batch #133838.

In the Pesticide analysis, Heptaclor and Methoxyclor were recovered above the control limits in the LCS for QC batch #133942, however there were no target analytes present in the samples.

No other unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): All S/D recoveries were within quality control criteria.

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

LABORATORY ENDORSEMENT

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

ND-Indicates that the result was not detected at the specified Reporting Limit (RDL)
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous To Count
J-Indicates that the result was detected between the RDL and the MDL
U-Indicates that the result was not detected at the RDL
SUBC-Indicates that the analysis was Sub-contracted
FLD-Indicates that the result was performed in the field by the client
B- (ORGANICS) Indicates that the analyte was detected in the associated Method Blank
B- (INORGANICS) Indicates that the result is between the RDL and MDL
00:00 Reported as a time is equivalent to 24:00

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the CCI contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

SCOTT A. BAILEY
OPERATIONS MANAGER

GCAL REPORT NO.: 202052922

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20205292201	005-49A6-S-0528-02	Solid	05/28/2002 09:45	05/29/2002 10:00
20205292202	005-49A7-S-0528-02	Solid	05/28/2002 10:05	05/29/2002 10:00
20205292203	005-49A71-S-0528-02	Solid	05/28/2002 10:20	05/29/2002 10:00
20205292204	005-49A72-S-0528-02	Solid	05/28/2002 10:30	05/29/2002 10:00
20205292205	005-49A73-S-0528-02	Solid	05/28/2002 10:45	05/29/2002 10:00
20205292206	005-49A8-S-0528-02	Solid	05/28/2002 11:00	05/29/2002 10:00
20205292207	005-49A81-S-0528-02	Solid	05/28/2002 11:20	05/29/2002 10:00
20205292208	005-49A82-S-0528-02	Solid	05/28/2002 11:35	05/29/2002 10:00
20205292209	005-49A9-S-0528-02	Solid	05/28/2002 12:35	05/29/2002 10:00
20205292210	005-49A10-S-0528-02	Solid	05/28/2002 12:45	05/29/2002 10:00
20205292211	005-49A101-S-0528-02	Solid	05/28/2002 12:55	05/29/2002 10:00
20205292212	005-49A102-S-0528-02	Solid	05/28/2002 13:10	05/29/2002 10:00
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00
20205292214	TRIP BLANK	Water		05/29/2002 10:00

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	42500	102	104	98	119*	1
02	42499	110	110	100	108	0
03	005-49NS-S	115	114	97	98	0
04	42799	113	115	94	100	0
05	42800	106	104	100	97	0
06	TRIP BLANK	113	112	98	97	0
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1	= Dibromofluoromethane	(70-130)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(76-128)
SMC3 (TOL)	= Toluene-d8	(83-112)
OTHER(BFB)	= Bromofluorobenzene	(78-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

QUALITY CONTROL SUMMARY

LCS ID: 42500	ORIGINAL LAB ID:	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0.05 mg/L	0.057	115	70 - 140
67-66-3	Chloroform	0.05 mg/L	0.054	109	80 - 124
107-06-2	1,2-Dichloroethane	0.05 mg/L	0.049	98	79 - 134
78-93-3	2-Butanone	0.05 mg/L	0.057	113	59 - 157
127-18-4	Tetrachloroethene	0.05 mg/L	0.056	113	75 - 140
75-01-4	Vinyl chloride	0.05 mg/L	0.065	131 *	68 - 127
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.059	117	67 - 140
71-43-2	Benzene	0.05 mg/L	0.054	108	74 - 128
79-01-6	Trichloroethene	0.05 mg/L	0.054	107	63 - 118
108-90-7	Chlorobenzene	0.05 mg/L	0.053	105	78 - 125

MS LAB ID: 42732	ORIGINAL LAB ID: 20206010603	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0	0.05 mg/L	0.06	121	70 - 140
67-66-3	Chloroform	0	0.05 mg/L	0.055	110	80 - 124
107-06-2	1,2-Dichloroethane	0	0.05 mg/L	0.048	97	79 - 134
78-93-3	2-Butanone	0.00369	0.05 mg/L	0.054	100	60 - 140
127-18-4	Tetrachloroethene	0	0.05 mg/L	0.056	113	75 - 140
75-01-4	Vinyl chloride	0	0.05 mg/L	0.065	129 *	68 - 127
75-35-4	1,1-Dichloroethene	0	0.05 mg/L	0.057	115	61 - 145
71-43-2	Benzene	0	0.05 mg/L	0.054	109	76 - 127
79-01-6	Trichloroethene	0.00143	0.05 mg/L	0.052	101	71 - 120
108-90-7	Chlorobenzene	0	0.05 mg/L	0.05	99	75 - 130

MSD LAB ID: 42733	ORIGINAL LAB ID: 20206010603	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
56-23-5	Carbon tetrachloride	0.05 mg/L	0.054	107	70 - 140	12	0 - 30
67-66-3	Chloroform	0.05 mg/L	0.051	101	80 - 124	9	0 - 30
107-06-2	1,2-Dichloroethane	0.05 mg/L	0.047	95	79 - 134	2	0 - 30
78-93-3	2-Butanone	0.05 mg/L	0.047	86	60 - 140	15	0 - 30
127-18-4	Tetrachloroethene	0.05 mg/L	0.052	103	75 - 140	9	0 - 30
75-01-4	Vinyl chloride	0.05 mg/L	0.06	119	68 - 127	8	0 - 30
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.053	106	61 - 145	8	0 - 14
71-43-2	Benzene	0.05 mg/L	0.05	101	76 - 127	8	0 - 11
79-01-6	Trichloroethene	0.05 mg/L	0.048	93	71 - 120	8	0 - 14

QUALITY CONTROL SUMMARY

108-90-7	Chlorobenzene	0.05 mg/L	0.046	92	75 - 130	7	0 - 13

LCS ID: 42799 ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 134427

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0.05 mg/L	0.057	114	70 - 140
67-66-3	Chloroform	0.05 mg/L	0.056	111	80 - 124
107-06-2	1,2-Dichloroethane	0.05 mg/L	0.052	105	79 - 134
78-93-3	2-Butanone	0.05 mg/L	0.048	96	59 - 157
127-18-4	Tetrachloroethene	0.05 mg/L	0.054	108	75 - 140
75-01-4	Vinyl chloride	0.05 mg/L	0.056	113	68 - 127
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.053	106	67 - 140
71-43-2	Benzene	0.05 mg/L	0.05	99	74 - 128
79-01-6	Trichloroethene	0.05 mg/L	0.051	101	63 - 118
108-90-7	Chlorobenzene	0.05 mg/L	0.047	94	78 - 125

MS LAB ID: 42985 ORIGINAL LAB ID: 20205311909 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 134427

SW-846 1311/8260B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
75-35-4	1,1-Dichloroethene	0	0.05 mg/L	0.049	98	61 - 145
71-43-2	Benzene	0	0.05 mg/L	0.043	87	76 - 127
79-01-6	Trichloroethene	0.003	0.05 mg/L	0.049	91	71 - 120
108-90-7	Chlorobenzene	0	0.05 mg/L	0.05	100	75 - 130

MSD LAB ID: 42986 ORIGINAL LAB ID: 20205311909 PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 134427

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.048	96	61 - 145	2	0 - 14
71-43-2	Benzene	0.05 mg/L	0.044	88	76 - 127	1	0 - 11
79-01-6	Trichloroethene	0.05 mg/L	0.049	92	71 - 120	1	0 - 14
108-90-7	Chlorobenzene	0.05 mg/L	0.052	105	75 - 130	5	0 - 13

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID: R5177 BFB Injection Date: 06/03/02

Instrument ID: MSV0 BFB Injection Time: 0926

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	80.1
175	5.0 - 9.0% of mass 174	6.2 (7.7)1
176	95.0 - 101.0% of mass 174	76.5 (95.5)1
177	5.0 - 9.0% of mass 176	5.4 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD00.2	V0STD00.2	R5179	06/03/02	1018
02	V0STD00.4	V0STD00.4	R5180	06/03/02	1041
03	V0STD002	V0STD002	R5181	06/03/02	1104
04	V0STD005	V0STD005	R5182	06/03/02	1128
05	V0STD020	V0STD020	R5183	06/03/02	1152
06	V0STD050	V0STD050	R5184	06/03/02	1217
07	V0STD100	V0STD100	R5185	06/03/02	1238
08	V0STD200	V0STD200	R5186	06/03/02	1300
09	V0ICV050	V0ICV050	R5188	06/03/02	1344
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID: R5189 BFB Injection Date: 06/03/02

Instrument ID: MSV0 BFB Injection Time: 1407

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	79.6
175	5.0 - 9.0% of mass 174	4.0 (5.0)1
176	95.0 - 101.0% of mass 174	76.3 (95.8)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD050	V0STD050	R5190	06/03/02	1440
02	42500	42500	R5191	06/03/02	1502
03	42499	42499	R5194	06/03/02	1648
04	005-49NS-S	20205292213	R5207T	06/03/02	2159
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID: R5213 BFB Injection Date: 06/04/02

Instrument ID: MSV0 BFB Injection Time: 0804

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	75.0
175	5.0 - 9.0% of mass 174	5.4 (7.2)1
176	95.0 - 101.0% of mass 174	72.1 (96.2)1
177	5.0 - 9.0% of mass 176	4.8 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD050	V0STD050	R5215	06/04/02	0916
02	42799	42799	R5216	06/04/02	0938
03	42800	42800	R5218	06/04/02	1029
04	TRIP BLANK	20205292214	R5219T	06/04/02	1059
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID (Standard): R5190 Date Analyzed: 06/03/02

Instrument ID: MSV0 Time Analyzed: 1440

GC Column: DB-624-30M ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1917653	5.90	836047	8.15	502234	9.76
	UPPER LIMIT	3835306	6.40	1672094	8.65	1004468	10.26
	LOWER LIMIT	958826	5.40	418024	7.65	251117	9.26
	EPA SAMPLE NO.						
01	42500	1608133	5.90	685679	8.15	351248	9.75
02	42499	1699763	5.91	721584	8.15	424920	9.75
03	005-49NS-S	1555295	5.91	694574	8.14	474451	9.74
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = FLUOROBENZENE
IS2 (CBZ) = CHLOROBENZENE-d5
IS3 (DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID (Standard): R5215 Date Analyzed: 06/04/02

Instrument ID: MSV0 Time Analyzed: 0916

GC Column: DB-624-30M ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1570019	5.90	743621	8.15	522843	9.74
	UPPER LIMIT	3140038	6.40	1487242	8.65	1045686	10.24
	LOWER LIMIT	785010	5.40	371810	7.65	261422	9.24
	EPA SAMPLE NO.						
01	42799	1545207	5.90	727550	8.14	502771	9.74
02	42800	1461959	5.90	575411	8.14	405394	9.74
03	TRIP BLANK	1347490	5.90	568955	8.14	399535	9.74
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = FLUOROBENZENE
IS2 (CBZ) = CHLOROBENZENE-d5
IS3 (DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 8260B, TCLP Volatiles

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			40	06/03/2002 21:59	RSP	133838

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
75-35-4	1,1-Dichloroethene	ND	0.200	0.019	mg/L
107-06-2	1,2-Dichloroethane	ND	0.200	0.017	mg/L
78-93-3	2-Butanone	ND	1.00	0.022	mg/L
71-43-2	Benzene	ND	0.200	0.017	mg/L
56-23-5	Carbon tetrachloride	ND	0.200	0.014	mg/L
108-90-7	Chlorobenzene	ND	0.200	0.018	mg/L
67-66-3	Chloroform	ND	0.200	0.018	mg/L
127-18-4	Tetrachloroethene	ND	0.200	0.016	mg/L
79-01-6	Trichloroethene	ND	0.200	0.017	mg/L
75-01-4	Vinyl chloride	ND	0.200	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	2000	2060 ug/L	103	78 - 115
1868-53-7	Dibromofluoromethane	2000	2310 ug/L	116	70 - 130
2037-26-5	Toluene d8	2000	1940 ug/L	97	83 - 112
17060-07-0	1,2-Dichloroethane-d4	2000	2280 ug/L	114	76 - 128

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292214	TRIP BLANK	Water		05/29/2002 10:00	05/29/2002 10:00

SW-846 8260B, TCLP Volatiles

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			40	06/04/2002 10:59	RSP	134427

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
75-35-4	1,1-Dichloroethene	ND	0.200	0.019	mg/L
107-06-2	1,2-Dichloroethane	ND	0.200	0.017	mg/L
78-93-3	2-Butanone	ND	1.00	0.022	mg/L
71-43-2	Benzene	ND	0.200	0.017	mg/L
56-23-5	Carbon tetrachloride	ND	0.200	0.014	mg/L
108-90-7	Chlorobenzene	ND	0.200	0.018	mg/L
67-66-3	Chloroform	ND	0.200	0.018	mg/L
127-18-4	Tetrachloroethene	ND	0.200	0.016	mg/L
79-01-6	Trichloroethene	ND	0.200	0.017	mg/L
75-01-4	Vinyl chloride	ND	0.200	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	2000	1940 ug/L	97	78 - 115
1868-53-7	Dibromofluoromethane	2000	2260 ug/L	113	70 - 130
2037-26-5	Toluene d8	2000	1960 ug/L	98	83 - 112
17060-07-0	1,2-Dichloroethane-d4	2000	2230 ug/L	112	76 - 128

RESULTS REPORTED ON A WET WEIGHT BASIS

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane *	0.490	0.605	0.741	0.960	0.920		*
Chloromethane ++ *	0.153	0.166	0.189	0.173	0.183		*
Vinyl Chloride + *	0.140	0.157	0.195	0.199	0.201		*
Bromomethane *	0.105	0.120	0.124	0.126	0.116		*
Chloroethane	0.097	0.112	0.110	0.095	0.096		
Trichlorofluoromethane *	0.316	0.385	0.449	0.435	0.219		*
Acrolein *	0.008	0.007	0.010	0.010	0.009		*
1,1-Dichloroethene + *	0.126	0.148	0.176	0.176	0.183		*
1,1,2Trichlorotrifluoroethan *	0.141	0.186	0.213	0.216	0.229		*
Acetone *	0.080	0.081	0.065	0.072	0.073		*
Methyl Iodide *	0.324	0.372	0.419	0.419	0.438		*
Carbon Disulfide *	0.555	0.567	0.656	0.656	0.696		*
Methylene Chloride *	0.318	0.276	0.293	0.287	0.289		*
Acrylonitrile *	0.074	0.075	0.081	0.082	0.083		*
trans-1,2-Dichloroethene *	0.263	0.290	0.331	0.328	0.332		*
MTBE *	0.583	0.684	0.784	0.792	0.816		*
1,1-Dichloroethane ++ *	0.370	0.405	0.440	0.440	0.450		*
Vinyl Acetate *	0.174	0.179	0.198	0.197	0.207		*
cis-1,2-Dichloroethene *	0.348	0.389	0.427	0.427	0.433		*
2,2-Dichloropropane *	0.336	0.386	0.429	0.428	0.439		*
2-Butanone *	0.122	0.120	0.102	0.107	0.110		*
Bromochloromethane *	0.116	0.133	0.150	0.150	0.160		*
Chloroform + *	0.466	0.485	0.525	0.521	0.536		*
1,1,1-Trichloroethane *	0.386	0.438	0.494	0.491	0.508		*
Total 1,2-Dichloroethene *	0.204	0.226	0.253	0.252	0.255		*
1,1-Dichloropropene *	0.260	0.300	0.347	0.352	0.367		*
Carbon Tetrachloride *	0.322	0.389	0.450	0.452	0.465		*
1,2-Dichloroethane *	0.421	0.436	0.480	0.470	0.465		*
Benzene *	0.809	0.903	0.981	0.984	0.970		*
Trichloroethene *	0.203	0.234	0.262	0.264	0.285		*
1,2-Dichloropropane + *	0.194	0.217	0.228	0.228	0.228		*
Dibromomethane *	0.133	0.151	0.162	0.163	0.171		*
Bromodichloromethane *	0.314	0.361	0.397	0.397	0.408		*
2-Chloroethyl vinyl ether *	0.099	0.130	0.151	0.152	0.168		*
cis-1,3-Dichloropropene *	0.301	0.366	0.426	0.424	0.440		*
4-methyl-2-pentanone *	0.031	0.215	0.220	0.227	0.235		*
Toluene + *	0.764	0.850	0.952	0.971	1.039		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
trans-1,3-Dichloropropene	*	0.308	0.372	0.426	0.440	0.454			*
1,1,2-Trichloroethane	*	0.180	0.188	0.209	0.215	0.224			*
1,3-Dichloropropane	*	0.301	0.338	0.382	0.378	0.387			*
Tetrachloroethene	*	0.148	0.170	0.199	0.205	0.228			*
2-Hexanone	*	0.351	0.364	0.362	0.334	0.394			*
Dibromochloromethane	*	0.621	0.694	0.728	0.688	0.805			*
1,2-Dibromoethane(EDB)	*	0.495	0.538	0.565	0.533	0.623			*
Chlorobenzene ++	*	1.501	1.582	1.597	1.486	1.756			*
1,1,1,2-Tetrachloroethane	*	0.592	0.628	0.654	0.612	0.714			*
Ethylbenzene +	*	0.686	0.742	0.762	0.535	0.839			*
p,m-Xylene	*	0.862	0.959	0.954	0.714	0.986			*
o-Xylene	*	0.818	0.929	0.887	0.561	0.870			*
Styrene	*	1.412	1.657	1.622	1.084	1.661			*
Bromoform ++	*	0.423	0.440	0.481	0.450	0.539			*
Isopropylbenzene	*	2.263	2.581	2.704	2.135	2.878			*
1,1,2,2-Tetrachloroethane++	*	0.816	0.782	0.890	1.222	1.137			*
trans-1,4-Dichloro-2-Butene	*	0.237	0.247	0.291	0.400	0.334			*
1,2,3-Trichloropropane	*	1.176	1.180	1.312	1.724	1.585			*
Bromobenzene	*	1.876	1.922	2.120	2.650	2.665			*
n-Propylbenzene	*	3.194	3.561	3.853	3.644	4.318			*
2-Chlorotoluene	*	2.468	2.681	2.641	2.407	2.808			*
1,3,5-Trimethylbenzene	*	2.007	2.180	2.116	2.196	1.612			*
4-Chlorotoluene	*	2.475	2.579	2.815	2.398	2.702			*
tert-butylbenzene	*	1.710	1.912	2.044	1.994	2.169			*
1,2,4-Trimethylbenzene	*	2.043	2.193	2.087	2.256	1.707			*
sec-Butylbenzene	*	2.830	3.242	3.585	3.403	3.648			*
p-Isopropyltoluene	*	2.261	2.584	2.805	2.730	3.026			*
1,3-Dichlorobenzene	*	1.438	1.475	1.512	1.434	1.543			*
1,4-Dichlorobenzene	*	1.582	1.615	1.683	1.556	1.591			*
TOTAL XYLENE	*	0.847	0.949	0.932	0.663	0.947			*
n-Butylbenzene	*	1.989	2.071	2.116	2.302	1.845			*
1,2-Dichlorobenzene	*	1.374	1.396	1.479	1.420	1.431			*
1,2-Dibromo-3-Chloropropane	*	0.188	0.176	0.209	0.283	0.288			*
1,2,4-Trichlorobenzene	*	0.669	0.722	0.766	0.957	0.897			*
Hexachlorobutadiene	*	0.548	0.565	0.635	0.702	0.695			*
Naphthalene	*	1.546	1.680	1.774	2.172	2.081			*
1,2,3-Trichlorobenzene	*	0.640	0.653	0.721	0.885	0.853			*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Hexane *	0.254	0.273	0.316	0.318	0.340		*
Cyclohexane *	0.255	0.334	0.397	0.401	0.425		*
Methyl Acetate *	0.146	0.171	0.181	0.170	0.175		*
Methyl Cyclohexane *	0.227	0.320	0.370	0.381	0.402		*
Dibromofluoromethane *	0.301	0.293	0.311	0.326	0.328		*
1,2-Dichloroethane-d4 *	0.176	0.178	0.191	0.200	0.200		*
Toluene-d8 *	2.182	2.136	2.046	2.011	2.318		*
Bromofluorobenzene *	0.861	0.854	0.900	1.098	1.218		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *						0.743	27.0*
Chloromethane ++ *			0.169			0.172	7.4*
Vinyl Chloride + *			0.125		0.112	0.161	23.2*
Bromomethane *			0.144	0.178		0.130	18.4*
Chloroethane						0.102	8.1
Trichlorofluoromethane *						0.361	26.3*
Acrolein *						0.009	13.4*
1,1-Dichloroethene + *						0.162	14.9*
1,1,2Trichlorotrifluoroethan *						0.197	17.6*
Acetone *						0.074	9.1*
Methyl Iodide *						0.394	11.8*
Carbon Disulfide *						0.626	9.9*
Methylene Chloride *						0.293	5.3*
Acrylonitrile *						0.079	5.0*
trans-1,2-Dichloroethene *						0.309	10.0*
MTBE *						0.732	13.3*
1,1-Dichloroethane ++ *						0.421	7.9*
Vinyl Acetate *						0.191	7.3*
cis-1,2-Dichloroethene *						0.405	9.0*
2,2-Dichloropropane *						0.404	10.6*
2-Butanone *						0.112	7.6*
Bromochloromethane *						0.142	12.3*
Chloroform + *						0.507	5.9*
1,1,1-Trichloroethane *						0.463	10.9*
Total 1,2-Dichloroethene *			0.237			0.238	8.4*
1,1-Dichloropropene *						0.325	13.6*
Carbon Tetrachloride *			0.355			0.406	14.6*
1,2-Dichloroethane *			0.696			0.495	20.5*
Benzene *				1.380		1.004	19.5*
Trichloroethene *			0.276			0.254	12.0*
1,2-Dichloropropane + *						0.219	6.8*
Dibromomethane *						0.156	9.5*
Bromodichloromethane *			0.496		0.457	0.404	14.8*
2-Chloroethyl vinyl ether *						0.140	18.9*
cis-1,3-Dichloropropene *						0.391	14.8*
4-methyl-2-pentanone *						0.186	46.6*
Toluene + *						0.915	11.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
trans-1,3-Dichloropropene *						0.400	15.1*
1,1,2-Trichloroethane *						0.203	9.2*
1,3-Dichloropropane *						0.357	10.3*
Tetrachloroethene *			0.176			0.188	15.4*
2-Hexanone *						0.361	6.1*
Dibromochloromethane *			1.058		0.875	0.781	18.9*
1,2-Dibromoethane(EDB) *			0.859		0.675	0.612	20.3*
Chlorobenzene ++ *						1.584	6.8*
1,1,1,2-Tetrachloroethane *						0.640	7.4*
Ethylbenzene + *						0.713	15.9*
p,m-Xylene *						0.895	12.4*
o-Xylene *						0.813	18.0*
Styrene *						1.487	16.6*
Bromoform ++ *			0.733			0.511	22.8*
Isopropylbenzene *						2.512	12.3*
1,1,2,2-Tetrachloroethane++ *			1.229		1.621	1.100	27.0*
trans-1,4-Dichloro-2-Butene *						0.302	22.2*
1,2,3-Trichloropropane *						1.395	17.8*
Bromobenzene *						2.247	17.2*
n-Propylbenzene *						3.714	11.1*
2-Chlorotoluene *						2.601	6.3*
1,3,5-Trimethylbenzene *						2.022	11.9*
4-Chlorotoluene *						2.594	6.5*
tert-butylbenzene *						1.966	8.7*
1,2,4-Trimethylbenzene *						2.057	10.4*
sec-Butylbenzene *						3.342	9.8*
p-Isopropyltoluene *						2.681	10.6*
1,3-Dichlorobenzene *						1.480	3.2*
1,4-Dichlorobenzene *						1.605	3.0*
TOTAL XYLENE *						0.868	14.0*
n-Butylbenzene *						2.065	8.1*
1,2-Dichlorobenzene *						1.420	2.8*
1,2-Dibromo-3-Chloropropane *			0.311		0.394	0.264	29.5*
1,2,4-Trichlorobenzene *						0.802	15.1*
Hexachlorobutadiene *						0.629	11.4*
Naphthalene *						1.851	14.4*
1,2,3-Trichlorobenzene *						0.750	15.1*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Hexane *						0.300	11.9*
Cyclohexane *						0.362	19.0*
Methyl Acetate *						0.169	7.9*
Methyl Cyclohexane *						0.340	20.6*
Dibromofluoromethane *				0.351	0.304	0.316	6.3*
1,2-Dichloroethane-d4 *			0.183	0.208	0.174	0.189	6.9*
Toluene-d8 *			2.163	2.156	2.178	2.149	4.3*
Bromofluorobenzene *			0.864	0.872	0.891	0.945	14.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.743	0.814		-9.6	50.0
Chloromethane ++	0.172	0.171	0.100	0.6	50.0
Vinyl Chloride +	0.161	0.174		-8.1	20.0
Bromomethane	0.130	0.126		3.1	50.0
Chloroethane	0.102	0.098		3.9	
Trichlorofluoromethane	0.361	0.378		-4.7	50.0
Acrolein	0.009	0.009		0.0	50.0
1,1-Dichloroethene +	0.162	0.159		1.8	20.0
1,1,2Trichlorotrifluoroethan	0.197	0.181		8.1	50.0
Acetone	0.074	0.084		-13.5	50.0
Methyl Iodide	0.394	0.405		-2.8	50.0
Carbon Disulfide	0.626	0.600		4.2	50.0
Methylene Chloride	0.293	0.284		3.1	50.0
Acrylonitrile	0.079	0.083		-5.1	50.0
trans-1,2-Dichloroethene	0.309	0.302		2.3	50.0
MTBE	0.732	0.804		-9.8	50.0
1,1-Dichloroethane ++	0.421	0.413	0.100	1.9	50.0
Vinyl Acetate	0.191	0.163		14.6	50.0
cis-1,2-Dichloroethene	0.405	0.404		0.2	50.0
2,2-Dichloropropane	0.404	0.371		8.2	50.0
2-Butanone	0.112	0.116		-3.6	50.0
Bromochloromethane	0.142	0.153		-7.7	50.0
Chloroform +	0.507	0.502		1.0	20.0
1,1,1-Trichloroethane	0.463	0.439		5.2	50.0
Total 1,2-Dichloroethene	0.238	0.235		1.3	50.0
1,1-Dichloropropene	0.325	0.312		4.0	50.0
Carbon Tetrachloride	0.406	0.392		3.4	50.0
1,2-Dichloroethane	0.495	0.479		3.2	50.0
Benzene	1.004	0.945		5.9	50.0
Trichloroethene	0.254	0.258		-1.6	50.0
1,2-Dichloropropane +	0.219	0.230		-5.0	20.0
Dibromomethane	0.156	0.170		-9.0	50.0
Bromodichloromethane	0.404	0.396		2.0	50.0
2-Chloroethyl vinyl ether	0.140	0.158		-12.8	50.0
cis-1,3-Dichloropropene	0.391	0.422		-7.9	50.0
4-methyl-2-pentanone	0.186	0.230		-23.6	50.0
Toluene +	0.915	0.910		0.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.400	0.433		-8.2	50.0
1,1,2-Trichloroethane	0.203	0.225		-10.8	50.0
1,3-Dichloropropane	0.357	0.398		-11.5	50.0
Tetrachloroethene	0.188	0.186		1.1	50.0
2-Hexanone	0.361	0.359		0.6	50.0
Dibromochloromethane	0.781	0.723		7.4	50.0
1,2-Dibromoethane(EDB)	0.612	0.571		6.7	50.0
Chlorobenzene ++	1.584	1.508	0.300	4.8	50.0
1,1,1,2-Tetrachloroethane	0.640	0.631		1.4	50.0
Ethylbenzene +	0.713	0.591		17.1	20.0
p,m-Xylene	0.895	0.699		21.9	50.0
o-Xylene	0.813	0.601		26.1	50.0
Styrene	1.487	1.177		20.8	50.0
Bromoform ++	0.511	0.479	0.100	6.3	50.0
Isopropylbenzene	2.512	2.182		13.1	50.0
1,1,2,2-Tetrachloroethane++	1.100	1.190	0.300	-8.2	50.0
trans-1,4-Dichloro-2-Butene	0.302	0.373		-23.5	50.0
1,2,3-Trichloropropane	1.395	1.721		-23.4	50.0
Bromobenzene	2.247	2.582		-14.9	50.0
n-Propylbenzene	3.714	3.343		10.0	50.0
2-Chlorotoluene	2.601	2.324		10.6	50.0
1,3,5-Trimethylbenzene	2.022	2.146		-6.1	50.0
4-Chlorotoluene	2.594	2.338		9.9	50.0
tert-butylbenzene	1.966	1.863		5.2	50.0
1,2,4-Trimethylbenzene	2.057	2.263		-10.0	50.0
sec-Butylbenzene	3.342	3.053		8.6	50.0
p-Isopropyltoluene	2.681	2.550		4.9	50.0
1,3-Dichlorobenzene	1.480	1.403		5.2	50.0
1,4-Dichlorobenzene	1.605	1.542		3.9	50.0
TOTAL XYLENE	0.868	0.666		23.3	50.0
n-Butylbenzene	2.065	2.142		-3.7	50.0
1,2-Dichlorobenzene	1.420	1.425		-0.4	50.0
1,2-Dibromo-3-Chloropropane	0.264	0.282		-6.8	50.0
1,2,4-Trichlorobenzene	0.802	1.054		-31.4	50.0
Hexachlorobutadiene	0.629	0.637		-1.3	50.0
Naphthalene	1.851	2.490		-34.5	50.0
1,2,3-Trichlorobenzene	0.750	1.011		-34.8	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Hexane	0.300	0.151	0.050	49.7	50.0
Cyclohexane	0.362	0.344	0.050	5.0	50.0
Methyl Acetate	0.169	0.174	0.050	-3.0	50.0
Methyl Cyclohexane	0.340	0.329	0.050	3.2	50.0
Dibromofluoromethane	0.316	0.326		-3.2	50.0
1,2-Dichloroethane-d4	0.189	0.197		-4.2	50.0
Toluene-d8	2.149	2.117		1.5	50.0
Bromofluorobenzene	0.945	1.128		-19.4	50.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.743	0.816		-9.8	50.0
Chloromethane ++	0.172	0.182	0.100	-5.8	50.0
Vinyl Chloride +	0.161	0.188		-16.8	20.0
Bromomethane	0.130	0.121		6.9	50.0
Chloroethane	0.102	0.102		0.0	
Trichlorofluoromethane	0.361	0.417		-15.5	50.0
Acrolein	0.009	0.012		-33.3	50.0
1,1-Dichloroethene +	0.162	0.172		-6.2	20.0
1,1,2Trichlorotrifluoroethan	0.197	0.216		-9.6	50.0
Acetone	0.074	0.074		0.0	50.0
Methyl Iodide	0.394	0.426		-8.1	50.0
Carbon Disulfide	0.626	0.625		0.2	50.0
Methylene Chloride	0.293	0.281		4.1	50.0
Acrylonitrile	0.079	0.084		-6.3	50.0
trans-1,2-Dichloroethene	0.309	0.317		-2.6	50.0
MTBE	0.732	0.784		-7.1	50.0
1,1-Dichloroethane ++	0.421	0.422	0.100	-0.2	50.0
Vinyl Acetate	0.191	0.188		1.6	50.0
cis-1,2-Dichloroethene	0.405	0.419		-3.4	50.0
2,2-Dichloropropane	0.404	0.437		-8.2	50.0
2-Butanone	0.112	0.110		1.8	50.0
Bromochloromethane	0.142	0.152		-7.0	50.0
Chloroform +	0.507	0.511		-0.8	20.0
1,1,1-Trichloroethane	0.463	0.456		1.5	50.0
Total 1,2-Dichloroethene	0.238	0.245		-2.9	50.0
1,1-Dichloropropene	0.325	0.332		-2.2	50.0
Carbon Tetrachloride	0.406	0.415		-2.2	50.0
1,2-Dichloroethane	0.495	0.442		10.7	50.0
Benzene	0.951	0.912		4.1	50.0
Trichloroethene	0.254	0.244		3.9	50.0
1,2-Dichloropropane +	0.219	0.225		-2.7	20.0
Dibromomethane	0.156	0.162		-3.8	50.0
Bromodichloromethane	0.396	0.388		2.0	50.0
2-Chloroethyl vinyl ether	0.140	0.155		-10.7	50.0
cis-1,3-Dichloropropene	0.391	0.421		-7.7	50.0
4-methyl-2-pentanone	0.186	0.222		-19.4	50.0
Toluene +	0.915	0.936		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.400	0.435		-8.8	50.0
1,1,2-Trichloroethane	0.203	0.213		-4.9	50.0
1,3-Dichloropropane	0.357	0.389		-9.0	50.0
Tetrachloroethene	0.188	0.197		-4.8	50.0
2-Hexanone	0.361	0.349		3.3	50.0
Dibromochloromethane	0.781	0.700		10.4	50.0
1,2-Dibromoethane(EDB)	0.612	0.552		9.8	50.0
Chlorobenzene ++	1.584	1.524	0.300	3.8	50.0
1,1,1,2-Tetrachloroethane	0.640	0.629		1.7	50.0
Ethylbenzene +	0.713	0.703		1.4	20.0
p,m-Xylene	0.895	0.792		11.5	50.0
o-Xylene	0.813	0.726		10.7	50.0
Styrene	1.487	1.386		6.8	50.0
Bromoform ++	0.511	0.468	0.100	8.4	50.0
Isopropylbenzene	2.512	2.383		5.1	50.0
1,1,2,2-Tetrachloroethane++	1.100	1.112	0.300	-1.1	50.0
trans-1,4-Dichloro-2-Butene	0.302	0.356		-17.9	50.0
1,2,3-Trichloropropane	1.395	1.554		-11.4	50.0
Bromobenzene	2.247	2.382		-6.0	50.0
n-Propylbenzene	3.714	3.667		1.3	50.0
2-Chlorotoluene	2.601	2.479		4.7	50.0
1,3,5-Trimethylbenzene	2.022	2.037		-0.7	50.0
4-Chlorotoluene	2.594	2.559		1.3	50.0
tert-butylbenzene	1.966	1.964		0.1	50.0
1,2,4-Trimethylbenzene	2.057	2.112		-2.7	50.0
sec-Butylbenzene	3.342	3.329		0.4	50.0
p-Isopropyltoluene	2.681	2.707		-1.0	50.0
1,3-Dichlorobenzene	1.480	1.352		8.6	50.0
1,4-Dichlorobenzene	1.605	1.672		-4.2	50.0
TOTAL XYLENE	0.868	0.770		11.3	50.0
n-Butylbenzene	2.065	2.071		-0.3	50.0
1,2-Dichlorobenzene	1.420	1.396		1.7	50.0
1,2-Dibromo-3-Chloropropane	0.264	0.248		6.1	50.0
1,2,4-Trichlorobenzene	0.802	0.934		-16.4	50.0
Hexachlorobutadiene	0.629	0.663		-5.4	50.0
Naphthalene	1.851	2.119		-14.5	50.0
1,2,3-Trichlorobenzene	0.750	0.874		-16.5	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Hexane	0.300	0.306	0.050	-2.0	50.0
Cyclohexane	0.362	0.383	0.050	-5.8	50.0
Methyl Acetate	0.169	0.170	0.050	-0.6	50.0
Methyl Cyclohexane	0.340	0.368	0.050	-8.2	50.0
Dibromofluoromethane	0.316	0.333		-5.4	50.0
1,2-Dichloroethane-d4	0.189	0.203		-7.4	50.0
Toluene-d8	2.149	2.101		2.2	50.0
Bromofluorobenzene	0.986	1.078		-9.3	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/04/02 Time: 0916

Lab File ID: R5215 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.743	0.691		7.0	50.0
Chloromethane ++	0.172	0.190	0.100	-10.5	50.0
Vinyl Chloride +	0.161	0.190		-18.0	20.0
Bromomethane	0.130	0.157		-20.8	50.0
Chloroethane	0.102	0.109		-6.9	
Trichlorofluoromethane	0.361	0.494		-36.8	50.0
Acrolein	0.009	0.010		-11.1	50.0
1,1-Dichloroethene +	0.162	0.184		-13.6	20.0
1,1,2Trichlorotrifluoroethan	0.197	0.222		-12.7	50.0
Acetone	0.074	0.075		-1.4	50.0
Methyl Iodide	0.394	0.481		-22.1	50.0
Carbon Disulfide	0.626	0.663		-5.9	50.0
Methylene Chloride	0.293	0.318		-8.5	50.0
Acrylonitrile	0.079	0.083		-5.1	50.0
trans-1,2-Dichloroethene	0.309	0.350		-13.3	50.0
MTBE	0.732	0.866		-18.3	50.0
1,1-Dichloroethane ++	0.421	0.475	0.100	-12.8	50.0
Vinyl Acetate	0.191	0.186		2.6	50.0
cis-1,2-Dichloroethene	0.405	0.467		-15.3	50.0
2,2-Dichloropropane	0.404	0.491		-21.5	50.0
2-Butanone	0.112	0.106		5.4	50.0
Bromochloromethane	0.142	0.159		-12.0	50.0
Chloroform +	0.507	0.589		-16.2	20.0
1,1,1-Trichloroethane	0.463	0.544		-17.5	50.0
Total 1,2-Dichloroethene	0.238	0.272		-14.3	50.0
1,1-Dichloropropene	0.325	0.360		-10.8	50.0
Carbon Tetrachloride	0.406	0.493		-21.4	50.0
1,2-Dichloroethane	0.495	0.509		-2.8	50.0
Benzene	0.951	0.911		4.2	50.0
Trichloroethene	0.254	0.264		-3.9	50.0
1,2-Dichloropropane +	0.219	0.231		-5.5	20.0
Dibromomethane	0.156	0.173		-10.9	50.0
Bromodichloromethane	0.396	0.439		-10.8	50.0
2-Chloroethyl vinyl ether	0.140	0.147		-5.0	50.0
cis-1,3-Dichloropropene	0.391	0.438		-12.0	50.0
4-methyl-2-pentanone	0.186	0.216		-16.1	50.0
Toluene +	0.915	0.993		-8.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/04/02 Time: 0916

Lab File ID: R5215 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.400	0.468		-17.0	50.0
1,1,2-Trichloroethane	0.203	0.222		-9.4	50.0
1,3-Dichloropropane	0.357	0.398		-11.5	50.0
Tetrachloroethene	0.188	0.209		-11.2	50.0
2-Hexanone	0.361	0.323		10.5	50.0
Dibromochloromethane	0.781	0.707		9.5	50.0
1,2-Dibromoethane(EDB)	0.612	0.528		13.7	50.0
Chlorobenzene ++	1.584	1.498	0.300	5.4	50.0
1,1,1,2-Tetrachloroethane	0.640	0.646		-0.9	50.0
Ethylbenzene +	0.713	0.644		9.7	20.0
p,m-Xylene	0.895	0.843		5.8	50.0
o-Xylene	0.813	0.755		7.1	50.0
Styrene	1.487	1.388		6.6	50.0
Bromoform ++	0.511	0.466	0.100	8.8	50.0
Isopropylbenzene	2.512	2.422		3.6	50.0
1,1,2,2-Tetrachloroethane++	1.100	0.870	0.300	20.9	50.0
trans-1,4-Dichloro-2-Butene	0.302	0.280		7.3	50.0
1,2,3-Trichloropropane	1.395	1.248		10.5	50.0
Bromobenzene	2.247	2.058		8.4	50.0
n-Propylbenzene	3.714	3.448		7.2	50.0
2-Chlorotoluene	2.601	2.431		6.5	50.0
1,3,5-Trimethylbenzene	2.022	2.034		-0.6	50.0
4-Chlorotoluene	2.594	2.686		-3.5	50.0
tert-butylbenzene	1.966	1.935		1.6	50.0
1,2,4-Trimethylbenzene	2.057	2.030		1.3	50.0
sec-Butylbenzene	3.342	3.223		3.6	50.0
p-Isopropyltoluene	2.681	2.574		4.0	50.0
1,3-Dichlorobenzene	1.480	1.370		7.4	50.0
1,4-Dichlorobenzene	1.605	1.687		-5.1	50.0
TOTAL XYLENE	0.868	0.814		6.2	50.0
n-Butylbenzene	2.065	2.035		1.4	50.0
1,2-Dichlorobenzene	1.420	1.397		1.6	50.0
1,2-Dibromo-3-Chloropropane	0.264	0.207		21.6	50.0
1,2,4-Trichlorobenzene	0.802	0.794		1.0	50.0
Hexachlorobutadiene	0.629	0.636		-1.1	50.0
Naphthalene	1.851	1.710		7.6	50.0
1,2,3-Trichlorobenzene	0.750	0.735		2.0	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSV0 Calibration Date: 06/04/02 Time: 0916

Lab File ID: R5215 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Hexane	0.300	0.160	0.050	46.7	50.0
Cyclohexane	0.362	0.377	0.050	-4.1	50.0
Methyl Acetate	0.169	0.208	0.050	-23.1	50.0
Methyl Cyclohexane	0.340	0.355	0.050	-4.4	50.0
Dibromofluoromethane	0.316	0.360		-13.9	50.0
1,2-Dichloroethane-d4	0.189	0.213		-12.7	50.0
Toluene-d8	2.149	2.031		5.5	50.0
Bromofluorobenzene	0.945	0.940		0.5	50.0

All other compounds must meet a minimum RRF of 0.010.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42499	Method Blank	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/03/2002 16:48	KRV	133838

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	ND	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	ND	0.005	0.020	mg/L
78-93-3	2-Butanone	ND	0.025	0.020	mg/L
71-43-2	Benzene	ND	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	ND	0.005	0.020	mg/L
108-90-7	Chlorobenzene	ND	0.005	0.020	mg/L
67-66-3	Chloroform	ND	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	ND	0.005	0.020	mg/L
79-01-6	Trichloroethene	ND	0.005	0.020	mg/L
75-01-4	Vinyl chloride	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	56.3 ug/L	113	78 - 115
1868-53-7	Dibromofluoromethane	50	54.9 ug/L	110	70 - 130
2037-26-5	Toluene d8	50	50 ug/L	100	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	54.8 ug/L	110	76 - 128

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42800	Method Blank	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/04/2002 10:29	RSP	134427

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	ND	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	ND	0.005	0.020	mg/L
78-93-3	2-Butanone	ND	0.025	0.020	mg/L
71-43-2	Benzene	ND	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	ND	0.005	0.020	mg/L
108-90-7	Chlorobenzene	ND	0.005	0.020	mg/L
67-66-3	Chloroform	ND	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	ND	0.005	0.020	mg/L
79-01-6	Trichloroethene	ND	0.005	0.020	mg/L
75-01-4	Vinyl chloride	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	48.4 ug/L	97	78 - 115
1868-53-7	Dibromofluoromethane	50	53.1 ug/L	106	70 - 130
2037-26-5	Toluene d8	50	49.9 ug/L	100	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	52 ug/L	104	76 - 128

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42500	Lab Control Sample	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/03/2002 15:02	RSP	133838

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	0.059	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	0.049	0.005	0.020	mg/L
78-93-3	2-Butanone	0.057	0.025	0.020	mg/L
71-43-2	Benzene	0.054	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	0.057	0.005	0.020	mg/L
108-90-7	Chlorobenzene	0.053	0.005	0.020	mg/L
67-66-3	Chloroform	0.054	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	0.056	0.005	0.020	mg/L
79-01-6	Trichloroethene	0.054	0.005	0.020	mg/L
75-01-4	Vinyl chloride	0.065	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	59.6 ug/L	119 *	78 - 115
1868-53-7	Dibromofluoromethane	50	50.8 ug/L	102	70 - 130
2037-26-5	Toluene d8	50	49.3 ug/L	99	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	52.2 ug/L	104	76 - 128

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42799	Lab Control Sample	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/04/2002 09:38	RSP	134427

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	0.053	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	0.052	0.005	0.020	mg/L
78-93-3	2-Butanone	0.048	0.025	0.020	mg/L
71-43-2	Benzene	0.050	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	0.057	0.005	0.020	mg/L
108-90-7	Chlorobenzene	0.047	0.005	0.020	mg/L
67-66-3	Chloroform	0.056	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	0.054	0.005	0.020	mg/L
79-01-6	Trichloroethene	0.051	0.005	0.020	mg/L
75-01-4	Vinyl chloride	0.056	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	50.2 ug/L	100	78 - 115
1868-53-7	Dibromofluoromethane	50	56.5 ug/L	113	70 - 130
2037-26-5	Toluene d8	50	47 ug/L	94	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	57.3 ug/L	115	76 - 128

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 #	S8 #	TOT OUT
01	42048	93	84	89	32	42	81			0
02	42049	95	90	104	34	45	87			0
03	005-49A6-S	94	87	91	35	46	84			0
04	005-49A6-SMS	94	89	101	33	44	84			0
05	005-49A6-SMS	99	96	105	34	47	95			0
06	005-49A7-S	89	81	91	31	42	87			0
07	005-49A71-S	94	85	94	33	43	83			0
08	005-49A72-S	92	81	90	31	42	86			0
09	005-49A73-S	91	86	96	26	36	83			0
10	005-49A8-S	92	82	84	26	36	82			0
11	005-49A81-S	89	80	60	25	35	80			0
12	005-49A82-S	93	86	89	27	37	86			0
13	005-49A9-S	92	85	86	27	37	85			0
14	005-49A10-S	98	87	78	27	38	88			0
15	005-49A101-S	82	74	62	24	33	73			0
16	005-49A102-S	89	83	85	23	32	81			0
17	005-49NS-S	95	87	78	50	62	87			0
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(43-110)
S2 (FBP)	= 2-Fluorobiphenyl	(16-128)
S3 (TPH)	= Terphenyl-d14	(47-121)
S4 (PHL)	= Phenol-d5	(10- 76)
S5 (2FP)	= 2-Fluorophenol	(24- 96)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-133)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42049	ORIGINAL LAB ID:	PREP BATCH: 133432
	MATRIX Water	ANALYTICAL BATCH: 133930

SW-846 1311/8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
118-74-1	Hexachlorobenzene	0.1 mg/L	0.092	92	60 - 120
87-68-3	Hexachlorobutadiene	0.1 mg/L	0.068	68	60 - 120
67-72-1	Hexachloroethane	0.1 mg/L	0.069	69	45 - 135
95-48-7	o-Cresol	0.1 mg/L	0.062	62	30 - 150
98-95-3	Nitrobenzene	0.1 mg/L	0.088	88	60 - 120
95-95-4	2,4,5-Trichlorophenol	0.1 mg/L	0.081	81	45 - 135
88-06-2	2,4,6-Trichlorophenol	0.1 mg/L	0.083	83	45 - 135
110-86-1	Pyridine	0.1 mg/L	0.04	40	30 - 150
1319-77-3MP	m,p-Cresol	0.1 mg/L	0.058	58	30 - 150
106-46-7	1,4-Dichlorobenzene	0.1 mg/L	0.071	71	40 - 122
121-14-2	2,4-Dinitrotoluene	0.1 mg/L	0.087	87	60 - 124
87-86-5	Pentachlorophenol	0.1 mg/L	0.097	97	31 - 128

MS LAB ID: 42050	ORIGINAL LAB ID: 20205292201	PREP BATCH: 133432
	MATRIX Solid	ANALYTICAL BATCH: 133930

SW-846 1311/8270C

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
118-74-1	Hexachlorobenzene	0	0.5 mg/L	0.43	86	60 - 120
87-68-3	Hexachlorobutadiene	0	0.5 mg/L	0.317	63	60 - 120
67-72-1	Hexachloroethane	0	0.5 mg/L	0.329	66	45 - 135
95-48-7	o-Cresol	0	0.5 mg/L	0.302	60	30 - 150
98-95-3	Nitrobenzene	0	0.5 mg/L	0.406	81	60 - 120
95-95-4	2,4,5-Trichlorophenol	0	0.5 mg/L	0.381	76	45 - 135
88-06-2	2,4,6-Trichlorophenol	0	0.5 mg/L	0.397	79	45 - 135
110-86-1	Pyridine	0	0.5 mg/L	0.158	32	30 - 150
1319-77-3MP	m,p-Cresol	0	0.5 mg/L	0.288	58	30 - 150
106-46-7	1,4-Dichlorobenzene	0	0.5 mg/L	0.335	67	44 - 143
121-14-2	2,4-Dinitrotoluene	0	0.5 mg/L	0.425	85	61 - 148
87-86-5	Pentachlorophenol	0	0.5 mg/L	0.494	99	37 - 125

MSD LAB ID: 42051	ORIGINAL LAB ID: 20205292201	PREP BATCH: 133432
	MATRIX Solid	ANALYTICAL BATCH: 133930

SW-846 1311/8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
118-74-1	Hexachlorobenzene	0.5 mg/L	0.471	94	60 - 120	9	0 - 50
87-68-3	Hexachlorobutadiene	0.5 mg/L	0.346	69	60 - 120	9	0 - 50
67-72-1	Hexachloroethane	0.5 mg/L	0.354	71	45 - 135	7	0 - 50
95-48-7	o-Cresol	0.5 mg/L	0.319	64	30 - 150	6	0 - 50
98-95-3	Nitrobenzene	0.5 mg/L	0.459	92	60 - 120	13	0 - 50

QUALITY CONTROL SUMMARY

95-95-4	2,4,5-Trichlorophenol	0.5 mg/L	0.403	81	45 - 135	6	0 - 50
88-06-2	2,4,6-Trichlorophenol	0.5 mg/L	0.45	90	45 - 135	13	
110-86-1	Pyridine	0.5 mg/L	0.197	39	30 - 150	20	0 - 50
1319-77-3MP	m,p-Cresol	0.5 mg/L	0.304	61	30 - 150	5	0 - 50
106-46-7	1,4-Dichlorobenzene	0.5 mg/L	0.363	73	44 - 143	9	0 - 30
121-14-2	2,4-Dinitrotoluene	0.5 mg/L	0.435	87	61 - 148	2	0 - 33
87-86-5	Pentachlorophenol	0.5 mg/L	0.513	103	37 - 125	4	0 - 32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID: S0486 DFTPP Injection Date: 05/29/02

Instrument ID: MSSV2 DFTPP Injection Time: 1419

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.3
70	Less than 2.0% of mass 69	0.1 (0.4)1
127	40.0 - 60.0% of mass 198	45.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	16.4
365	Greater than 1.0% of mass 198	1.31
441	Present, but less than mass 443	8.2
442	40.0 - 100.0% of mass 198	52.9
443	17.0 - 23.0% of mass 442	10.2 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	S0487	05/29/02	1437
02	SSTD010	SSTD010	S0488	05/29/02	1505
03	SSTD080	SSTD080	S0489	05/29/02	1532
04	SSTD120	SSTD120	S0490	05/29/02	1600
05	SSTD160	SSTD160	S0491	05/29/02	1628
06	SSTD200	SSTD200	S0492	05/29/02	1655
07	SSTD001	SSTD001	S0493	05/29/02	1723
08	SSTD00.2	SSTD00.2	S0494	05/29/02	1750
09	ICV050	ICV050	S0495	05/29/02	1818
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID: S0567 DFTPP Injection Date: 06/03/02

Instrument ID: MSSV2 DFTPP Injection Time: 0729

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.3
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	47.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	16.1
365	Greater than 1.0% of mass 198	1.45
441	Present, but less than mass 443	8.1
442	40.0 - 100.0% of mass 198	53.0
443	17.0 - 23.0% of mass 442	10.0 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	S0568	06/03/02	0747
02	42048	42048	S0570	06/03/02	0842
03	42049	42049	S0571	06/03/02	0910
04	005-49A6-S	20205292201	S0572	06/03/02	0938
05	005-49A6-SMS	42050	S0573	06/03/02	1007
06	005-49A6-SMS	42051	S0574	06/03/02	1034
07	005-49A7-S	20205292202	S0575	06/03/02	1102
08	005-49A71-S	20205292203	S0576	06/03/02	1129
09	005-49A72-S	20205292204	S0577	06/03/02	1157
10	005-49A73-S	20205292205	S0578	06/03/02	1224
11	005-49A8-S	20205292206	S0579	06/03/02	1252
12	005-49A81-S	20205292207	S0580	06/03/02	1319
13	005-49A82-S	20205292208	S0581	06/03/02	1347
14	005-49A9-S	20205292209	S0582	06/03/02	1415
15	005-49A10-S	20205292210	S0583	06/03/02	1442
16	005-49A101-S	20205292211	S0584	06/03/02	1510
17	005-49A102-S	20205292212	S0585	06/03/02	1538
18	005-49NS-S	20205292213	S0586	06/03/02	1605
19					
20					
21					
22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID (Standard): S0568 Date Analyzed: 06/03/02

Instrument ID: MSSV2 Time Analyzed: 0747

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	753223	4.13	2609329	5.49	1137451	7.78
	UPPER LIMIT	1506446	4.63	5218658	5.99	2274902	8.28
	LOWER LIMIT	376612	3.63	1304664	4.99	568726	7.28
	EPA SAMPLE NO.						
01	42048	663980	4.12	2233620	5.48	1071074	7.78
02	42049	655768	4.13	2221188	5.49	1016325	7.78
03	005-49A6-S	644787	4.12	2204665	5.48	1039197	7.78
04	005-49A6-SMS	727387	4.13	2504964	5.49	1165249	7.79
05	005-49A6-SMS	662758	4.13	2244933	5.49	1065595	7.78
06	005-49A7-S	695659	4.12	2370054	5.48	1132286	7.78
07	005-49A71-S	660387	4.12	2266423	5.48	1090433	7.78
08	005-49A72-S	721894	4.12	2406484	5.48	1166442	7.78
09	005-49A73-S	757235	4.12	2572563	5.48	1259864	7.78
10	005-49A8-S	745236	4.12	2558869	5.48	1246236	7.78
11	005-49A81-S	669119	4.12	2275121	5.48	1089179	7.78
12	005-49A82-S	663919	4.12	2229672	5.48	1067447	7.78
13	005-49A9-S	669182	4.12	2281276	5.48	1100833	7.77
14	005-49A10-S	714464	4.12	2401683	5.48	1155770	7.78
15	005-49A101-S	688101	4.12	2353438	5.48	1115896	7.78
16	005-49A102-S	765610	4.12	2552991	5.48	1226765	7.78
17	005-49NS-S	743821	4.12	2525882	5.48	1222322	7.78
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Lab File ID (Standard): S0568 Date Analyzed: 06/03/02

Instrument ID: MSSV2 Time Analyzed: 0747

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1532694	9.86	992419	13.64	697035	16.00
	UPPER LIMIT	3065388	10.36	1984838	14.14	1394070	16.50
	LOWER LIMIT	766347	9.36	496210	13.14	348518	15.50
	EPA SAMPLE NO.						
01	42048	1349816	9.86	932833	13.63	708077	16.00
02	42049	1239701	9.88	773504	13.64	652618	16.02
03	005-49A6-S	1316378	9.87	855011	13.63	629353	15.99
04	005-49A6-SMS	1433632	9.88	870047	13.65	695214	16.01
05	005-49A6-SMS	1339951	9.88	806077	13.66	643921	16.02
06	005-49A7-S	1450348	9.86	961369	13.63	695236	16.00
07	005-49A71-S	1395674	9.87	918840	13.63	660917	15.99
08	005-49A72-S	1491603	9.86	982525	13.63	724777	16.00
09	005-49A73-S	1599270	9.86	958232	13.63	684496	16.00
10	005-49A8-S	1584580	9.87	989239	13.63	693945	15.99
11	005-49A81-S	1396415	9.87	927159	13.63	652498	15.99
12	005-49A82-S	1351043	9.86	896139	13.63	649580	16.00
13	005-49A9-S	1424395	9.87	952630	13.63	661618	15.99
14	005-49A10-S	1482271	9.87	974605	13.63	686232	15.99
15	005-49A101-S	1438978	9.87	932382	13.63	658868	16.01
16	005-49A102-S	1562895	9.86	985186	13.63	698329	16.00
17	005-49NS-S	1552207	9.86	969351	13.63	679514	16.00
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292201	005-49A6-S-0528-02	Solid	05/28/2002 09:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 09:38	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	235 ug/L	94	43 - 116
321-60-8	2-Fluorobiphenyl	250	217 ug/L	87	16 - 116
1718-51-0	Terphenyl-d14	250	228 ug/L	91	47 - 137
4165-62-2	Phenol-d5	500	173 ug/L	35	10 - 113
367-12-4	2-Fluorophenol	500	228 ug/L	46	24 - 106
118-79-6	2,4,6-Tribromophenol	500	419 ug/L	84	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292202	005-49A7-S-0528-02	Solid	05/28/2002 10:05	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 11:02	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	223 ug/L	89	43 - 116
321-60-8	2-Fluorobiphenyl	250	202 ug/L	81	16 - 116
1718-51-0	Terphenyl-d14	250	228 ug/L	91	47 - 137
4165-62-2	Phenol-d5	500	157 ug/L	31	10 - 113
367-12-4	2-Fluorophenol	500	208 ug/L	42	24 - 106
118-79-6	2,4,6-Tribromophenol	500	434 ug/L	87	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292203	005-49A71-S-0528-02	Solid	05/28/2002 10:20	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 11:29	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	236 ug/L	94	43 - 116
321-60-8	2-Fluorobiphenyl	250	212 ug/L	85	16 - 116
1718-51-0	Terphenyl-d14	250	236 ug/L	94	47 - 137
4165-62-2	Phenol-d5	500	165 ug/L	33	10 - 113
367-12-4	2-Fluorophenol	500	215 ug/L	43	24 - 106
118-79-6	2,4,6-Tribromophenol	500	415 ug/L	83	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292204	005-49A72-S-0528-02	Solid	05/28/2002 10:30	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 11:57	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	229 ug/L	92	43 - 116
321-60-8	2-Fluorobiphenyl	250	204 ug/L	82	16 - 116
1718-51-0	Terphenyl-d14	250	226 ug/L	90	47 - 137
4165-62-2	Phenol-d5	500	156 ug/L	31	10 - 113
367-12-4	2-Fluorophenol	500	208 ug/L	42	24 - 106
118-79-6	2,4,6-Tribromophenol	500	432 ug/L	86	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292205	005-49A73-S-0528-02	Solid	05/28/2002 10:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 12:24	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	227 ug/L	91	43 - 116
321-60-8	2-Fluorobiphenyl	250	215 ug/L	86	16 - 116
1718-51-0	Terphenyl-d14	250	241 ug/L	96	47 - 137
4165-62-2	Phenol-d5	500	132 ug/L	26	10 - 113
367-12-4	2-Fluorophenol	500	180 ug/L	36	24 - 106
118-79-6	2,4,6-Tribromophenol	500	415 ug/L	83	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292206	005-49A8-S-0528-02	Solid	05/28/2002 11:00	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 12:52	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	230 ug/L	92	43 - 116
321-60-8	2-Fluorobiphenyl	250	205 ug/L	82	16 - 116
1718-51-0	Terphenyl-d14	250	211 ug/L	84	47 - 137
4165-62-2	Phenol-d5	500	131 ug/L	26	10 - 113
367-12-4	2-Fluorophenol	500	180 ug/L	36	24 - 106
118-79-6	2,4,6-Tribromophenol	500	411 ug/L	82	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292207	005-49A81-S-0528-02	Solid	05/28/2002 11:20	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 13:19	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	223 ug/L	89	43 - 116
321-60-8	2-Fluorobiphenyl	250	200 ug/L	80	16 - 116
1718-51-0	Terphenyl-d14	250	151 ug/L	60	47 - 137
4165-62-2	Phenol-d5	500	124 ug/L	25	10 - 113
367-12-4	2-Fluorophenol	500	176 ug/L	35	24 - 106
118-79-6	2,4,6-Tribromophenol	500	400 ug/L	80	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292208	005-49A82-S-0528-02	Solid	05/28/2002 11:35	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 13:47	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	232 ug/L	93	43 - 116
321-60-8	2-Fluorobiphenyl	250	214 ug/L	86	16 - 116
1718-51-0	Terphenyl-d14	250	223 ug/L	89	47 - 137
4165-62-2	Phenol-d5	500	136 ug/L	27	10 - 113
367-12-4	2-Fluorophenol	500	184 ug/L	37	24 - 106
118-79-6	2,4,6-Tribromophenol	500	431 ug/L	86	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292209	005-49A9-S-0528-02	Solid	05/28/2002 12:35	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 14:15	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	230 ug/L	92	43 - 116
321-60-8	2-Fluorobiphenyl	250	212 ug/L	85	16 - 116
1718-51-0	Terphenyl-d14	250	215 ug/L	86	47 - 137
4165-62-2	Phenol-d5	500	133 ug/L	27	10 - 113
367-12-4	2-Fluorophenol	500	185 ug/L	37	24 - 106
118-79-6	2,4,6-Tribromophenol	500	427 ug/L	85	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292210	005-49A10-S-0528-02	Solid	05/28/2002 12:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 14:42	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	246 ug/L	98	43 - 116
321-60-8	2-Fluorobiphenyl	250	217 ug/L	87	16 - 116
1718-51-0	Terphenyl-d14	250	194 ug/L	78	47 - 137
4165-62-2	Phenol-d5	500	136 ug/L	27	10 - 113
367-12-4	2-Fluorophenol	500	192 ug/L	38	24 - 106
118-79-6	2,4,6-Tribromophenol	500	440 ug/L	88	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292211	005-49A101-S-0528-02	Solid	05/28/2002 12:55	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 15:10	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	204 ug/L	82	43 - 116
321-60-8	2-Fluorobiphenyl	250	185 ug/L	74	16 - 116
1718-51-0	Terphenyl-d14	250	155 ug/L	62	47 - 137
4165-62-2	Phenol-d5	500	121 ug/L	24	10 - 113
367-12-4	2-Fluorophenol	500	166 ug/L	33	24 - 106
118-79-6	2,4,6-Tribromophenol	500	366 ug/L	73	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292212	005-49A102-S-0528-02	Solid	05/28/2002 13:10	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 15:38	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	0.006J	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	223 ug/L	89	43 - 116
321-60-8	2-Fluorobiphenyl	250	207 ug/L	83	16 - 116
1718-51-0	Terphenyl-d14	250	214 ug/L	86	47 - 137
4165-62-2	Phenol-d5	500	117 ug/L	23	10 - 113
367-12-4	2-Fluorophenol	500	163 ug/L	33	24 - 106
118-79-6	2,4,6-Tribromophenol	500	403 ug/L	81	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 16:05	RLW	133930

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	237 ug/L	95	43 - 116
321-60-8	2-Fluorobiphenyl	250	218 ug/L	87	16 - 116
1718-51-0	Terphenyl-d14	250	194 ug/L	78	47 - 137
4165-62-2	Phenol-d5	500	252 ug/L	50	10 - 113
367-12-4	2-Fluorophenol	500	310 ug/L	62	24 - 106
118-79-6	2,4,6-Tribromophenol	500	435 ug/L	87	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF10 =S0488 RRF50 =S0487
RRF80 =S0489 RRF120=S0490 RRF160=S0491

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	RRF	% RSD
Phenol +	* 2.129	1.767	1.653	1.665	1.539		*
bis(-2-Chloroethyl)Ether	* 1.108	0.920	0.888	0.848	0.855		*
2-Chlorophenol	* 1.712	1.532	1.470	1.474	1.478		*
1,3-Dichlorobenzene	* 1.786	1.556	1.482	1.409	1.314		*
1,4-Dichlorobenzene +	* 1.810	1.575	1.393	1.302	1.230		*
1,2-Dichlorobenzene	* 1.706	1.493	1.392	1.310	1.106		*
2-Methylphenol	* 1.482	1.310	1.260	1.263	1.318		*
Bis(2-chloroisopropyl)ether	* 2.344	1.992	1.802	1.647	1.422		*
3- & 4-Methylphenol	* 1.507	1.302	1.233	1.172	1.109		*
N-Nitroso-di-n-propylamine++	* 0.967	0.762	0.714	0.697	0.609		*
Hexachloroethane	* 0.634	0.573	0.532	0.502	0.481		*
Nitrobenzene	* 0.391	0.347	0.315	0.319	0.299		*
Isophorone	* 0.851	0.726	0.702	0.693	0.691		*
2-Nitrophenol +	* 0.275	0.246	0.241	0.238	0.224		*
2,4-Dimethyphenol	* 0.430	0.367	0.340	0.326	0.317		*
2,4-Dichlorophenol +	* 0.356	0.319	0.304	0.285	0.271		*
1,2,4-Trichlorobenzene	* 0.382	0.331	0.304	0.291	0.270		*
Naphthalene	* 1.320	1.094	1.024	0.934	0.874		*
4-Chloroaniline	* 0.162	0.133	0.127	0.116	0.115		*
Hexachlorobutadiene +	* 0.186	0.163	0.148	0.135	0.128		*
bis(-2-Chloroethoxy)methane	* 0.586	0.493	0.445	0.443	0.412		*
4-Chloro-3-Methylphenol +	* 0.320	0.285	0.272	0.271	0.263		*
2-Methylnaphthalene	* 0.806	0.685	0.606	0.583	0.534		*
Hexachlorocyclopentadiene ++	* 0.371	0.365	0.354	0.346	0.314		*
2,4,6-Trichlorophenol +	* 0.474	0.408	0.398	0.402	0.399		*
2,4,5-Trichlorphenol	* 0.459	0.442	0.412	0.418	0.393		*
2-Chloronaphthalene	* 1.592	1.331	1.229	1.127	1.007		*
2-Nitroaniline	* 0.625	0.569	0.559	0.550	0.543		*
Dimethylphthalate	* 1.697	1.476	1.422	1.440	1.381		*
Acenaphthylene	* 2.612	2.211	2.057	1.944	1.821		*
2,6-Dinitrotoluene	* 0.412	0.388	0.386	0.377	0.356		*
3-Nitroaniline	* 0.487	0.441	0.420	0.437	0.412		*
Acenaphthene +	* 1.566	1.308	1.176	1.141	1.056		*
2,4-Dinitrophenol ++	*	0.168	0.198	0.222	0.228		*
4-Nitrophenol ++	* 0.114	0.118	0.113	0.117	0.115		*
Dibenzofuran	* 2.012	1.647	1.510	1.372	1.304		*
2,4-Dinitrotoluene	* 0.531	0.453	0.404	0.391	0.350		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF10 =S0488 RRF50 =S0487
RRF80 =S0489 RRF120=S0490 RRF160=S0491

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate *	1.594	1.384	1.317	1.258	1.139		*
4-Chlorophenyl-phenylether *	0.694	0.561	0.495	0.438	0.375		*
Fluorene *	1.570	1.246	1.118	1.020	0.914		*
4-Nitroaniline *	0.447	0.430	0.412	0.413	0.383		*
4,6-Dinitro-o-cresol *	0.118	0.185	0.197	0.215	0.205		*
N-nitrosodiphenylamine (1)+ *	0.759	0.696	0.652	0.621	0.613		*
4-Bromophenyl-phenylether *	0.222	0.196	0.192	0.179	0.183		*
Hexachlorobenzene *	0.265	0.240	0.223	0.225	0.218		*
Pentachlorophenol + *	0.121	0.144	0.146	0.147	0.143		*
Phenanthrene *	1.417	1.240	1.152	1.103	1.057		*
Anthracene *	1.448	1.293	1.141	1.124	1.016		*
Di-n-butylphthalate *	1.890	1.694	1.514	1.412	1.410		*
Fluoranthene + *	1.280	1.142	1.066	1.026	0.969		*
Pyrene *	2.158	1.871	1.760	1.689	1.723		*
Butylbenzylphthalate *	1.152	1.054	1.033	1.020	0.982		*
3,3'-Dichlorobenzidine *	0.473	0.470	0.414	0.389	0.330		*
Benzo(a)anthracene *	1.535	1.390	1.330	1.242	1.219		*
Chrysene *	1.506	1.364	1.238	1.266	1.281		*
bis(2-Ethylhexyl)phthalate *	1.525	1.386	1.344	1.274	1.161		*
Di-n-octylphthalate + *	2.329	2.394	2.284	2.232	2.276		*
Benzo(b)fluoranthene *	2.034	1.750	1.710	1.741	1.968		*
Benzo(k)fluoranthene *	2.034	1.828	1.790	1.770	1.455		*
Benzo(a)pyrene + *	1.802	1.644	1.593	1.566	1.492		*
Indeno(1,2,3-cd)pyrene *	1.869	1.786	1.682	1.852	1.823		*
Dibenzo(a,h)anthracene *	1.522	1.463	1.401	1.448	1.392		*
Benzo(g,h,i)perylene *	1.618	1.523	1.576	1.617	1.586		*
Pyridine *	2.045	1.878	1.817	1.853	1.864		*
n-Nitrosodimethylamine *	0.590	0.547	0.509	0.489	0.511		*
Aniline *	2.384	2.138	2.224	2.137	1.656		*
Benzyl alcohol *	1.085	0.984	0.959	0.954	0.790		*
Benzidine *		0.424	0.331	0.252	0.180		*
Azobenzene *	2.336	1.952	1.848	1.733	1.693		*
Benzoic Acid *		0.614	0.635	0.721	0.774		*
Total Methylphenol *	2.989	2.612	2.493	2.435	2.426		*
Carbazole *	1.301	1.180	1.102	1.070	1.000		*
Acetophenone *	1.738	1.343	1.278	1.264	1.282		*
1-Methylnaphthalene *	0.806	0.685	0.606	0.583	0.534		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF10 =S0488 RRF50 =S0487
RRF80 =S0489 RRF120=S0490 RRF160=S0491

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Nitrobenzene-d5	0.388	0.338	0.320	0.316	0.300		*
2-Fluorobiphenyl *	1.665	1.443	1.295	1.281	1.161		*
Terphenyl-d14 *	1.134	1.008	0.958	0.900	0.928		*
Phenol-d5 *	2.070	1.789	1.670	1.629	1.587		*
2-Fluorophenol *	1.724	1.534	1.516	1.527	1.560		*
2,4,6-Tribromophenol *	0.156	0.146	0.142	0.148	0.138		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF200=S0492 RRF5 =
RRF1 =S0493 RRF0.2=S0494

COMPOUND	RRF200	RRF5	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Phenol +	* 1.556		2.246	2.194		1.844	16.1*
bis(-2-Chloroethyl)Ether	* 0.803		1.134	1.082		0.955	13.8*
2-Chlorophenol	* 1.428		1.795	1.645		1.567	8.6*
1,3-Dichlorobenzene	* 1.259					1.468	12.9*
1,4-Dichlorobenzene +	* 1.145					1.409	17.4*
1,2-Dichlorobenzene	* 0.989					1.333	19.5*
2-Methylphenol	* 1.178		1.602	1.390		1.350	10.1*
Bis(2-chloroisopropyl)ether	* 1.234					1.740	23.0*
3- & 4-Methylphenol	* 1.067		1.593	1.498		1.310	15.2*
N-Nitroso-di-n-propylamine++	* 0.578					0.721	19.2*
Hexachloroethane	* 0.454		0.700	0.600		0.560	14.9*
Nitrobenzene	* 0.286		0.408	0.401		0.346	14.0*
Isophorone	* 0.640		0.856	0.799		0.745	10.8*
2-Nitrophenol +	* 0.220		0.262	0.239		0.243	7.5*
2,4-Dimethyphenol	* 0.314		0.423	0.419		0.367	13.6*
2,4-Dichlorophenol +	* 0.251		0.352	0.304		0.305	12.1*
1,2,4-Trichlorobenzene	* 0.263		0.389	0.387		0.327	16.2*
Naphthalene	* 0.810					1.009	18.1*
4-Chloroaniline	* 0.103					0.126	16.4*
Hexachlorobutadiene +	* 0.115		0.180	0.201		0.157	19.4*
bis(-2-Chloroethoxy)methane	* 0.397		0.589	0.572		0.492	16.2*
4-Chloro-3-Methylphenol +	* 0.256		0.307	0.252		0.278	8.7*
2-Methylnaphthalene	* 0.526		0.845	0.819		0.676	19.6*
Hexachlorocyclopentadiene ++	* 0.326					0.346	6.5*
2,4,6-Trichlorophenol +	* 0.426		0.439			0.421	6.7*
2,4,5-Trichlorphenol	* 0.426		0.439			0.427	5.1*
2-Chloronaphthalene	* 0.991					1.213	18.7*
2-Nitroaniline	* 0.555		0.607	0.483		0.561	7.6*
Dimethylphthalate	* 1.348		1.769	1.604		1.517	10.2*
Acenaphthylene	* 1.838		2.641	2.715		2.230	16.8*
2,6-Dinitrotoluene	* 0.364		0.396	0.282		0.370	10.7*
3-Nitroaniline	* 0.386		0.433	0.316		0.416	12.0*
Acenaphthene +	* 1.005		1.579	1.519		1.294	18.1*
2,4-Dinitrophenol ++	* 0.241					0.211	13.7*
4-Nitrophenol ++	* 0.112					0.115	2.2*
Dibenzofuran	* 1.282					1.521	18.2*
2,4-Dinitrotoluene	* 0.359					0.415	16.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF200=S0492 RRF5 =
RRF1 =S0493 RRF0.2=S0494

COMPOUND	RRF200	RRF5	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Diethylphthalate *	1.135		1.739	1.762		1.416	17.8*
4-Chlorophenyl-phenylether *	0.346					0.485	26.6*
Fluorene *	0.874		1.650	1.611		1.250	25.6*
4-Nitroaniline *	0.394		0.415			0.413	5.2*
4,6-Dinitro-o-cresol *	0.216					0.189	19.5*
N-nitrosodiphenylamine (1)+ *	0.568		0.798	0.815		0.690	13.3*
4-Bromophenyl-phenylether *	0.181		0.208	0.179		0.192	8.2*
Hexachlorobenzene *	0.206		0.262	0.242		0.235	9.0*
Pentachlorophenol + *	0.144					0.141	6.8*
Phenanthrene *	1.011					1.163	12.7*
Anthracene *	0.956					1.163	15.6*
Di-n-butylphthalate *	1.253					1.529	15.0*
Fluoranthene + *	0.937		1.330	1.229		1.122	13.1*
Pyrene *	1.759		2.305	2.093		1.920	12.2*
Butylbenzylphthalate *	1.029		1.207	1.039		1.064	7.1*
3,3'-Dichlorobenzidine *	0.293		0.601	0.486		0.432	22.6*
Benzo(a)anthracene *	1.206		1.672	2.035		1.454	19.7*
Chrysene *	1.180		1.748	1.830		1.427	17.2*
bis(2-Ethylhexyl)phthalate *	1.211		1.536	1.357		1.349	10.0*
Di-n-octylphthalate + *	2.260		2.414	1.994		2.273	5.7*
Benzo(b)fluoranthene *	1.921		2.061	1.853		1.880	7.3*
Benzo(k)fluoranthene *	1.921		2.061	1.853		1.839	10.3*
Benzo(a)pyrene + *	1.446		1.790	1.474		1.601	8.6*
Indeno(1,2,3-cd)pyrene *	1.774		1.959	1.672		1.802	5.3*
Dibenzo(a,h)anthracene *	1.294		1.536	1.236		1.412	7.4*
Benzo(g,h,i)perylene *	1.603		1.780	1.396		1.587	6.7*
Pyridine *	1.856		2.265	2.259		1.980	9.5*
n-Nitrosodimethylamine *	0.519		0.573	0.783		0.565	16.7*
Aniline *	3.270		1.961	1.901		2.209	21.8*
Benzyl alcohol *	0.790		1.112	1.045		0.965	12.7*
Benzidine *	0.165					0.270	40.1*
Azobenzene *	1.698		2.513	2.281		2.007	16.2*
Benzoic Acid *	1.164					0.782	28.6*
Total Methylphenol *	2.245		3.195	2.888		2.660	12.3*
Carbazole *	1.001		1.460	1.371		1.186	14.7*
Acetophenone *						1.381	14.6*
1-Methylnaphthalene *	0.526		0.845	0.819		0.676	19.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date(s): 05/29/02 05/29/02

Calibration Time(s): 1437 1750

LAB FILE ID: RRF200=S0492 RRF5 =
RRF1 =S0493 RRF0.2=S0494

COMPOUND	RRF200	RRF5	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Nitrobenzene-d5	0.292					0.326	10.6*
2-Fluorobiphenyl	* 1.180					1.338	14.2*
Terphenyl-d14	* 0.868					0.966	9.9*
Phenol-d5	* 1.489					1.706	11.9*
2-Fluorophenol	* 1.531					1.565	5.1*
2,4,6-Tribromophenol	* 0.128					0.143	6.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Data File: /var/chem/mssv2.i/2020529.s.b/s0495.d
Report Date: 07-Jun-2002 13:53

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mssv2.i
Lab File ID: s0495.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/mssv2.i/2020529.s.b/8270CE_02.m

Injection Date: 29-MAY-2002 18:18
Init. Cal. Date(s): 20-MAY-2002 31-MAY-2002
Init. Cal. Times: 08:49 11:45
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 n-Nitrosodimethylamine	0.56520	0.48600	0.050	-14.01212	50.00000	Averaged
	2 Pyridine	1.97964	1.76892	0.050	-10.64434	50.00000	Averaged
$	3 2-Fluorophenol	1.56552	1.45814	0.050	-6.85939	50.00000	Averaged
$	4 Phenol-d5	1.70596	1.65080	0.050	-3.23334	50.00000	Averaged
	5 Aniline	2.20887	1.45927	0.050	-33.93601	50.00000	Averaged
	6 Phenol +	1.84348	1.63897	0.050	-11.09368	20.00000	Averaged
	7 bis(-2-Chloroethyl)Ether	0.95486	0.82036	0.050	-14.08541	50.00000	Averaged
	8 2-Chlorophenol	1.56674	1.41160	0.050	-9.90261	50.00000	Averaged
	9 1,3-Dichlorobenzene	1.46765	1.42176	0.050	-3.12680	50.00000	Averaged
	11 1,4-Dichlorobenzene +	1.40901	1.36726	0.050	-2.96316	20.00000	Averaged
	12 Benzyl alcohol	0.96497	0.87920	0.050	-8.88896	50.00000	Averaged
	13 1,2-Dichlorobenzene	1.33281	1.32642	0.050	-0.47933	50.00000	Averaged
	14 Bis(2-chloroisopropyl)ether	1.74014	1.72518	0.050	-0.85959	50.00000	Averaged
	15 2-Methylphenol	1.35056	1.15575	0.050	-14.42427	50.00000	Averaged
	16 N-Nitroso-di-n-propylamine+	0.72127	0.75970	0.050	5.32873	50.00000	Averaged
	17 3- & 4-Methylphenol	1.31007	1.20781	0.050	-7.80577	50.00000	Averaged
	18 Hexachloroethane	0.55948	0.51748	0.050	-7.50731	50.00000	Averaged
$	19 Nitrobenzene-d5	0.32572	0.30838	0.050	-5.32458	50.00000	Averaged
	20 Nitrobenzene	0.34583	0.31810	0.050	-8.01754	50.00000	Averaged
	21 Isophorone	0.74467	0.61929	0.050	-16.83732	50.00000	Averaged
	22 2-Nitrophenol +	0.24309	0.22380	0.050	-7.93454	20.00000	Averaged
	23 2,4-Dimethyphenol	0.36711	0.30614	0.050	-16.60896	50.00000	Averaged
	24 bis(-2-Chloroethoxy)methane	0.49214	0.42995	0.050	-12.63561	50.00000	Averaged
	25 Benzoic Acid	0.78167	0.69394	0.050	-11.22391	50.00000	Averaged
	26 2,4-Dichlorophenol +	0.30529	0.28134	0.050	-7.84609	20.00000	Averaged
	27 1,2,4-Trichlorobenzene	0.32712	0.28873	0.050	-11.73703	50.00000	Averaged
	29 Naphthalene	1.00921	0.98422	0.050	-2.47592	50.00000	Averaged
	30 4-Chloroaniline	0.12624	0.12200	0.050	-3.35898	50.00000	Averaged
	31 Hexachlorobutadiene +	0.15716	0.14079	0.050	-10.41399	20.00000	Averaged
	32 4-Chloro-3-Methylphenol +	0.27833	0.25414	0.050	-8.69226	20.00000	Averaged
	33 2-Methylnaphthalene	0.67545	0.59445	0.050	-11.99262	50.00000	Averaged
	34 Hexachlorocyclopentadiene +	0.34602	0.30398	0.050	-12.15025	50.00000	Averaged
	35 2,4,6-Trichlorophenol +	0.42075	0.35543	0.050	-15.52541	20.00000	Averaged
	36 2,4,5-Trichlorphenol	0.42689	0.35543	0.050	-16.73989	50.00000	Averaged
$	37 2-Fluorobiphenyl	1.33757	1.28097	0.050	-4.23133	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mssv2.i
Lab File ID: s0495.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/mssv2.i/2020529.s.b/8270CE_02.m

Injection Date: 29-MAY-2002 18:18
Init. Cal. Date(s): 20-MAY-2002 31-MAY-2002
Init. Cal. Times: 08:49 11:45
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	38 2-Chloronaphthalene	1.21299	1.13426	0.050	-6.49104	50.00000	Averaged
	39 2-Nitroaniline	0.56144	0.48517	0.050	-13.58382	50.00000	Averaged
	40 Dimethylphthalate	1.51719	1.23518	0.050	-18.58755	50.00000	Averaged
	41 2,6-Dinitrotoluene	0.37014	0.32199	0.050	-13.00855	50.00000	Averaged
	42 Acenaphthylene	2.22989	1.83267	0.050	-17.81355	50.00000	Averaged
	43 3-Nitroaniline	0.41640	0.37202	0.050	-10.65762	50.00000	Averaged
	45 Acenaphthene +	1.29377	1.09222	0.050	-15.57876	20.00000	Averaged
	46 2,4-Dinitrophenol ++	0.21138	0.15565	0.050	-26.36374	50.00000	Averaged
	47 Dibenzofuran	1.52132	1.36020	0.050	-10.59069	50.00000	Averaged
	48 2,4-Dinitrotoluene	0.41459	0.37701	0.050	-9.06486	50.00000	Averaged
	49 4-Nitrophenol ++	0.11481	0.10398	0.050	-9.43134	50.00000	Averaged
	50 Diethylphthalate	1.41607	1.11242	0.050	-21.44346	50.00000	Averaged
	51 Fluorene	1.25039	1.08259	0.050	-13.41913	50.00000	Averaged
	52 4-Chlorophenyl-phenylether	0.48478	0.46616	0.050	-3.84119	50.00000	Averaged
	53 4-Nitroaniline	0.41329	0.36876	0.050	-10.77336	50.00000	Averaged
	54 4,6-Dinitro-o-cresol	0.18954	0.16972	0.050	-10.45655	50.00000	Averaged
	55 N-nitrosodiphenylamine (1)+	0.69027	0.61117	0.050	-11.45875	20.00000	Averaged
	56 Azobenzene	2.00700	1.65756	0.050	-17.41089	50.00000	Averaged
$	57 2,4,6-Tribromophenol	0.14294	0.13074	0.050	-8.53318	50.00000	Averaged
	58 4-Bromophenyl-phenylether	0.19274	0.17042	0.050	-11.58111	50.00000	Averaged
	59 Hexachlorobenzene	0.23510	0.20658	0.050	-12.13271	50.00000	Averaged
	60 Pentachlorophenol +	0.14100	0.13376	0.050	-5.13414	20.00000	Averaged
	62 Phenanthrene	1.16354	1.11458	0.050	-4.20772	50.00000	Averaged
	63 Anthracene	1.16311	1.12290	0.050	-3.45745	50.00000	Averaged
	64 Carbazole	1.18562	1.04827	0.050	-11.58463	50.00000	Averaged
	65 Di-n-butylphthalate	1.52893	1.42815	0.050	-6.59129	50.00000	Averaged
M	66 Total Methylphenol	2.66063	2.36356	0.050	-11.16538	50.00000	Averaged
	67 Fluoranthene +	1.12244	1.05408	0.050	-6.09030	20.00000	Averaged
	69 Pyrene	1.91994	1.60953	0.050	-16.16745	50.00000	Averaged
$	70 Terphenyl-d14	0.96603	0.93174	0.050	-3.54979	50.00000	Averaged
	71 Butylbenzylphthalate	1.06440	0.88105	0.050	-17.22619	50.00000	Averaged
	72 Benzo(a)anthracene	1.45365	1.21304	0.050	-16.55219	50.00000	Averaged
	73 3,3'-Dichlorobenzidine	0.43209	0.43964	0.050	1.74767	50.00000	Averaged
	75 Chrysene	1.42665	1.22512	0.050	-14.12580	50.00000	Averaged
	76 bis(2-Ethylhexyl)phthalate	1.34918	1.13086	0.050	-16.18118	50.00000	Averaged
	77 Di-n-octylphthalate +	2.27286	1.95506	0.050	-13.98213	20.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: mssv2.i
Lab File ID: s0495.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/mssv2.i/2020529.s.b/8270CE_02.m

Injection Date: 29-MAY-2002 18:18
Init. Cal. Date(s): 20-MAY-2002 31-MAY-2002
Init. Cal. Times: 08:49 11:45
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
78 Benzo(b)fluoranthene	1.87965	1.61070	0.050	-14.30877	50.00000	Averaged
79 Benzo(k)fluoranthene	1.83887	1.61070	0.050	-12.40822	50.00000	Averaged
80 Benzo(a)pyrene +	1.60091	1.33881	0.050	-16.37218	20.00000	Averaged
82 Indeno(1,2,3-cd)pyrene	1.80208	1.46290	0.050	-18.82119	50.00000	Averaged
83 Dibenzo(a,h)anthracene	1.41176	1.26264	0.050	-10.56281	50.00000	Averaged
84 Benzo(g,h,i)perylene	1.58725	1.37348	0.050	-13.46755	50.00000	Averaged

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date: 06/03/02 Time: 0747

Lab File ID: S0568 Init. Calib. Date(s): 05/29/02 05/29/02

Init. Calib. Times: 1437 1750

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol +	1.844	1.790	0.050	2.9	20.0
bis(-2-Chloroethyl)Ether	0.955	1.013	0.050	-6.1	50.0
2-Chlorophenol	1.567	1.571	0.050	-0.2	50.0
1,3-Dichlorobenzene	1.468	1.568	0.050	-6.8	50.0
1,4-Dichlorobenzene +	1.409	1.527	0.050	-8.4	20.0
1,2-Dichlorobenzene	1.333	1.495	0.050	-12.2	50.0
2-Methylphenol	1.350	1.328	0.050	1.6	50.0
Bis(2-chloroisopropyl)ether	1.740	2.174	0.050	-24.9	50.0
3- & 4-Methylphenol	1.310	1.284	0.050	2.0	50.0
N-Nitroso-di-n-propylamine++	0.721	0.808	0.050	-12.1	50.0
Hexachloroethane	0.560	0.595	0.050	-6.2	50.0
Nitrobenzene	0.346	0.368	0.050	-6.4	50.0
Isophorone	0.745	0.757	0.050	-1.6	50.0
2-Nitrophenol +	0.243	0.245	0.050	-0.8	20.0
2,4-Dimethyphenol	0.367	0.346	0.050	5.7	50.0
2,4-Dichlorophenol +	0.305	0.311	0.050	-2.0	20.0
1,2,4-Trichlorobenzene	0.327	0.320	0.050	2.1	50.0
Naphthalene	1.009	1.094	0.050	-8.4	50.0
4-Chloroaniline	0.126	0.137	0.050	-8.7	50.0
Hexachlorobutadiene +	0.157	0.162	0.050	-3.2	20.0
bis(-2-Chloroethoxy)methane	0.492	0.518	0.050	-5.3	50.0
4-Chloro-3-Methylphenol +	0.278	0.293	0.050	-5.4	20.0
2-Methylnaphthalene	0.676	0.686	0.050	-1.5	50.0
Hexachlorocyclopentadiene ++	0.346	0.367	0.050	-6.1	50.0
2,4,6-Trichlorophenol +	0.421	0.425	0.050	-1.0	20.0
2,4,5-Trichlorphenol	0.427	0.426	0.050	0.2	50.0
2-Chloronaphthalene	1.213	1.365	0.050	-12.5	50.0
2-Nitroaniline	0.561	0.566	0.050	-0.9	50.0
Dimethylphthalate	1.517	1.533	0.050	-1.0	50.0
Acenaphthylene	2.230	2.224	0.050	0.3	50.0
2,6-Dinitrotoluene	0.370	0.384	0.050	-3.8	50.0
3-Nitroaniline	0.416	0.428	0.050	-2.9	50.0
Acenaphthene +	1.294	1.293	0.050	0.1	20.0
2,4-Dinitrophenol ++	0.211	0.196	0.050	7.1	50.0
4-Nitrophenol ++	0.115	0.122	0.050	-6.1	50.0
Dibenzofuran	1.521	1.645	0.050	-8.2	50.0
2,4-Dinitrotoluene	0.415	0.452	0.050	-8.9	50.0

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date: 06/03/02 Time: 0747

Lab File ID: S0568 Init. Calib. Date(s): 05/29/02 05/29/02

Init. Calib. Times: 1437 1750

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.416	1.459	0.050	-3.0	50.0
4-Chlorophenyl-phenylether	0.485	0.561	0.050	-15.7	50.0
Fluorene	1.250	1.285	0.050	-2.8	50.0
4-Nitroaniline	0.413	0.425	0.050	-2.9	50.0
4,6-Dinitro-o-cresol	0.189	0.198	0.050	-4.8	50.0
N-nitrosodiphenylamine (1)+	0.690	0.698	0.050	-1.2	20.0
4-Bromophenyl-phenylether	0.192	0.202	0.050	-5.2	50.0
Hexachlorobenzene	0.235	0.232	0.050	1.3	50.0
Pentachlorophenol +	0.141	0.148	0.050	-5.0	20.0
Phenanthrene	1.163	1.236	0.050	-6.3	50.0
Anthracene	1.163	1.245	0.050	-7.0	50.0
Di-n-butylphthalate	1.529	1.709	0.050	-11.8	50.0
Fluoranthene +	1.122	1.126	0.050	-0.4	20.0
Pyrene	1.920	1.774	0.050	7.6	50.0
Butylbenzylphthalate	1.064	1.099	0.050	-3.3	50.0
3,3'-Dichlorobenzidine	0.432	0.477	0.050	-10.4	50.0
Benzo(a)anthracene	1.454	1.367	0.050	6.0	50.0
Chrysene	1.427	1.293	0.050	9.4	50.0
bis(2-Ethylhexyl)phthalate	1.349	1.461	0.050	-8.3	50.0
Di-n-octylphthalate +	2.273	2.592	0.050	-14.0	20.0
Benzo(b)fluoranthene	1.880	1.770	0.050	5.8	50.0
Benzo(k)fluoranthene	1.839	1.923	0.050	-4.6	50.0
Benzo(a)pyrene +	1.601	1.640	0.050	-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.802	1.630	0.050	9.5	50.0
Dibenzo(a,h)anthracene	1.412	1.498	0.050	-6.1	50.0
Benzo(g,h,i)perylene	1.587	1.589	0.050	-0.1	50.0
Pyridine	1.980	1.930	0.050	2.5	50.0
n-Nitrosodimethylamine	0.565	0.609	0.050	-7.8	50.0
Aniline	2.209	2.095	0.050	5.2	50.0
Benzyl alcohol	0.965	0.988	0.050	-2.4	50.0
Benzidine	0.270	0.249	0.050	7.8	50.0
Azobenzene	2.007	2.124	0.050	-5.8	50.0
Benzoic Acid	0.782	0.713	0.050	8.8	50.0
Total Methylphenol	2.660	2.612	0.050	1.8	50.0
Carbazole	1.186	1.185	0.050	0.1	50.0
Acetophenone	1.361	1.786	0.050	-31.2	50.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

Instrument ID: MSSV2 Calibration Date: 06/03/02 Time: 0747

Lab File ID: S0568 Init. Calib. Date(s): 05/29/02 05/29/02

Init. Calib. Times: 1437 1750

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1-Methylnaphthalene	0.676	0.686	0.050	-1.5	50.0
Nitrobenzene-d5	0.326	0.348	0.050	-6.7	50.0
2-Fluorobiphenyl	1.338	1.472	0.050	-10.0	50.0
Terphenyl-d14	0.966	1.000	0.050	-3.5	50.0
Phenol-d5	1.706	1.823	0.050	-6.8	50.0
2-Fluorophenol	1.565	1.586	0.050	-1.3	50.0
2,4,6-Tribromophenol	0.143	0.148	0.050	-3.5	50.0

All other compounds must meet a minimum RRF of 0.010.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42048	Method Blank	Water	06/04/2002 15:40

SW-846 1311/8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 08:42	RLW	133930

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.020	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.020	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.020	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.020	mg/L
1319-77-3	Cresols	ND	0.100	0.020	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.020	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.020	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.020	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.020	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.020	mg/L
110-86-1	Pyridine	ND	0.050	0.020	mg/L
1319-77-3	m,p-Cresol	ND	0.050	0.020	mg/L
95-48-7	o-Cresol	ND	0.050	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	50	46.7 ug/L	93	43 - 116
321-60-8	2-Fluorobiphenyl	50	41.9 ug/L	84	16 - 116
1718-51-0	Terphenyl-d14	50	44.4 ug/L	89	47 - 137
4165-62-2	Phenol-d5	100	31.7 ug/L	32	10 - 113
367-12-4	2-Fluorophenol	100	42.6 ug/L	43	24 - 106
118-79-6	2,4,6-Tribromophenol	100	81.3 ug/L	81	19 - 120

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42049	Lab Control Sample	Water	06/04/2002 15:40

SW-846 1311/8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 16:00	133432	3510C	1	06/03/2002 09:10	RLW	133930

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
106-46-7	**1,4-Dichlorobenzene**	**0.071**	**0.050**	**0.020**	**mg/L**
95-95-4	**2,4,5-Trichlorophenol**	**0.081**	**0.050**	**0.020**	**mg/L**
88-06-2	**2,4,6-Trichlorophenol**	**0.083**	**0.050**	**0.020**	**mg/L**
121-14-2	**2,4-Dinitrotoluene**	**0.087**	**0.050**	**0.020**	**mg/L**
1319-77-3	Cresols	0.060J	0.100	0.020	mg/L
118-74-1	**Hexachlorobenzene**	**0.092**	**0.050**	**0.020**	**mg/L**
87-68-3	**Hexachlorobutadiene**	**0.068**	**0.050**	**0.020**	**mg/L**
67-72-1	**Hexachloroethane**	**0.069**	**0.050**	**0.020**	**mg/L**
98-95-3	**Nitrobenzene**	**0.088**	**0.050**	**0.020**	**mg/L**
87-86-5	Pentachlorophenol	0.097J	0.100	0.020	mg/L
110-86-1	Pyridine	0.040J	0.050	0.020	mg/L
1319-77-3	**m,p-Cresol**	**0.058**	**0.050**	**0.020**	**mg/L**
95-48-7	**o-Cresol**	**0.062**	**0.050**	**0.020**	**mg/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	**Nitrobenzene-d5**	50	47.6 ug/L	95	43 - 116
321-60-8	**2-Fluorobiphenyl**	50	44.9 ug/L	90	16 - 116
1718-51-0	**Terphenyl-d14**	50	51.8 ug/L	104	47 - 137
4165-62-2	**Phenol-d5**	100	33.9 ug/L	34	10 - 113
367-12-4	**2-Fluorophenol**	100	45.1 ug/L	45	24 - 106
118-79-6	**2,4,6-Tribromophenol**	100	87.5 ug/L	88	19 - 120

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

	EPA SAMPLE NO.	S1 (TCX) #	S2 (DCB) #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	42362	104	132							0
02	42363	124	136							0
03	49NS-S-0528	74	97							0
04	42364	122	136							0
05	42365	85	99							0
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (TCX)	= Tetrachloro-m-xylene	(60-150)	
S2 (DCB)	= Decachlorobiphenyl	(60-150)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42466 | ORIGINAL LAB ID: | PREP BATCH: 133833
MATRIX Water | ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0.002 mg/L	0.002	82	10 - 126
93-72-1	2,4,5-TP (Silvex)	0.002 mg/L	0.002	93	34 - 124

MS LAB ID: 42467 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133833
MATRIX Solid | ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	0.02 mg/L	0.025	125	10 - 126
93-72-1	2,4,5-TP (Silvex)	0	0.02 mg/L	0.018	90	34 - 124

MSD LAB ID: 42468 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133833
MATRIX Solid | ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	0.02 mg/L	0.016	81	10 - 126	43 *	0 - 40
93-72-1	2,4,5-TP (Silvex)	0.02 mg/L	0.013	64	34 - 124	34	0 - 40

LCS ID: 42363 | ORIGINAL LAB ID: | PREP BATCH: 133748
MATRIX Water | ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0.0005 mg/L	0.0006	120	37 - 142
72-43-5	Methoxychlor	0.0005 mg/L	0.00089	178 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0.0005 mg/L	0.00062	124	32 - 127
76-44-8	Heptachlor	0.0005 mg/L	0.00064	128 *	34 - 111
72-20-8	Endrin	0.0005 mg/L	0.00065	130	30 - 147

MS LAB ID: 42364 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133748
MATRIX Solid | ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0	0.005 mg/L	0.00599	120	37 - 142
72-43-5	Methoxychlor	0	0.005 mg/L	0.00911	182 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0	0.005 mg/L	0.00609	122	32 - 127
76-44-8	Heptachlor	0	0.005 mg/L	0.00647	129 *	34 - 111
72-20-8	Endrin	0	0.005 mg/L	0.00662	132	30 - 147

MSD LAB ID: 42365 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133748
MATRIX Solid | ANALYTICAL BATCH: 133942

QUALITY CONTROL SUMMARY

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
1024-57-3	Heptachlor epoxide	0.005 mg/L	0.00431	86	37 - 142	33	0 - 40
72-43-5	Methoxychlor	0.005 mg/L	0.00632	126	26 - 144	36	0 - 40
58-89-9	gamma-BHC (Lindane)	0.005 mg/L	0.00451	90	32 - 127	30	0 - 40
76-44-8	Heptachlor	0.005 mg/L	0.00476	95	34 - 111	30	0 - 40
72-20-8	Endrin	0.005 mg/L	0.00481	96	30 - 147	32	0 - 40

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 8081A, TCLP Pesticides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 14:57	TLS	133942

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-74-9	Chlordane	ND	0.02500	0.00016	mg/L
72-20-8	Endrin	ND	0.00100	0.00013	mg/L
76-44-8	Heptachlor	ND	0.00050	0.00008	mg/L
1024-57-3	Heptachlor epoxide	ND	0.00050	0.0001	mg/L
72-43-5	Methoxychlor	ND	0.02500	0.00065	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.00050	mg/L
58-89-9	gamma-BHC (Lindane)	ND	0.00050	0.00006	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	5	3.72 ug/L	74	60 - 150
2051-24-3	Decachlorobiphenyl	5	4.87 ug/L	97	60 - 150

RESULTS REPORTED ON A WET WEIGHT BASIS

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv11.i/2020531.b/SV11022.d
Level 2: /var/chem/gcsv11.i/2020531.b/SV11023.d
Level 3: /var/chem/gcsv11.i/2020531.b/SV11024.d
Level 4: /var/chem/gcsv11.i/2020531.b/SV11026.d
Level 5: /var/chem/gcsv11.i/2020531.b/SV11027.d

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD	
	2 alpha-BHC	238030	304249	334508	302793	335600	303036	13.074	
	3 gamma-BHC (Lindane)	243068	300852	322197	290499	320920	295507	10.915	
	4 Heptachlor	192329	237285	253560	234875	261274	235864	11.331	
	5 Aldrin	222890	274516	269776	294972	300324	272495	11.239	
	6 beta-BHC	153403	153137	137347	145630	147716	147447	4.463	
	7 delta-BHC	215251	273377	272759	298236	307572	273439	13.143	
	8 Heptachlor epoxide	185465	223647	225163	240274	246122	224134	10.559	
	9 Endosulfan I	166386	202362	214981	199851	223339	201384	10.808	
	10 gamma-Chlordane	186774	227636	233116	251983	259617	231825	12.253	
	11 alpha-Chlordane	196361	235782	239036	257482	265774	238887	11.246	
	12 4,4'-DDE	187501	228227	224180	237966	243090	224193	9.745	
	13 Dieldrin	158072	201334	211299	194960	216955	196524	11.769	
	14 Endrin	141548	174454	178959	166637	185209	169361	10.012	
	15 4,4'-DDD	127376	152702	157880	148042	165768	150354	9.599	
	16 Endosulfan II	144194	174668	173657	186308	190406	173846	10.408	
	17 4,4'-DDT	62263	95482	115789	109422	134042	103400	25.967	<-
	18 Endrin aldehyde	67682	85055	81016	90296	93813	83572	12.134	
	19 Methoxychlor	41905	53008	56263	53563	61326	53213	13.393	
	20 Endosulfan sulfate	119796	141252	145975	153212	159204	143888	10.501	
	21 Endrin ketone	119842	147189	149396	157660	161888	147195	11.155	
M	23 AR 1016-AVG	40106	40801	38352	34722	33674	37531	8.505	
	24 AR 1016-PEAK1	4514	4709	4527	4120	4040	4382	6.564	
	25 AR 1016-PEAK2	8922	8907	8337	7431	7093	8138	10.348	
	26 AR 1016-PEAK3	18235	18449	17244	15564	15099	16918	9.025	
	27 AR 1016-PEAK4	8436	8735	8245	7607	7441	8093	6.806	
M	28 AR 1260-AVG	52230	54379	55214	52092	53664	53516	2.530	

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
	29 AR 1260-PEAK1	6325	6679	7468	6772	7021	6853	6.197
	30 AR 1260-PEAK2	9618	9844	9457	8522	8611	9210	6.563
	31 AR 1260-PEAK3	13114	13188	13472	12571	12646	12998	2.929
	32 AR 1260-PEAK4	23173	24669	24817	24227	25386	24454	3.384
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	11904	+++++	+++++	11904	0.000
	38 AR 1221-PEAK1	+++++	+++++	1368	+++++	+++++	1368	0.000
	39 AR 1221-PEAK2	+++++	+++++	2519	+++++	+++++	2519	0.000
	40 AR 1221-PEAK3	+++++	+++++	1630	+++++	+++++	1630	0.000
	41 AR 1221-PEAK4	+++++	+++++	6385	+++++	+++++	6385	0.000
M	42 AR 1232-AVG	+++++	+++++	24208	+++++	+++++	24208	0.000
	43 AR 1232-PEAK1	+++++	+++++	6600	+++++	+++++	6600	0.000
	44 AR 1232-PEAK2	+++++	+++++	4266	+++++	+++++	4266	0.000
	45 AR 1232-PEAK3	+++++	+++++	8952	+++++	+++++	8952	0.000
	46 AR 1232-PEAK4	+++++	+++++	4390	+++++	+++++	4390	0.000
M	47 AR 1242-AVG	+++++	+++++	33449	+++++	+++++	33449	0.000
	48 AR 1242-PEAK1	+++++	+++++	4068	+++++	+++++	4068	0.000
	49 AR 1242-PEAK2	+++++	+++++	7293	+++++	+++++	7293	0.000
	50 AR 1242-PEAK3	+++++	+++++	14852	+++++	+++++	14852	0.000
	51 AR 1242-PEAK4	+++++	+++++	7237	+++++	+++++	7237	0.000
M	52 AR 1248-AVG	+++++	+++++	40390	+++++	+++++	40390	0.000
	53 AR 1248-PEAK1	+++++	+++++	9351	+++++	+++++	9351	0.000
	54 AR 1248-PEAK2	+++++	+++++	13517	+++++	+++++	13517	0.000
	55 AR 1248-PEAK3	+++++	+++++	9443	+++++	+++++	9443	0.000
	56 AR 1248-PEAK4	+++++	+++++	2585	+++++	+++++	2585	0.000
M	57 AR 1254-AVG	+++++	+++++	29120	+++++	+++++	29120	0.000
	58 AR 1254-PEAK1	+++++	+++++	3717	+++++	+++++	3717	0.000
	59 AR 1254-PEAK2	+++++	+++++	3187	+++++	+++++	3187	0.000
	60 AR 1254-PEAK3	+++++	+++++	7706	+++++	+++++	7706	0.000
	61 AR 1254-PEAK4	+++++	+++++	14509	+++++	+++++	14509	0.000

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	RRF	% RSD
M	62 TOXAPHENE-AVG	++++++	++++++	++++++	++++++	20359	20359	0.000
	63 TOXAPHENE-PEAK1	++++++	++++++	++++++	++++++	4708	4708	0.000
	64 TOXAPHENE-PEAK2	++++++	++++++	++++++	++++++	4174	4174	0.000
	65 TOXAPHENE-PEAK3	++++++	++++++	++++++	++++++	5262	5262	0.000
	66 TOXAPHENE-PEAK4	++++++	++++++	++++++	++++++	6215	6215	0.000
	67 TOXAPHENE-PEAK5	++++++	++++++	++++++	++++++	312626	312626	0.000
M	68 CHLORDANE-AVG	++++++	++++++	++++++	++++++	80867	80867	0.000
	69 CHLORDANE-PEAK1	++++++	++++++	++++++	++++++	8470	8470	0.000
	70 CHLORDANE-PEAK2	++++++	++++++	++++++	++++++	14783	14783	0.000
	71 CHLORDANE-PEAK3	++++++	++++++	++++++	++++++	23555	23555	0.000
	72 CHLORDANE-PEAK4	++++++	++++++	++++++	++++++	34059	34059	0.000
	73 CHLORDANE-PEAK5	++++++	++++++	++++++	++++++	33852	33852	0.000
	164 Diallate	++++++	++++++	++++++	++++++	++++++	++++++	++++++
	165 Isodrin	++++++	++++++	++++++	++++++	++++++	++++++	++++++
	166 Chlorobenzilate	++++++	++++++	++++++	++++++	++++++	++++++	++++++
$	1 Tetrachloro-m-xylene	224522	228156	231392	199795	216096	219992	5.751
$	22 Decachlorobiphenyl	145610	163124	160479	148231	163429	156174	5.491

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 31-MAY-2002 16:29
End Cal Date	: 01-JUN-2002 15:28
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date	: 04-Jun-2002 17:53 tls
Curve Type	: Average

```
Average %RSD Results.
Calculated Average %RSD = 9.61900138
Maximun Average %RSD    =         20
* Passed Average %RSD Test.
```

Data File: /var/chem/gcsv11.i/2020603.b/SV11001.d
Report Date: 07-Jun-2002 14:57

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020603.b/SV11001.d
Lab Smp Id: DEG STD
Inj Date : 03-JUN-2002 09:42
Operator : tls Inst ID: gcsv11.i
Smp Info : DEG STD
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020603.b/pest3.m
Meth Date : 03-Jun-2002 12:58 tls Quant Type: ESTD
Cal Date : 01-JUN-2002 14:58 Cal File: SV11026.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

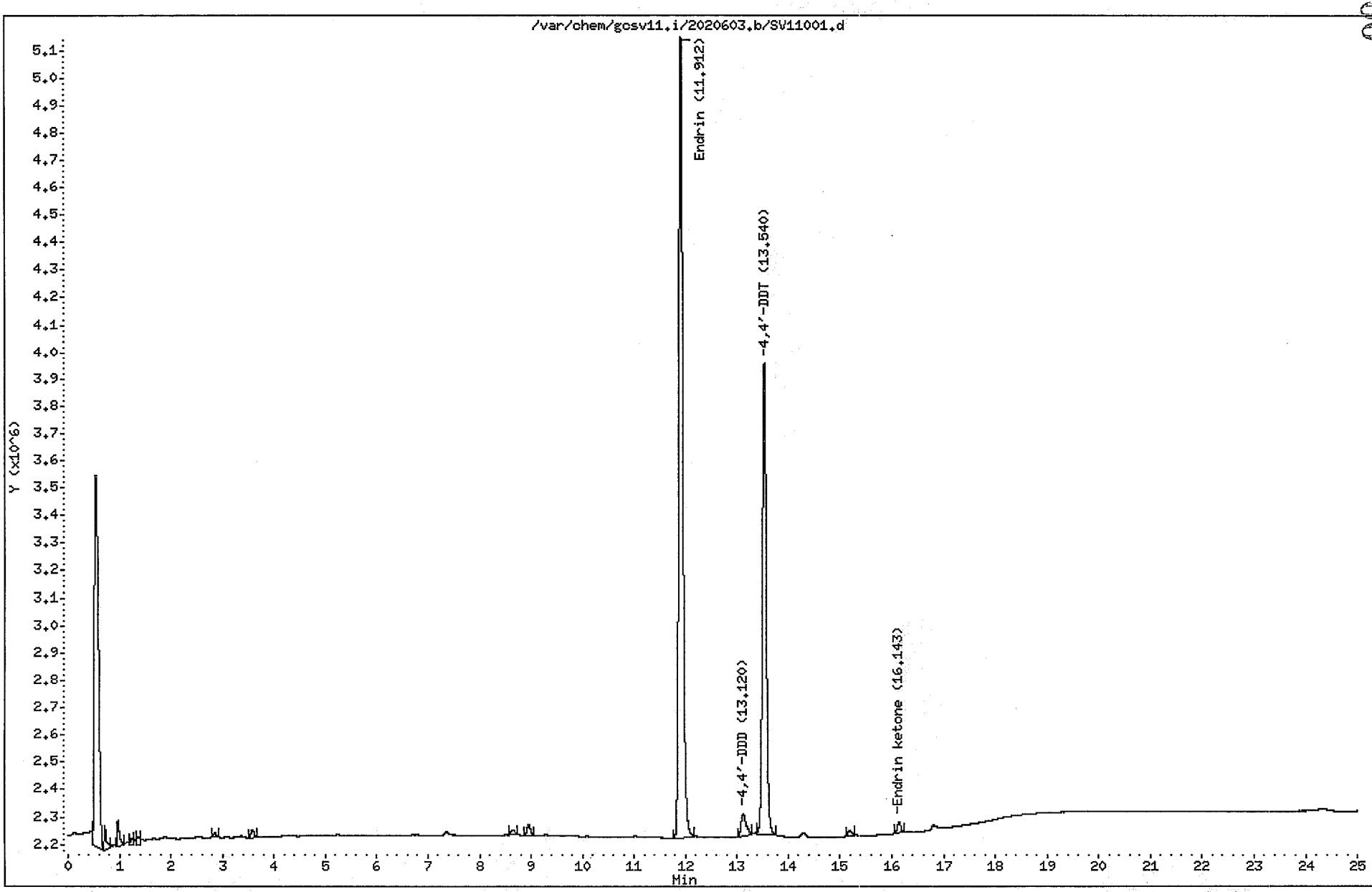
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
15 4,4'-DDD	13.120	13.103	0.017	564715	3.69397	0.0369
17 4,4'-DDT	13.540	13.534	0.006	9022603	84.4040	0.8440
21 Endrin ketone	16.143	16.148	-0.005	182115	1.20276	0.0120
14 Endrin	11.912	11.908	0.004	15617009	90.0895	0.9008

DDT - $\frac{564715}{9587318} = 5.9\%$

ENDRIN - $\frac{182115}{15799124} = 1.15\%$

Data File: /var/chem/gcsv11.i/2020603.b/SV11001.d
Date : 03-JUN-2002 09:42
Client ID:
Sample Info: DEG STD
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tls
Column diameter: 0.53



000077

Data File: /var/chem/gcsv11.i/2020603.b/SV11002.d
Report Date: 03-Jun-2002 10:48

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11002.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv11.i/2020603.b/pest3.m

Injection Date: 03-JUN-2002 10:12
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	219781	239357	0.010	-8.90712	15.00000	Averaged	
2 alpha-BHC	313850	346109	0.010	-10.27843	15.00000	Averaged	
3 gamma-BHC (Lindane)	304516	335175	0.010	-10.06803	15.00000	Averaged	
4 Heptachlor	241906	267978	0.010	-10.77760	15.00000	Averaged	
9 Endosulfan I	205732	220061	0.010	-6.96496	15.00000	Averaged	
13 Dieldrin	202531	215879	0.010	-6.59056	15.00000	Averaged	
14 Endrin	173350	179961	0.010	-3.81361	15.00000	Averaged	
15 4,4'-DDD	152875	162049	0.010	-6.00128	15.00000	Averaged	
17 4,4'-DDT	106898	126905	0.010	-18.71627	15.00000	Averaged	<-
19 Methoxychlor	54278	57242	0.010	-5.46019	15.00000	Averaged	
$ 22 Decachlorobiphenyl	157278	155686	0.010	1.01211	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.05365
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020603.b/SV11003.d
Report Date: 03-Jun-2002 11:24

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11003.d
Analysis Type: WATER
Lab Sample ID: IND B III
Method: /var/chem/gcsv11.i/2020603.b/pest3.m

Injection Date: 03-JUN-2002 10:42
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
5 Aldrin	279754	278692	0.010	0.37960	15.00000	Averaged
6 beta-BHC	145372	143192	0.010	1.49918	15.00000	Averaged
7 delta-BHC	281457	283865	0.010	-0.85560	15.00000	Averaged
8 Heptachlor epoxide	229695	232771	0.010	-1.33911	15.00000	Averaged
10 gamma-Chlordane	237578	243580	0.010	-2.52622	15.00000	Averaged
11 alpha-Chlordane	244100	248858	0.010	-1.94908	15.00000	Averaged
12 4,4'-DDE	230124	230393	0.010	-0.11661	15.00000	Averaged
16 Endosulfan II	178211	179235	0.010	-0.57462	15.00000	Averaged
18 Endrin aldehyde	85456	81392	0.010	4.75485	15.00000	Averaged
20 Endosulfan sulfate	146813	150899	0.010	-2.78314	15.00000	Averaged
21 Endrin ketone	151415	153422	0.010	-1.32577	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 1.64580
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020603.b/SV11013.d
Report Date: 04-Jun-2002 17:53

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11013.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv11.i/2020603.b/pest1701a.m

Injection Date: 03-JUN-2002 17:25
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	219992	247110	0.010	-12.32651	15.00000	Averaged	
2 alpha-BHC	303036	359406	0.010	-18.60192	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	295507	345700	0.010	-16.98530	15.00000	Averaged	<-
4 Heptachlor	235864	279690	0.010	-18.58086	15.00000	Averaged	<-
9 Endosulfan I	201384	226596	0.010	-12.51929	15.00000	Averaged	
13 Dieldrin	196524	222471	0.010	-13.20298	15.00000	Averaged	
14 Endrin	169361	186859	0.010	-10.33164	15.00000	Averaged	
15 4,4'-DDD	150354	167760	0.010	-11.57682	15.00000	Averaged	
17 4,4'-DDT	103400	131150	0.010	-26.83776	15.00000	Averaged	<-
19 Methoxychlor	53213	59683	0.010	-12.15894	15.00000	Averaged	
$ 22 Decachlorobiphenyl	156174	160601	0.010	-2.83428	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 14.17785
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42362	Method Blank	Water	06/05/2002 18:04

SW-846 1311/8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 13:28	TLS	133942

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-20-8	Endrin	ND	0.00100	0.020	mg/L
76-44-8	Heptachlor	ND	0.00050	0.020	mg/L
1024-57-3	Heptachlor epoxide	ND	0.00050	0.020	mg/L
72-43-5	Methoxychlor	ND	0.02500	0.020	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.020	mg/L
58-89-9	gamma-BHC (Lindane)	ND	0.00050	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	Tetrachloro-m-xylene	0.5	0.519 ug/L	104	60 - 150
2051-24-3	Decachlorobiphenyl	0.5	0.663 ug/L	133	60 - 150

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42363	Lab Control Sample	Water	06/05/2002 18:04

SW-846 1311/8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 13:58	TLS	133942

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-20-8	Endrin	0.00065J	0.00100	0.020	mg/L
76-44-8	**Heptachlor**	**0.00064**	**0.00050**	**0.020**	**mg/L**
1024-57-3	**Heptachlor epoxide**	**0.00060**	**0.00050**	**0.020**	**mg/L**
72-43-5	Methoxychlor	0.00089J	0.02500	0.020	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.020	mg/L
58-89-9	**gamma-BHC (Lindane)**	**0.00062**	**0.00050**	**0.020**	**mg/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	0.5	0.62 ug/L	124	60 - 150
2051-24-3	**Decachlorobiphenyl**	0.5	0.681 ug/L	136	60 - 150

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202052922

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	42465	84								0
02	42466	102								0
03	49NS-S-0528	102								0
04	42467	108								0
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

S1 = DCAA QC LIMITS (37-140)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42466	ORIGINAL LAB ID:	PREP BATCH: 133833
	MATRIX Water	ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0.002 mg/L	0.002	82	10 - 126
93-72-1	2,4,5-TP (Silvex)	0.002 mg/L	0.002	93	34 - 124

MS LAB ID: 42467	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133833
	MATRIX Solid	ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	0.02 mg/L	0.025	125	10 - 126
93-72-1	2,4,5-TP (Silvex)	0	0.02 mg/L	0.018	90	34 - 124

MSD LAB ID: 42468	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133833
	MATRIX Solid	ANALYTICAL BATCH: 133940

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	0.02 mg/L	0.016	81	10 - 126	43 *	0 - 40
93-72-1	2,4,5-TP (Silvex)	0.02 mg/L	0.013	64	34 - 124	34	0 - 40

LCS ID: 42363	ORIGINAL LAB ID:	PREP BATCH: 133748
	MATRIX Water	ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0.0005 mg/L	0.0006	120	37 - 142
72-43-5	Methoxychlor	0.0005 mg/L	0.00089	178 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0.0005 mg/L	0.00062	124	32 - 127
76-44-8	Heptachlor	0.0005 mg/L	0.00064	128 *	34 - 111
72-20-8	Endrin	0.0005 mg/L	0.00065	130	30 - 147

MS LAB ID: 42364	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133748
	MATRIX Solid	ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0	0.005 mg/L	0.00599	120	37 - 142
72-43-5	Methoxychlor	0	0.005 mg/L	0.00911	182 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0	0.005 mg/L	0.00609	122	32 - 127
76-44-8	Heptachlor	0	0.005 mg/L	0.00647	129 *	34 - 111
72-20-8	Endrin	0	0.005 mg/L	0.00662	132	30 - 147

MSD LAB ID: 42365	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133748
	MATRIX Solid	ANALYTICAL BATCH: 133942

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 8151A, TCLP Herbicides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/29/2002 13:00	133833	3510C	1	06/03/2002 18:20	TLS	133940

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
94-75-7	2,4'-D	ND	0.050	0.002	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.002	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
19719-28-9	DCAA	40	40.7 ug/L	102	37 - 140

RESULTS REPORTED ON A WET WEIGHT BASIS

Report Date : 07-Jun-2002 14:42

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-JUN-2002 14:07
End Cal Date : 03-JUN-2002 16:22
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv6.i/2020603.b/M8151.m
Cal Date : 05-Jun-2002 17:10 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv6.i/2020603.b/SV6002.d
Level 2: /var/chem/gcsv6.i/2020603.b/SV6003.d
Level 3: /var/chem/gcsv6.i/2020603.b/SV6004.d
Level 4: /var/chem/gcsv6.i/2020603.b/SV6005.d
Level 5: /var/chem/gcsv6.i/2020603.b/SV6006.d
Level 6: /var/chem/gcsv6.i/2020603.b/SV6007.d

Compound	6.250 Level 1	12.500 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
7 2,4-D	443765	448663	455001	366837	384754	346258	407546	11.607
8 2,4,5-TP	1505284	1506720	1543779	1396261	1427548	1252091	1438614	7.412
9 2,4,5-T	1387368	1418743	1447699	1318854	1351047	1187678	1351898	6.857
$ 2 DCAA	456437	465160	459903	364814	372212	328655	407864	14.608

Report Date : 07-Jun-2002 14:42

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 03-JUN-2002 14:07
End Cal Date	: 03-JUN-2002 16:22
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv6.i/2020603.b/M8151.m
Cal Date	: 05-Jun-2002 17:10 tls
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 10.1207876                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv6.i/2020603.b/SV6015.d
Report Date: 04-Jun-2002 18:22

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6015.d
Analysis Type: WATER
Lab Sample ID: 50 PPB CCV
Method: /var/chem/gcsv6.i/2020603.b/M8151.m

Injection Date: 03-JUN-2002 20:08
Init. Cal. Date(s): 03-JUN-2002 03-JUN-2002
Init. Cal. Times: 14:07 16:22
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 2 DCAA	407864	443744	0.010	-8.79713	15.00000	Averaged
7 2,4-D	407546	457034	0.010	-12.14282	15.00000	Averaged
8 2,4,5-TP	1438614	1508416	0.010	-4.85201	15.00000	Averaged
9 2,4,5-T	1351898	1438907	0.010	-6.43608	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.05701
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020603.b/SV6023.d
Report Date: 04-Jun-2002 18:22

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6023.d
Analysis Type: WATER
Lab Sample ID: 50 PPB CCV
Method: /var/chem/gcsv6.i/2020603.b/M8151.m

Injection Date: 03-JUN-2002 23:43
Init. Cal. Date(s): 03-JUN-2002 03-JUN-2002
Init. Cal. Times: 14:07 16:22
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 2 DCAA	407864	466640	0.010	-14.41094	15.00000	Averaged	
7 2,4-D	407546	482978	0.010	-18.50886	15.00000	Averaged	<-
8 2,4,5-TP	1438614	1565725	0.010	-8.83563	15.00000	Averaged	
9 2,4,5-T	1351898	1489406	0.010	-10.17151	15.00000	Averaged	

Average %D / Drift Results.	
Calculated Average %D/Drift =	12.98173
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42465	Method Blank	Water	06/05/2002 18:04

SW-846 1311/8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/29/2002 13:00	133833	3510C	1	06/03/2002 17:27	TLS	133940

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	ND	0.050	0.020	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	4	3.37 ug/L	84	37 - 140

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42466	Lab Control Sample	Water	06/05/2002 18:04

SW-846 1311/8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/29/2002 13:00	133833	3510C	1	06/03/2002 17:53	TLS	133940

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	0.002J	0.050	0.020	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	4	4.09 ug/L	102	37 - 140

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292201	005-49A6-S-0528-02	Solid	05/28/2002 09:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 18:23	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.0036B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292202	005-49A7-S-0528-02	Solid	05/28/2002 10:05	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 18:15	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.014B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292203	005-49A71-S-0528-02	Solid	05/28/2002 10:20	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:46	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.0097B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292204	005-49A72-S-0528-02	Solid	05/28/2002 10:30	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:38	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.040B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292205	005-49A73-S-0528-02	Solid	05/28/2002 10:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:31	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	ND	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292206	005-49A8-S-0528-02	Solid	05/28/2002 11:00	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:23	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.21	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292207	005-49A81-S-0528-02	Solid	05/28/2002 11:20	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:16	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.0038B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292208	005-49A82-S-0528-02	Solid	05/28/2002 11:35	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:09	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.0038B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292209	005-49A9-S-0528-02	Solid	05/28/2002 12:35	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 17:01	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.044B	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292210	005-49A10-S-0528-02	Solid	05/28/2002 12:45	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 16:53	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.34	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292211	005-49A101-S-0528-02	Solid	05/28/2002 12:55	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 16:46	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	ND	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292212	005-49A102-S-0528-02	Solid	05/28/2002 13:10	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 16:38	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	ND	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133453	SW-846 1311/6010B	1	05/31/2002 15:33	JAC	133724

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7440-38-2	Arsenic	ND	0.20	0.0035	mg/L
7440-39-3	Barium	0.81B	1.00	0.00060	mg/L
7440-43-9	Cadmium	ND	0.010	0.00020	mg/L
7440-47-3	Chromium	ND	0.050	0.00050	mg/L
7439-92-1	Lead	0.031B	0.10	0.0024	mg/L
7782-49-2	Selenium	ND	0.10	0.0043	mg/L
7440-22-4	Silver	ND	0.050	0.00040	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

SW-846 TCLP Mercury

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/30/2002 17:55	133455	SW-846 1311/7470A	1	05/31/2002 11:43	JAC	133723

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-97-6	Mercury	ND	0.00020	0.00008	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 100-50-4
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1023

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Antimony	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Arsenic	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Beryllium	1.00	0.99	99	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	0.99	99	mg/L	SW-846 1311/6010B	P
Calcium	1.00	1.06	106	mg/L	SW-846 1311/6010B	P
Chromium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Cobalt	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Copper	1.00	0.94	94	mg/L	SW-846 1311/6010B	P
Iron	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Lead	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Magnesium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Manganese	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Molybdenum	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Nickel	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Selenium	1.00	0.98	98	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Thallium	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Titanium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Vanadium	1.00	0.98	98	mg/L	SW-846 1311/6010B	P
Zinc	1.00	0.98	98	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202052922

Calibration Source: 100-40-1

Instrument ID: ICP5 ICAL ID: 2

Date Analyzed: 05/31/02 Time: 1030

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Potassium	10.0	9.76	98	mg/L	SW-846 1311/6010B	P
Sodium	10.0	9.74	97	mg/L	SW-846 1311/6010B	P
Zirconium	1.00	0.98	98	mg/L	SW-846 1311/6010B	P
Aluminum	10.0	9.95	99	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Boron	5.00	4.73	95	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202052922

Calibration Source: 1-1-1 Instrument ID: ICP5 ICAL ID: 2

Date Analyzed: 05/31/02 Time: 1116

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.91	98	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.51	103	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.93	99	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.94	99	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.51	101	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.94	99	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.66	97	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Sodium	20.0	19.4	97	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.47	94	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1308

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.97	99	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.95	99	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.46	92	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.00	100	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.00	100	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.65	97	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Sodium	20.0	19.7	98	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.46	91	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1442

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.86	97	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.86	97	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.46	93	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.86	97	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.91	98	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.86	99	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Sodium	20.0	19.9	99	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.46	91	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1616

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.98	100	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.48	95	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.47	94	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.02	100	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.45	91	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.00	100	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.05	101	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.71	97	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.48	95	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.47	95	mg/L	SW-846 1311/6010B	P
Sodium	20.0	20.2	101	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.47	94	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.44	89	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1753

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Arsenic	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.48	95	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.48	95	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.47	94	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.89	98	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.48	95	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.45	90	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.83	97	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.92	98	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.93	99	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.47	95	mg/L	SW-846 1311/6010B	P
Sodium	20.0	21.0	105	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.47	94	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.44	88	mg/L	SW-846 1311/6010B	P
Aluminum	5.00	4.85	97	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 05/31/02 Time: 1928

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.75	95	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.77	95	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.47	93	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.72	94	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.79	96	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Potassium	10.0	9.67	97	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.48	96	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Sodium	20.0	19.4	97	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.61	122	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 100-50-6 Solutions Plus
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 05/31/02 Time: 1124

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00494	99	mg/L	SW-846 1311/7470A	AV

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 05/31/02 Time: 1128

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00523	105	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 05/31/02 Time: 1149

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00531	106	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202052922

Calibration Source: 100-50-5 SPEX

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 05/31/02 Time: 1200

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00508	102	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 05/31/02 Time: 1451

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00499	100	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202052922

Calibration Source: 100-50-5 SPEX

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 05/31/02 Time: 1511

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00494	99	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: ICB
ICAL ID: 2
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1000

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.00058	B	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1148

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1322

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1457

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: 42128
ICAL ID: 2
Lab Sample DESC: MB FOR HBN 133453
Preparation Blank Matrix: (soil / water) Water
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1519

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.20	U	mg/L	0.0035	0.20	SW-846 1311/6010B	P
Barium	0.00096	B	mg/L	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.010	U	mg/L	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0011	B	mg/L	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.10	U	mg/L	0.0024	0.10	SW-846 1311/6010B	P
Selenium	0.0090	B	mg/L	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	U	mg/L	0.00040	0.050	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1631

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1808

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 05/31/02 Time: 1943

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.00094	B	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.0022	B	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: ICB
ICAL ID: 1
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1126

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1129

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: 42135
ICAL ID: 1
Lab Sample DESC: MB FOR HBN 133455
Preparation Blank Matrix: (soil / water) Water
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1139

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1151

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1202

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1453

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202052922
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 05/31/02 Time: 1513

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202052922

ICP ID Number: ICP5 ICS Source: 1-1-1 ~100-21-3

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	202	205	102			
Antimony	0	1.00		0.98	98			
Arsenic	0	1.00		1.02	102			
Barium	0	0.50		0.51	102			
Beryllium	0	0.50		0.50	100			
Boron	0	1.00		0.99	99			
Cadmium	0	1.00		0.96	96			
Calcium	200	200	192	194	97			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.48	96			
Copper	0	0.50		0.45	90			
Iron	80.0	80.0	76.9	78.1	98			
Lead	0	1.00		0.99	99			
Magnesium	200	200	193	197	98			
Manganese	0	0.50		0.50	100			
Molybdenum	0	1.00		1.03	103			
Nickel	0	1.00		0.93	93			
Selenium	0	1.00		1.03	103			
Silver	0	1.00		1.07	107			
Thallium	0	1.00		1.04	104			
Vanadium	0	0.50		0.51	102			
Zinc	0	1.00		0.97	97			

QUALITY CONTROL SUMMARY

LCS ID: 42136	ORIGINAL LAB ID:	PREP BATCH: 133455
	MATRIX Water	ANALYTICAL BATCH: 133723

SW-846 1311/7470A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7439-97-6	Mercury	0.005 mg/L	0.00584	117	80 - 120

MS LAB ID: 42137	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133455
	MATRIX Solid	ANALYTICAL BATCH: 133723

SW-846 1311/7470A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7439-97-6	Mercury	0	0.005 mg/L	0.0055	110	75 - 125

DUPLICATE SAMPLE ID: 42138	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133455
	MATRIX Solid	ANALYTICAL BATCH: 133723

SW-846 1311/7470A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
7439-97-6	Mercury	0	0	0	0 - 20

MSD LAB ID: 42139	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133455
	MATRIX Solid	ANALYTICAL BATCH: 133723

SW-846 1311/7470A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
7439-97-6	Mercury	0.005 mg/L	0.00593	119	75 - 125	8	0 - 20

LCS ID: 42129	ORIGINAL LAB ID:	PREP BATCH: 133453
	MATRIX Water	ANALYTICAL BATCH: 133724

SW-846 1311/6010B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7440-38-2	Arsenic	1 mg/L	1.04	104	80 - 120
7440-39-3	Barium	1 mg/L	1.01	101	80 - 120
7440-43-9	Cadmium	1 mg/L	1	100	80 - 120
7440-47-3	Chromium	1 mg/L	0.97	97	80 - 120
7439-92-1	Lead	1 mg/L	1	100	80 - 120
7782-49-2	Selenium	1 mg/L	1.15	115	80 - 120
7440-22-4	Silver	1 mg/L	1.03	103	80 - 120

DUPLICATE SAMPLE ID: 42130	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133453
	MATRIX Solid	ANALYTICAL BATCH: 133724

SW-846 1311/6010B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
7440-38-2	Arsenic	0	0	0	0 - 20
7440-39-3	Barium	0.81	0.82	1	0 - 20
7440-43-9	Cadmium	0	0	0	0 - 20

QUALITY CONTROL SUMMARY

7440-47-3	Chromium	0	0	0	0 - 20
7439-92-1	Lead	0.031	0.032	3	0 - 20
7782-49-2	Selenium	0	0	0	0 - 20
7440-22-4	Silver	0	0	0	0 - 20

MS LAB ID: 42131 ORIGINAL LAB ID: 20205292213 PREP BATCH: 133453
MATRIX Solid ANALYTICAL BATCH: 133724

SW-846 1311/6010B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7440-38-2	Arsenic	0	1 mg/L	1.05	105	75 - 125
7440-39-3	Barium	0.81	1 mg/L	1.83	102	75 - 125
7440-43-9	Cadmium	0	1 mg/L	0.99	99	75 - 125
7440-47-3	Chromium	0	1 mg/L	0.99	99	75 - 125
7439-92-1	Lead	0.031	1 mg/L	1.03	100	75 - 125
7782-49-2	Selenium	0	1 mg/L	1.14	114	75 - 125
7440-22-4	Silver	0	1 mg/L	1.06	106	75 - 125

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

9045C Solid - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	05/30/2002 09:30	OLT	133120

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	6.78	2.00		pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134126	7.3.3.2	1	06/04/2002 14:48	BMC	134454

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	125	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134127	7.3.4.2	1	06/04/2002 13:00	HLO	135323

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205292213	005-49NS-S-0528-02	Solid	05/28/2002 13:40	05/29/2002 10:00	05/29/2002 10:00

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	05/31/2002 18:15	HLO	135832

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-3	FlashPoint	NO			

RESULTS REPORTED ON A WET WEIGHT BASIS

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42715	Method Blank	Solid	06/04/2002 18:19

9012A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134126	7.3.3.2	1	06/04/2002 14:48	BMC	134454

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
57-12-5R	Reactivity Cyanide	ND	250	0.020	mg/kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42718	Method Blank	Solid	06/05/2002 12:22

9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134127	7.3.4.2	1	06/04/2002 13:00	HLO	135323

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
18496-25-	Reactivity Sulfide	ND	80	0.020	mg/kg

QUALITY CONTROL SUMMARY

DUPLICATE SAMPLE ID: 41872 | ORIGINAL LAB ID: 20205292213 | PREP BATCH:
MATRIX Solid | ANALYTICAL BATCH: 133120

SW-846 9045

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	6.78	6.75	0.44	- 6

LCS ID: 42716 | ORIGINAL LAB ID: | PREP BATCH: 134126
MATRIX Solid | ANALYTICAL BATCH: 134454

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/kg	33	13.2	1 - 25

DUPLICATE SAMPLE ID: 42717 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 134126
MATRIX Solid | ANALYTICAL BATCH: 134454

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

LCS ID: 42719 | ORIGINAL LAB ID: | PREP BATCH: 134127
MATRIX Solid | ANALYTICAL BATCH: 135323

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/kg	777	77.7	47 - 106

DUPLICATE SAMPLE ID: 42720 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 134127
MATRIX Solid | ANALYTICAL BATCH: 135323

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

CH2M Hill Constructors, Inc. / 4386 / 200053920 / Due 6/5/02

15 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER: 148799-50

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
NAS Cecil Field	148799	Gulf Coast Labs DANA	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
VC - Site 49-Skeet Range	CTO 005	4169	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Paul Malewicki	PH (904)777-4812 FAX (904) 777-4262	Phone: 740-373-4071 Fax: 740-373-4835	Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.263 FAX:604-9282

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	8260B TCLP Volitiles	8270C TCLP SemiVols	8081A TCLP Pest.	8151A TCLP Herb.	6010B/7471 TCLP Metals	TCLP LEAD	Ignitability1030	Corrosivity9045A	ReactivityChap 7.3		SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID 200053920
1	005-49A6-S-0528-02	Waste Characterization	S	05/28/02	9:45	III/B	7		x				x					Composite	Page 1 0f 2	-1
2	005-49A7-S-0528-02	Waste Characterization	S	05/28/02	10:05	III/B	7		x				x					Composite		2
3	005-49A71-S-0528-02	Waste Characterization	S	05/28/02	10:20	III/B	7		x				x					Composite		3
4	005-49A72-S-0528-02	Waste Characterization	S	05/28/02	10:30	III/B	7		x				x					Composite		4
5	005-49A73-S-0528-02	Waste Characterization	S	05/28/02	10:45	III/B	7		x				x					Composite		5
6	005-49A8-S-0528-02	Waste Characterization	S	05/28/02	11:00	III/B	7		x				x					Composite		6
7	005-49A81-S-0528-02	Waste Characterization	S	05/28/02	11:20	III/B	7		x				x					Composite		7
8	005-49A82-S-0528-02	Waste Characterization	S	05/28/02	11:35	III/B	7		x				x					Composite		8
9	005-49A9-S-0528-02	Waste Characterization	S	05/28/02	12:35	III/B	7		x				x					Composite		9
10	005-49A10-S-0528-02	Waste Characterization	S	05/28/02	12:45	III/B	7		x				x					Composite		10

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Paul Malewicki / Dave Keul JAJES		Good 3°C

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Paul Malewicki JAJES Paul Malewicki	5/28/02	15:00	Printed Name and Signature:		
Printed Name and Signature: Fed Ex # 833151582733	5/29/02	1000	Printed Name and Signature: Anne Kincheon	5/29/02	1000

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 02/00

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

/4380 / 202052928 / Due 6/5/02

CHAIN-OF-CUSTODY RECORD

COC NUMBER: 148799-51

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
NAS Cecil Field	148799	Gulf Coast Labs DANA	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
WC - Site 49-Skeet Range	CTO 005	4169	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Paul Malewicki	PH (904)777-4812 FAX (904) 777-4262	Phone: 740-373-4071 Fax: 740-373-4835	Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.263 FAX:604-9282

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	8260B TCLP Volatiles	8270C TCLP SemiVols	8081A TCLP Pest.	8151A TCLP Herb.	6010B/7471 TCLP Metals	TCLP LEAD	Ignitability1030	Corrosivity9045A	ReactivityChap 7.3		SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	005-49A101-S-0528-02	Waste Characterization	S	05/28/02	12:55	III/B	7		x				x					Composite	Page 2 of 2	202052928 - 11
2	005-49A102-S-0528-02	Waste Characterization	S	05/28/02	13:10:00 PM	III/B	7		x				x					Composite		12
3	005-49NS-S-0528-02	Waste Characterization	S	05/28/02	13:40:00 PM	III/B	7	x	x	x	x	x		x	x	x		Composite		13
4	Trip Blank																			-14
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Paul Malewicki / Dave Keul JAJES		good 50C

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Paul Malewicki JAJES [signature]	5/28/02	15:00	Printed Name and Signature:		
Printed Name and Signature: FedEx # 8331 5158 2733	5/29/02	1000	Printed Name and Signature: [signature]	5/30/02	1000

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 02/00

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	202052922	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	NAS Cecil Field	**Status:**	WP
Project Seq:	6067	**Created:**	5/29/02 14:35
Client:	4380 - CH2M HILL Constructors Inc.	**QA:**	
Profile:	29790 - CTO 0005 - NAS Cecil Field	**PO:**	4139

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20205292201-1	8	NONE			X			X	OK
20205292202-1	8	NONE			X			X	OK
20205292203-1	8	NONE			X			X	OK
20205292204-1	8	NONE			X			X	OK
20205292205-1	8	NONE			X			X	OK
20205292206-1	8	NONE			X			X	OK
20205292207-1	8	NONE			X			X	OK
20205292208-1	8	NONE			X			X	OK
20205292209-1	8	NONE			X			X	OK
20205292210-1	8	NONE			X			X	OK
20205292211-1	8	NONE			X			X	OK

000147

Container ID	Type	Preservative	pH PRESERVATIVE A	U	N\A	VOA HEADSPACE A	U	N\A	CONTAINER CONDITION
20205292212-1	8	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20205292213-1	LC	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20205292214-1	40	NONE			X				OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 4MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

CUSTODIAN AWK

GULF COAST
ANALYTICAL LABORATORIES, INC.

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 06/07/2002

GCAL REPORT NO.: 202053013

Deliver To:	CH2M HILL Constructors Inc. 115 Perimeter Center Place N.E., Suite 700 Atlanta, GA 30346-1278 770-604-9182 Ext. 562
Attn:	Tatianna Romanova

CUSTOMER NAME: CH2M HILL Constructors Inc.

PROJECT NAME: NAS Cecil Field

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202053013

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: In the Semivolatile analysis, one Base-Neutral for sample 20205301301 (005-49A1-s-0529-02) surrogate was outside of the control limit.

The surrogate recovery for Bromofluorobenzene is slightly above limits in the associated LCS. All other surrogate recoveries were within control limits.

All other surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): In the SemiVolatile analysis, the recovery for Pyridine was below the control limits in the MS/MSD for QC batch #133959; however, all recoveries were within control limits in the LCS.

In the Herbicide analysis, the RPD's for 2,4-D and 2,4,5-TP were out of control limits in the MS/MSD for QC batch #134050; however, the recoveries were within limits.

All other MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: In the Volatile analysis, the recovery for Vinyl Chloride is above the control limits in the LCS and MS for QC batch #133838.

In the Pesticide analysis, Heptaclor and Methoxyclor were recovered above the limits in the LCS for QC batch #133942, however there were no target analytes present in the samples.

No other unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): All S/D recoveries were within quality control criteria.

Laboratory Control Samples: All LCS analyses met quality control criteria.

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202053013

INORGANIC QUALITY CONTROL CRITERIA:

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: The RPD's for duplicate Cadmium, Chromium and Selenium analysis are above the control limits for QC batch #134125; however, these RPD's are not applicable because the sample duplicate concentration is less than the reporting limit.

No other unusual analytical problems were encountered during the analysis of these samples.

LABORATORY ENDORSEMENT

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

ND-Indicates that the result was not detected at the specified Reporting Limit (RDL)
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous To Count
J-Indicates that the result was detected between the RDL and the MDL
U-Indicates that the result was not detected at the RDL
SUBC-Indicates that the analysis was Sub-contracted
FLD-Indicates that the result was performed in the field by the client
B- (ORGANICS) Indicates that the analyte was detected in the associated Method Blank
B- (INORGANICS) Indicates that the result is between the RDL and MDL
00:00 Reported as a time is equivalent to 24:00

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the CCI contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

SCOTT A. BAILEY
OPERATIONS MANAGER

GCAL REPORT NO.: 202053013

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20205301301	005-49A1-S-0529-02	Solid	05/29/2002 10:40	05/30/2002 09:00
20205301302	005-49A2-S-0529-02	Solid	05/29/2002 11:00	05/30/2002 09:00
20205301303	005-49A21-S-0529-02	Solid	05/29/2002 11:15	05/30/2002 09:00
20205301304	005-49A3-S-0529-02	Solid	05/29/2002 11:25	05/30/2002 09:00
20205301305	005-49A4-S-0529-02	Solid	05/29/2002 11:30	05/30/2002 09:00
20205301306	005-49A5-S-0529-02	Solid	05/29/2002 11:35	05/30/2002 09:00
20205301307	005-49A11-S-0529-02	Solid	05/29/2002 11:40	05/30/2002 09:00
20205301308	005-49A11A-S-0529-02	Solid	05/29/2002 23:50	05/30/2002 09:00
20205301309	005-49A11B-S-0529-02	Solid	05/29/2002 12:10	05/30/2002 09:00
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00
20205301311	TRIP BLANK	Water		05/30/2002 09:00

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	42500	102	104	98	119*	0
02	42499	110	110	100	108	0
03	005-49SA-S	116	110	98	102	0
04	TRIP BLANK	103	105	97	96	0
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

			QC LIMITS
SMC1	=	Dibromofluoromethane	(70-130)
SMC2 (DCE)	=	1,2-Dichloroethane-d4	(76-128)
SMC3 (TOL)	=	Toluene-d8	(83-112)
OTHER (BFB)	=	Bromofluorobenzene	(78-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

QUALITY CONTROL SUMMARY

LCS ID: 42500	ORIGINAL LAB ID:	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0.05 mg/L	0.057	115	70 - 140
67-66-3	Chloroform	0.05 mg/L	0.054	109	80 - 124
107-06-2	1,2-Dichloroethane	0.05 mg/L	0.049	98	79 - 134
78-93-3	2-Butanone	0.05 mg/L	0.057	113	59 - 157
127-18-4	Tetrachloroethene	0.05 mg/L	0.056	113	75 - 140
75-01-4	Vinyl chloride	0.05 mg/L	0.065	131 *	68 - 127
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.059	117	67 - 140
71-43-2	Benzene	0.05 mg/L	0.054	108	74 - 128
79-01-6	Trichloroethene	0.05 mg/L	0.054	107	63 - 118
108-90-7	Chlorobenzene	0.05 mg/L	0.053	105	78 - 125

MS LAB ID: 42732	ORIGINAL LAB ID: 20206010603	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0	0.05 mg/L	0.06	121	70 - 140
67-66-3	Chloroform	0	0.05 mg/L	0.055	110	80 - 124
107-06-2	1,2-Dichloroethane	0	0.05 mg/L	0.048	97	79 - 134
78-93-3	2-Butanone	0.00369	0.05 mg/L	0.054	100	60 - 140
127-18-4	Tetrachloroethene	0	0.05 mg/L	0.056	113	75 - 140
75-01-4	Vinyl chloride	0	0.05 mg/L	0.065	129 *	68 - 127
75-35-4	1,1-Dichloroethene	0	0.05 mg/L	0.057	115	61 - 145
71-43-2	Benzene	0	0.05 mg/L	0.054	109	76 - 127
79-01-6	Trichloroethene	0.00143	0.05 mg/L	0.052	101	71 - 120
108-90-7	Chlorobenzene	0	0.05 mg/L	0.05	99	75 - 130

MSD LAB ID: 42733	ORIGINAL LAB ID: 20206010603	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 133838

SW-846 1311/8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
56-23-5	Carbon tetrachloride	0.05 mg/L	0.054	107	70 - 140	12	0 - 30
67-66-3	Chloroform	0.05 mg/L	0.051	101	80 - 124	9	0 - 30
107-06-2	1,2-Dichloroethane	0.05 mg/L	0.047	95	79 - 134	2	0 - 30
78-93-3	2-Butanone	0.05 mg/L	0.047	86	60 - 140	15	0 - 30
127-18-4	Tetrachloroethene	0.05 mg/L	0.052	103	75 - 140	9	0 - 30
75-01-4	Vinyl chloride	0.05 mg/L	0.06	119	68 - 127	8	0 - 30
75-35-4	1,1-Dichloroethene	0.05 mg/L	0.053	106	61 - 145	8	0 - 14
71-43-2	Benzene	0.05 mg/L	0.05	101	76 - 127	8	0 - 11
79-01-6	Trichloroethene	0.05 mg/L	0.048	93	71 - 120	8	0 - 14

QUALITY CONTROL SUMMARY

108-90-7	Chlorobenzene	0.05 mg/L	0.046	92	75 - 130	7	0 - 13

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202052922 SAS No.: SDG No.: 202053013

Lab File ID: R5177 BFB Injection Date: 06/03/02

Instrument ID: MSV0 BFB Injection Time: 0926

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	80.1
175	5.0 - 9.0% of mass 174	6.2 (7.7)1
176	95.0 - 101.0% of mass 174	76.5 (95.5)1
177	5.0 - 9.0% of mass 176	5.4 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD00.2	V0STD00.2	R5179	06/03/02	1018
02	V0STD00.4	V0STD00.4	R5180	06/03/02	1041
03	V0STD002	V0STD002	R5181	06/03/02	1104
04	V0STD005	V0STD005	R5182	06/03/02	1128
05	V0STD020	V0STD020	R5183	06/03/02	1152
06	V0STD050	V0STD050	R5184	06/03/02	1217
07	V0STD100	V0STD100	R5185	06/03/02	1238
08	V0STD200	V0STD200	R5186	06/03/02	1300
09	V0ICV050	V0ICV050	R5188	06/03/02	1344
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Lab File ID: R5189 BFB Injection Date: 06/03/02

Instrument ID: MSV0 BFB Injection Time: 1407

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	50.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	79.6
175	5.0 - 9.0% of mass 174	4.0 (5.0)1
176	95.0 - 101.0% of mass 174	76.3 (95.8)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD050	V0STD050	R5190	06/03/02	1440
02	42500	42500	R5191	06/03/02	1502
03	42499	42499	R5194	06/03/02	1648
04	005-49SA-S	20205301310	R5209T	06/03/02	2244
05	TRIP BLANK	20205301311	R5210T	06/03/02	2306
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Lab File ID (Standard): R5190 Date Analyzed: 06/03/02

Instrument ID: MSV0 Time Analyzed: 1440

GC Column: DB-624-30M ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1917653	5.90	836047	8.15	502234	9.76
	UPPER LIMIT	3835306	6.40	1672094	8.65	1004468	10.26
	LOWER LIMIT	958826	5.40	418024	7.65	251117	9.26
	EPA SAMPLE NO.						
01	42500	1608133	5.90	685679	8.15	351248	9.75
02	42499	1699763	5.91	721584	8.15	424920	9.75
03	005-49SA-S	1465433	5.90	650203	8.14	412758	9.74
04	TRIP BLANK	1706575	5.90	681274	8.15	463918	9.74
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = FLUOROBENZENE
IS2 (CBZ) = CHLOROBENZENE-d5
IS3 (DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 8260B, TCLP Volatiles

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			40	06/03/2002 22:44	RSP	133838

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
75-35-4	1,1-Dichloroethene	ND	0.200	0.019	mg/L
107-06-2	1,2-Dichloroethane	ND	0.200	0.017	mg/L
78-93-3	2-Butanone	ND	1.00	0.022	mg/L
71-43-2	Benzene	ND	0.200	0.017	mg/L
56-23-5	Carbon tetrachloride	ND	0.200	0.014	mg/L
108-90-7	Chlorobenzene	ND	0.200	0.018	mg/L
67-66-3	Chloroform	ND	0.200	0.018	mg/L
127-18-4	Tetrachloroethene	ND	0.200	0.016	mg/L
79-01-6	Trichloroethene	ND	0.200	0.017	mg/L
75-01-4	Vinyl chloride	ND	0.200	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	2000	2140 ug/L	107	78 - 115
1868-53-7	Dibromofluoromethane	2000	2320 ug/L	116	70 - 130
2037-26-5	Toluene d8	2000	1960 ug/L	98	83 - 112
17060-07-0	1,2-Dichloroethane-d4	2000	2190 ug/L	110	76 - 128

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301311	TRIP BLANK	Water		05/30/2002 09:00	06/07/2002 15:50

SW-846 8260B, TCLP Volatiles

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			40	06/03/2002 23:06	RSP	133838

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
75-35-4	1,1-Dichloroethene	ND	0.200	0.019	mg/L
107-06-2	1,2-Dichloroethane	ND	0.200	0.017	mg/L
78-93-3	2-Butanone	ND	1.00	0.022	mg/L
71-43-2	Benzene	ND	0.200	0.017	mg/L
56-23-5	Carbon tetrachloride	ND	0.200	0.014	mg/L
108-90-7	Chlorobenzene	ND	0.200	0.018	mg/L
67-66-3	Chloroform	ND	0.200	0.018	mg/L
127-18-4	Tetrachloroethene	ND	0.200	0.016	mg/L
79-01-6	Trichloroethene	ND	0.200	0.017	mg/L
75-01-4	Vinyl chloride	ND	0.200	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	2000	2000 ug/L	100	78 - 115
1868-53-7	Dibromofluoromethane	2000	2060 ug/L	103	70 - 130
2037-26-5	Toluene d8	2000	1950 ug/L	98	83 - 112
17060-07-0	1,2-Dichloroethane-d4	2000	2100 ug/L	105	76 - 128

RESULTS REPORTED ON A WET WEIGHT BASIS

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.490	0.605	0.741	0.960	0.920		*
Chloromethane ++ *	0.153	0.166	0.189	0.173	0.183		*
Vinyl Chloride + *	0.140	0.157	0.195	0.199	0.201		*
Bromomethane *	0.105	0.120	0.124	0.126	0.116		*
Chloroethane	0.097	0.112	0.110	0.095	0.096		
Trichlorofluoromethane *	0.316	0.385	0.449	0.435	0.219		*
Acrolein *	0.008	0.007	0.010	0.010	0.009		*
1,1-Dichloroethene + *	0.126	0.148	0.176	0.176	0.183		*
1,1,2Trichlorotrifluoroethan*	0.141	0.186	0.213	0.216	0.229		*
Acetone *	0.080	0.081	0.065	0.072	0.073		*
Methyl Iodide *	0.324	0.372	0.419	0.419	0.438		*
Carbon Disulfide *	0.555	0.567	0.656	0.656	0.696		*
Methylene Chloride *	0.318	0.276	0.293	0.287	0.289		*
Acrylonitrile *	0.074	0.075	0.081	0.082	0.083		*
trans-1,2-Dichloroethene *	0.263	0.290	0.331	0.328	0.332		*
MTBE *	0.583	0.684	0.784	0.792	0.816		*
1,1-Dichloroethane ++ *	0.370	0.405	0.440	0.440	0.450		*
Vinyl Acetate *	0.174	0.179	0.198	0.197	0.207		*
cis-1,2-Dichloroethene *	0.348	0.389	0.427	0.427	0.433		*
2,2-Dichloropropane *	0.336	0.386	0.429	0.428	0.439		*
2-Butanone *	0.122	0.120	0.102	0.107	0.110		*
Bromochloromethane *	0.116	0.133	0.150	0.150	0.160		*
Chloroform + *	0.466	0.485	0.525	0.521	0.536		*
1,1,1-Trichloroethane *	0.386	0.438	0.494	0.491	0.508		*
Total 1,2-Dichloroethene *	0.204	0.226	0.253	0.252	0.255		*
1,1-Dichloropropene *	0.260	0.300	0.347	0.352	0.367		*
Carbon Tetrachloride *	0.322	0.389	0.450	0.452	0.465		*
1,2-Dichloroethane *	0.421	0.436	0.480	0.470	0.465		*
Benzene *	0.809	0.903	0.981	0.984	0.970		*
Trichloroethene *	0.203	0.234	0.262	0.264	0.285		*
1,2-Dichloropropane + *	0.194	0.217	0.228	0.228	0.228		*
Dibromomethane *	0.133	0.151	0.162	0.163	0.171		*
Bromodichloromethane *	0.314	0.361	0.397	0.397	0.408		*
2-Chloroethyl vinyl ether *	0.099	0.130	0.151	0.152	0.168		*
cis-1,3-Dichloropropene *	0.301	0.366	0.426	0.424	0.440		*
4-methyl-2-pentanone *	0.031	0.215	0.220	0.227	0.235		*
Toluene + *	0.764	0.850	0.952	0.971	1.039		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
trans-1,3-Dichloropropene	*	0.308	0.372	0.426	0.440	0.454			*
1,1,2-Trichloroethane	*	0.180	0.188	0.209	0.215	0.224			*
1,3-Dichloropropane	*	0.301	0.338	0.382	0.378	0.387			*
Tetrachloroethene	*	0.148	0.170	0.199	0.205	0.228			*
2-Hexanone	*	0.351	0.364	0.362	0.334	0.394			*
Dibromochloromethane	*	0.621	0.694	0.728	0.688	0.805			*
1,2-Dibromoethane(EDB)	*	0.495	0.538	0.565	0.533	0.623			*
Chlorobenzene ++	*	1.501	1.582	1.597	1.486	1.756			*
1,1,1,2-Tetrachloroethane	*	0.592	0.628	0.654	0.612	0.714			*
Ethylbenzene +	*	0.686	0.742	0.762	0.535	0.839			*
p,m-Xylene	*	0.862	0.959	0.954	0.714	0.986			*
o-Xylene	*	0.818	0.929	0.887	0.561	0.870			*
Styrene	*	1.412	1.657	1.622	1.084	1.661			*
Bromoform ++	*	0.423	0.440	0.481	0.450	0.539			*
Isopropylbenzene	*	2.263	2.581	2.704	2.135	2.878			*
1,1,2,2-Tetrachloroethane++	*	0.816	0.782	0.890	1.222	1.137			*
trans-1,4-Dichloro-2-Butene	*	0.237	0.247	0.291	0.400	0.334			*
1,2,3-Trichloropropane	*	1.176	1.180	1.312	1.724	1.585			*
Bromobenzene	*	1.876	1.922	2.120	2.650	2.665			*
n-Propylbenzene	*	3.194	3.561	3.853	3.644	4.318			*
2-Chlorotoluene	*	2.468	2.681	2.641	2.407	2.808			*
1,3,5-Trimethylbenzene	*	2.007	2.180	2.116	2.196	1.612			*
4-Chlorotoluene	*	2.475	2.579	2.815	2.398	2.702			*
tert-butylbenzene	*	1.710	1.912	2.044	1.994	2.169			*
1,2,4-Trimethylbenzene	*	2.043	2.193	2.087	2.256	1.707			*
sec-Butylbenzene	*	2.830	3.242	3.585	3.403	3.648			*
p-Isopropyltoluene	*	2.261	2.584	2.805	2.730	3.026			*
1,3-Dichlorobenzene	*	1.438	1.475	1.512	1.434	1.543			*
1,4-Dichlorobenzene	*	1.582	1.615	1.683	1.556	1.591			*
TOTAL XYLENE	*	0.847	0.949	0.932	0.663	0.947			*
n-Butylbenzene	*	1.989	2.071	2.116	2.302	1.845			*
1,2-Dichlorobenzene	*	1.374	1.396	1.479	1.420	1.431			*
1,2-Dibromo-3-Chloropropane	*	0.188	0.176	0.209	0.283	0.288			*
1,2,4-Trichlorobenzene	*	0.669	0.722	0.766	0.957	0.897			*
Hexachlorobutadiene	*	0.548	0.565	0.635	0.702	0.695			*
Naphthalene	*	1.546	1.680	1.774	2.172	2.081			*
1,2,3-Trichlorobenzene	*	0.640	0.653	0.721	0.885	0.853			*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5182 RRF20 =R5183
RRF50 =R5184 RRF100=R5185 RRF200=R5186

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Hexane *	0.254	0.273	0.316	0.318	0.340		*
Cyclohexane *	0.255	0.334	0.397	0.401	0.425		*
Methyl Acetate *	0.146	0.171	0.181	0.170	0.175		*
Methyl Cyclohexane *	0.227	0.320	0.370	0.381	0.402		*
Dibromofluoromethane *	0.301	0.293	0.311	0.326	0.328		*
1,2-Dichloroethane-d4 *	0.176	0.178	0.191	0.200	0.200		*
Toluene-d8 *	2.182	2.136	2.046	2.011	2.318		*
Bromofluorobenzene *	0.861	0.854	0.900	1.098	1.218		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *						0.743	27.0*
Chloromethane ++ *			0.169			0.172	7.4*
Vinyl Chloride + *			0.125		0.112	0.161	23.2*
Bromomethane *			0.144	0.178		0.130	18.4*
Chloroethane						0.102	8.1
Trichlorofluoromethane *						0.361	26.3*
Acrolein *						0.009	13.4*
1,1-Dichloroethene + *						0.162	14.9*
1,1,2Trichlorotrifluoroethan*						0.197	17.6*
Acetone *						0.074	9.1*
Methyl Iodide *						0.394	11.8*
Carbon Disulfide *						0.626	9.9*
Methylene Chloride *						0.293	5.3*
Acrylonitrile *						0.079	5.0*
trans-1,2-Dichloroethene *						0.309	10.0*
MTBE *						0.732	13.3*
1,1-Dichloroethane ++ *						0.421	7.9*
Vinyl Acetate *						0.191	7.3*
cis-1,2-Dichloroethene *						0.405	9.0*
2,2-Dichloropropane *						0.404	10.6*
2-Butanone *						0.112	7.6*
Bromochloromethane *						0.142	12.3*
Chloroform + *						0.507	5.9*
1,1,1-Trichloroethane *						0.463	10.9*
Total 1,2-Dichloroethene *			0.237			0.238	8.4*
1,1-Dichloropropene *						0.325	13.6*
Carbon Tetrachloride *			0.355			0.406	14.6*
1,2-Dichloroethane *			0.696			0.495	20.5*
Benzene *				1.380		1.004	19.5*
Trichloroethene *			0.276			0.254	12.0*
1,2-Dichloropropane + *						0.219	6.8*
Dibromomethane *						0.156	9.5*
Bromodichloromethane *			0.496		0.457	0.404	14.8*
2-Chloroethyl vinyl ether *						0.140	18.9*
cis-1,3-Dichloropropene *						0.391	14.8*
4-methyl-2-pentanone *						0.186	46.6*
Toluene + *						0.915	11.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
trans-1,3-Dichloropropene *						0.400	15.1*
1,1,2-Trichloroethane *						0.203	9.2*
1,3-Dichloropropane *						0.357	10.3*
Tetrachloroethene *			0.176			0.188	15.4*
2-Hexanone *						0.361	6.1*
Dibromochloromethane *			1.058		0.875	0.781	18.9*
1,2-Dibromoethane(EDB) *			0.859		0.675	0.612	20.3*
Chlorobenzene ++ *						1.584	6.8*
1,1,1,2-Tetrachloroethane *						0.640	7.4*
Ethylbenzene + *						0.713	15.9*
p,m-Xylene *						0.895	12.4*
o-Xylene *						0.813	18.0*
Styrene *						1.487	16.6*
Bromoform ++ *			0.733			0.511	22.8*
Isopropylbenzene *						2.512	12.3*
1,1,2,2-Tetrachloroethane++ *			1.229		1.621	1.100	27.0*
trans-1,4-Dichloro-2-Butene *						0.302	22.2*
1,2,3-Trichloropropane *						1.395	17.8*
Bromobenzene *						2.247	17.2*
n-Propylbenzene *						3.714	11.1*
2-Chlorotoluene *						2.601	6.3*
1,3,5-Trimethylbenzene *						2.022	11.9*
4-Chlorotoluene *						2.594	6.5*
tert-butylbenzene *						1.966	8.7*
1,2,4-Trimethylbenzene *						2.057	10.4*
sec-Butylbenzene *						3.342	9.8*
p-Isopropyltoluene *						2.681	10.6*
1,3-Dichlorobenzene *						1.480	3.2*
1,4-Dichlorobenzene *						1.605	3.0*
TOTAL XYLENE *						0.868	14.0*
n-Butylbenzene *						2.065	8.1*
1,2-Dichlorobenzene *						1.420	2.8*
1,2-Dibromo-3-Chloropropane *			0.311		0.394	0.264	29.5*
1,2,4-Trichlorobenzene *						0.802	15.1*
Hexachlorobutadiene *						0.629	11.4*
Naphthalene *						1.851	14.4*
1,2,3-Trichlorobenzene *						0.750	15.1*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Calibration Time(s): 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5181 RRF0.4=R5180 RRF0.2=R5179

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Hexane *						0.300	11.9*
Cyclohexane *						0.362	19.0*
Methyl Acetate *						0.169	7.9*
Methyl Cyclohexane *						0.340	20.6*
Dibromofluoromethane *				0.351	0.304	0.316	6.3*
1,2-Dichloroethane-d4 *			0.183	0.208	0.174	0.189	6.9*
Toluene-d8 *			2.163	2.156	2.178	2.149	4.3*
Bromofluorobenzene *			0.864	0.872	0.891	0.945	14.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.743	0.814		-9.6	50.0
Chloromethane ++	0.172	0.171	0.100	0.6	50.0
Vinyl Chloride +	0.161	0.174		-8.1	20.0
Bromomethane	0.130	0.126		3.1	50.0
Chloroethane	0.102	0.098		3.9	
Trichlorofluoromethane	0.361	0.378		-4.7	50.0
Acrolein	0.009	0.009		0.0	50.0
1,1-Dichloroethene +	0.162	0.159		1.8	20.0
1,1,2Trichlorotrifluoroethan	0.197	0.181		8.1	50.0
Acetone	0.074	0.084		-13.5	50.0
Methyl Iodide	0.394	0.405		-2.8	50.0
Carbon Disulfide	0.626	0.600		4.2	50.0
Methylene Chloride	0.293	0.284		3.1	50.0
Acrylonitrile	0.079	0.083		-5.1	50.0
trans-1,2-Dichloroethene	0.309	0.302		2.3	50.0
MTBE	0.732	0.804		-9.8	50.0
1,1-Dichloroethane ++	0.421	0.413	0.100	1.9	50.0
Vinyl Acetate	0.191	0.163		14.6	50.0
cis-1,2-Dichloroethene	0.405	0.404		0.2	50.0
2,2-Dichloropropane	0.404	0.371		8.2	50.0
2-Butanone	0.112	0.116		-3.6	50.0
Bromochloromethane	0.142	0.153		-7.7	50.0
Chloroform +	0.507	0.502		1.0	20.0
1,1,1-Trichloroethane	0.463	0.439		5.2	50.0
Total 1,2-Dichloroethene	0.238	0.235		1.3	50.0
1,1-Dichloropropene	0.325	0.312		4.0	50.0
Carbon Tetrachloride	0.406	0.392		3.4	50.0
1,2-Dichloroethane	0.495	0.479		3.2	50.0
Benzene	1.004	0.945		5.9	50.0
Trichloroethene	0.254	0.258		-1.6	50.0
1,2-Dichloropropane +	0.219	0.230		-5.0	20.0
Dibromomethane	0.156	0.170		-9.0	50.0
Bromodichloromethane	0.404	0.396		2.0	50.0
2-Chloroethyl vinyl ether	0.140	0.158		-12.8	50.0
cis-1,3-Dichloropropene	0.391	0.422		-7.9	50.0
4-methyl-2-pentanone	0.186	0.230		-23.6	50.0
Toluene +	0.915	0.910		0.5	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.400	0.433		-8.2	50.0
1,1,2-Trichloroethane	0.203	0.225		-10.8	50.0
1,3-Dichloropropane	0.357	0.398		-11.5	50.0
Tetrachloroethene	0.188	0.186		1.1	50.0
2-Hexanone	0.361	0.359		0.6	50.0
Dibromochloromethane	0.781	0.723		7.4	50.0
1,2-Dibromoethane(EDB)	0.612	0.571		6.7	50.0
Chlorobenzene ++	1.584	1.508	0.300	4.8	50.0
1,1,1,2-Tetrachloroethane	0.640	0.631		1.4	50.0
Ethylbenzene +	0.713	0.591		17.1	20.0
p,m-Xylene	0.895	0.699		21.9	50.0
o-Xylene	0.813	0.601		26.1	50.0
Styrene	1.487	1.177		20.8	50.0
Bromoform ++	0.511	0.479	0.100	6.3	50.0
Isopropylbenzene	2.512	2.182		13.1	50.0
1,1,2,2-Tetrachloroethane++	1.100	1.190	0.300	-8.2	50.0
trans-1,4-Dichloro-2-Butene	0.302	0.373		-23.5	50.0
1,2,3-Trichloropropane	1.395	1.721		-23.4	50.0
Bromobenzene	2.247	2.582		-14.9	50.0
n-Propylbenzene	3.714	3.343		10.0	50.0
2-Chlorotoluene	2.601	2.324		10.6	50.0
1,3,5-Trimethylbenzene	2.022	2.146		-6.1	50.0
4-Chlorotoluene	2.594	2.338		9.9	50.0
tert-butylbenzene	1.966	1.863		5.2	50.0
1,2,4-Trimethylbenzene	2.057	2.263		-10.0	50.0
sec-Butylbenzene	3.342	3.053		8.6	50.0
p-Isopropyltoluene	2.681	2.550		4.9	50.0
1,3-Dichlorobenzene	1.480	1.403		5.2	50.0
1,4-Dichlorobenzene	1.605	1.542		3.9	50.0
TOTAL XYLENE	0.868	0.666		23.3	50.0
n-Butylbenzene	2.065	2.142		-3.7	50.0
1,2-Dichlorobenzene	1.420	1.425		-0.4	50.0
1,2-Dibromo-3-Chloropropane	0.264	0.282		-6.8	50.0
1,2,4-Trichlorobenzene	0.802	1.054		-31.4	50.0
Hexachlorobutadiene	0.629	0.637		-1.3	50.0
Naphthalene	1.851	2.490		-34.5	50.0
1,2,3-Trichlorobenzene	0.750	1.011		-34.8	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1344

Lab File ID: R5188 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Hexane	0.300	0.151	0.050	49.7	50.0
Cyclohexane	0.362	0.344	0.050	5.0	50.0
Methyl Acetate	0.169	0.174	0.050	-3.0	50.0
Methyl Cyclohexane	0.340	0.329	0.050	3.2	50.0
Dibromofluoromethane	0.316	0.326		-3.2	50.0
1,2-Dichloroethane-d4	0.189	0.197		-4.2	50.0
Toluene-d8	2.149	2.117		1.5	50.0
Bromofluorobenzene	0.945	1.128		-19.4	50.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.743	0.816		-9.8	50.0
Chloromethane ++	0.172	0.182	0.100	-5.8	50.0
Vinyl Chloride +	0.161	0.188		-16.8	20.0
Bromomethane	0.130	0.121		6.9	50.0
Chloroethane	0.102	0.102		0.0	
Trichlorofluoromethane	0.361	0.417		-15.5	50.0
Acrolein	0.009	0.012		-33.3	50.0
1,1-Dichloroethene +	0.162	0.172		-6.2	20.0
1,1,2Trichlorotrifluoroethan	0.197	0.216		-9.6	50.0
Acetone	0.074	0.074		0.0	50.0
Methyl Iodide	0.394	0.426		-8.1	50.0
Carbon Disulfide	0.626	0.625		0.2	50.0
Methylene Chloride	0.293	0.281		4.1	50.0
Acrylonitrile	0.079	0.084		-6.3	50.0
trans-1,2-Dichloroethene	0.309	0.317		-2.6	50.0
MTBE	0.732	0.784		-7.1	50.0
1,1-Dichloroethane ++	0.421	0.422	0.100	-0.2	50.0
Vinyl Acetate	0.191	0.188		1.6	50.0
cis-1,2-Dichloroethene	0.405	0.419		-3.4	50.0
2,2-Dichloropropane	0.404	0.437		-8.2	50.0
2-Butanone	0.112	0.110		1.8	50.0
Bromochloromethane	0.142	0.152		-7.0	50.0
Chloroform +	0.507	0.511		-0.8	20.0
1,1,1-Trichloroethane	0.463	0.456		1.5	50.0
Total 1,2-Dichloroethene	0.238	0.245		-2.9	50.0
1,1-Dichloropropene	0.325	0.332		-2.2	50.0
Carbon Tetrachloride	0.406	0.415		-2.2	50.0
1,2-Dichloroethane	0.495	0.442		10.7	50.0
Benzene	0.951	0.912		4.1	50.0
Trichloroethene	0.254	0.244		3.9	50.0
1,2-Dichloropropane +	0.219	0.225		-2.7	20.0
Dibromomethane	0.156	0.162		-3.8	50.0
Bromodichloromethane	0.396	0.388		2.0	50.0
2-Chloroethyl vinyl ether	0.140	0.155		-10.7	50.0
cis-1,3-Dichloropropene	0.391	0.421		-7.7	50.0
4-methyl-2-pentanone	0.186	0.222		-19.4	50.0
Toluene +	0.915	0.936		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.400	0.435		-8.8	50.0
1,1,2-Trichloroethane	0.203	0.213		-4.9	50.0
1,3-Dichloropropane	0.357	0.389		-9.0	50.0
Tetrachloroethene	0.188	0.197		-4.8	50.0
2-Hexanone	0.361	0.349		3.3	50.0
Dibromochloromethane	0.781	0.700		10.4	50.0
1,2-Dibromoethane(EDB)	0.612	0.552		9.8	50.0
Chlorobenzene ++	1.584	1.524	0.300	3.8	50.0
1,1,1,2-Tetrachloroethane	0.640	0.629		1.7	50.0
Ethylbenzene +	0.713	0.703		1.4	20.0
p,m-Xylene	0.895	0.792		11.5	50.0
o-Xylene	0.813	0.726		10.7	50.0
Styrene	1.487	1.386		6.8	50.0
Bromoform ++	0.511	0.468	0.100	8.4	50.0
Isopropylbenzene	2.512	2.383		5.1	50.0
1,1,2,2-Tetrachloroethane++	1.100	1.112	0.300	-1.1	50.0
trans-1,4-Dichloro-2-Butene	0.302	0.356		-17.9	50.0
1,2,3-Trichloropropane	1.395	1.554		-11.4	50.0
Bromobenzene	2.247	2.382		-6.0	50.0
n-Propylbenzene	3.714	3.667		1.3	50.0
2-Chlorotoluene	2.601	2.479		4.7	50.0
1,3,5-Trimethylbenzene	2.022	2.037		-0.7	50.0
4-Chlorotoluene	2.594	2.559		1.3	50.0
tert-butylbenzene	1.966	1.964		0.1	50.0
1,2,4-Trimethylbenzene	2.057	2.112		-2.7	50.0
sec-Butylbenzene	3.342	3.329		0.4	50.0
p-Isopropyltoluene	2.681	2.707		-1.0	50.0
1,3-Dichlorobenzene	1.480	1.352		8.6	50.0
1,4-Dichlorobenzene	1.605	1.672		-4.2	50.0
TOTAL XYLENE	0.868	0.770		11.3	50.0
n-Butylbenzene	2.065	2.071		-0.3	50.0
1,2-Dichlorobenzene	1.420	1.396		1.7	50.0
1,2-Dibromo-3-Chloropropane	0.264	0.248		6.1	50.0
1,2,4-Trichlorobenzene	0.802	0.934		-16.4	50.0
Hexachlorobutadiene	0.629	0.663		-5.4	50.0
Naphthalene	1.851	2.119		-14.5	50.0
1,2,3-Trichlorobenzene	0.750	0.874		-16.5	50.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSV0 Calibration Date: 06/03/02 Time: 1440

Lab File ID: R5190 Init. Calib. Date(s): 06/03/02 06/03/02

Heated Purge: (Y/N) N Init. Calib. Times: 1018 1300

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Hexane	0.300	0.306	0.050	-2.0	50.0
Cyclohexane	0.362	0.383	0.050	-5.8	50.0
Methyl Acetate	0.169	0.170	0.050	-0.6	50.0
Methyl Cyclohexane	0.340	0.368	0.050	-8.2	50.0
Dibromofluoromethane	0.316	0.333		-5.4	50.0
1,2-Dichloroethane-d4	0.189	0.203		-7.4	50.0
Toluene-d8	2.149	2.101		2.2	50.0
Bromofluorobenzene	0.986	1.078		-9.3	50.0

All other compounds must meet a minimum RRF of 0.010.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42499	Method Blank	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/03/2002 16:48	KRV	133838

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	ND	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	ND	0.005	0.020	mg/L
78-93-3	2-Butanone	ND	0.025	0.020	mg/L
71-43-2	Benzene	ND	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	ND	0.005	0.020	mg/L
108-90-7	Chlorobenzene	ND	0.005	0.020	mg/L
67-66-3	Chloroform	ND	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	ND	0.005	0.020	mg/L
79-01-6	Trichloroethene	ND	0.005	0.020	mg/L
75-01-4	Vinyl chloride	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	56.3 ug/L	113	78 - 115
1868-53-7	Dibromofluoromethane	50	54.9 ug/L	110	70 - 130
2037-26-5	Toluene d8	50	50 ug/L	100	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	54.8 ug/L	110	76 - 128

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42500	Lab Control Sample	Water	06/05/2002 12:22

SW-846 1311/8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/03/2002 15:02	RSP	133838

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
75-35-4	1,1-Dichloroethene	0.059	0.005	0.020	mg/L
107-06-2	1,2-Dichloroethane	0.049	0.005	0.020	mg/L
78-93-3	2-Butanone	0.057	0.025	0.020	mg/L
71-43-2	Benzene	0.054	0.005	0.020	mg/L
56-23-5	Carbon tetrachloride	0.057	0.005	0.020	mg/L
108-90-7	Chlorobenzene	0.053	0.005	0.020	mg/L
67-66-3	Chloroform	0.054	0.005	0.020	mg/L
127-18-4	Tetrachloroethene	0.056	0.005	0.020	mg/L
79-01-6	Trichloroethene	0.054	0.005	0.020	mg/L
75-01-4	Vinyl chloride	0.065	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	59.6 ug/L	119 *	78 - 115
1868-53-7	Dibromofluoromethane	50	50.8 ug/L	102	70 - 130
2037-26-5	Toluene d8	50	49.3 ug/L	99	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	52.2 ug/L	104	76 - 128

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

	EPA SAMPLE NO.	S1 (2FP) #	S2 (TBP) #	S3 (PHL) #	S4 (NBZ) #	S5 (FBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	42565	30	67	24	80	77	95			0
02	42566	40	85	27	84	78	126*			1
03	005-A1-S	35	72	22	78	72	108			0
04	005-49A1-SMS	41	93	30	86	78	106			0
05	005-49A1-SMS	38	85	27	82	81	90			0
06	005-49A2-S	40	86	29	83	79	93			0
07	005-49A21-S	33	85	23	78	75	85			0
08	005-49A3-S	41	74	25	81	71	80			0
09	005-49A4-S	38	82	27	84	77	97			0
10	005-49A5-S	37	78	25	81	78	119			0
11	005-49A11-S	40	81	27	81	75	84			0
12	005-49A11A-S	36	82	24	81	74	105			0
13	005-49A11B-S	31	79	21	82	80	86			0
14	005-49SA-S	42	85	29	83	76	87			0
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(0- 96)
S2 (TBP)	= 2,4,6-Tribromophenol	(0-133)
S3 (PHL)	= Phenol-d5	(0- 76)
S4 (NBZ)	= Nitrobenzene-d5	(0-110)
S5 (FBP)	= 2-Fluorobiphenyl	(0-128)
S6 (TPH)	= Terphenyl-d14	(0-121)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42566	ORIGINAL LAB ID:	PREP BATCH: 133945
	MATRIX Water	ANALYTICAL BATCH: 133959

SW-846 1311/8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
118-74-1	Hexachlorobenzene	0.1 mg/L	0.083	83	60 - 120
87-68-3	Hexachlorobutadiene	0.1 mg/L	0.075	75	60 - 120
67-72-1	Hexachloroethane	0.1 mg/L	0.071	71	45 - 135
95-48-7	o-Cresol	0.1 mg/L	0.06	60	30 - 150
98-95-3	Nitrobenzene	0.1 mg/L	0.082	82	60 - 120
95-95-4	2,4,5-Trichlorophenol	0.1 mg/L	0.076	76	45 - 135
88-06-2	2,4,6-Trichlorophenol	0.1 mg/L	0.077	77	45 - 135
110-86-1	Pyridine	0.1 mg/L	0.036	36	30 - 150
1319-77-3MP	m,p-Cresol	0.1 mg/L	0.055	55	30 - 150
106-46-7	1,4-Dichlorobenzene	0.1 mg/L	0.073	73	40 - 122
121-14-2	2,4-Dinitrotoluene	0.1 mg/L	0.088	88	60 - 124
87-86-5	Pentachlorophenol	0.1 mg/L	0.089	89	31 - 128

MS LAB ID: 42567	ORIGINAL LAB ID: 20205301301	PREP BATCH: 133945
	MATRIX Solid	ANALYTICAL BATCH: 133959

SW-846 1311/8270C

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
118-74-1	Hexachlorobenzene	0	0.5 mg/L	0.447	89	60 - 120
87-68-3	Hexachlorobutadiene	0	0.5 mg/L	0.36	72	60 - 120
67-72-1	Hexachloroethane	0	0.5 mg/L	0.359	72	45 - 135
95-48-7	o-Cresol	0	0.5 mg/L	0.323	65	30 - 150
98-95-3	Nitrobenzene	0	0.5 mg/L	0.415	83	60 - 120
95-95-4	2,4,5-Trichlorophenol	0	0.5 mg/L	0.405	81	45 - 135
88-06-2	2,4,6-Trichlorophenol	0	0.5 mg/L	0.389	78	45 - 135
110-86-1	Pyridine	0	0.5 mg/L	0.129	26 *	30 - 150
1319-77-3MP	m,p-Cresol	0	0.5 mg/L	0.303	61	30 - 150
106-46-7	1,4-Dichlorobenzene	0	0.5 mg/L	0.366	73	44 - 143
121-14-2	2,4-Dinitrotoluene	0	0.5 mg/L	0.473	95	61 - 148
87-86-5	Pentachlorophenol	0	0.5 mg/L	0.504	101	37 - 125

MSD LAB ID: 42568	ORIGINAL LAB ID: 20205301301	PREP BATCH: 133945
	MATRIX Solid	ANALYTICAL BATCH: 133959

SW-846 1311/8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
118-74-1	Hexachlorobenzene	0.5 mg/L	0.436	87	60 - 120	2	0 - 50
87-68-3	Hexachlorobutadiene	0.5 mg/L	0.343	69	60 - 120	4	0 - 50
67-72-1	Hexachloroethane	0.5 mg/L	0.347	69	45 - 135	4	0 - 50
95-48-7	o-Cresol	0.5 mg/L	0.316	63	30 - 150	3	0 - 50
98-95-3	Nitrobenzene	0.5 mg/L	0.395	79	60 - 120	5	0 - 50

QUALITY CONTROL SUMMARY

95-95-4	2,4,5-Trichlorophenol	0.5 mg/L	0.418	84	45 - 135	4	0 - 50
88-06-2	2,4,6-Trichlorophenol	0.5 mg/L	0.409	82	45 - 135	5	
110-86-1	Pyridine	0.5 mg/L	0.057	11 *	30 - 150	81 *	0 - 50
1319-77-3MP	m,p-Cresol	0.5 mg/L	0.291	58	30 - 150	5	0 - 50
106-46-7	1,4-Dichlorobenzene	0.5 mg/L	0.351	70	44 - 143	4	0 - 30
121-14-2	2,4-Dinitrotoluene	0.5 mg/L	0.415	83	61 - 148	13	0 - 33
87-86-5	Pentachlorophenol	0.5 mg/L	0.502	100	37 - 125	1	0 - 32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Lab File ID: A2015 DFTPP Injection Date: 06/03/02

Instrument ID: MSSV1 DFTPP Injection Time: 0922

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	60.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	5.4
275	10.0 - 30.0% of mass 198	24.3
365	Greater than 1.0% of mass 198	1.42
441	Present, but less than mass 443	7.4
442	40.0 - 100.0% of mass 198	47.1
443	17.0 - 23.0% of mass 442	8.3 (17.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	A2016	06/03/02	0946
02	SSTD010	SSTD010	A2017	06/03/02	1012
03	SSTD080	SSTD080	A2018	06/03/02	1036
04	SSTD120	SSTD120	A2019	06/03/02	1059
05	SSTD160	SSTD160	A2020	06/03/02	1123
06	SSTD200	SSTD200	A2021	06/03/02	1147
07	ICV050	ICV050	A2022	06/03/02	1211
08	42565	42565	A2023	06/03/02	1235
09	42566	42566	A2024	06/03/02	1259
10	005-A1-S	20205301301	A2026	06/03/02	1347
11	005-49A1-SMS	42567	A2027	06/03/02	1410
12	005-49A1-SMS	42568	A2028	06/03/02	1434
13	005-49A2-S	20205301302	A2029	06/03/02	1458
14	005-49A21-S	20205301303	A2030	06/03/02	1522
15	005-49A3-S	20205301304	A2031	06/03/02	1546
16	005-49A4-S	20205301305	A2032	06/03/02	1610
17	005-49A5-S	20205301306	A2033	06/03/02	1634
18	005-49A11-S	20205301307	A2034	06/03/02	1658
19	005-49A11A-S	20205301308	A2035	06/03/02	1722
20	005-49A11B-S	20205301309	A2036	06/03/02	1746
21	005-49SA-S	20205301310	A2037	06/03/02	1810
22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Lab File ID (Standard): A2022 Date Analyzed: 06/03/02

Instrument ID: MSSV1 Time Analyzed: 1211

		IS1(PRY) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3(NPT) AREA #	RT #
	12 HOUR STD	210306	11.44	93401	5.08	313806	5.92
	UPPER LIMIT	420612	11.94	186802	5.58	627612	6.42
	LOWER LIMIT	105153	10.94	46700	4.58	156903	5.42
	EPA SAMPLE NO.						
01	42565	160068	11.44	109007	5.08	365336	5.92
02	42566	193971	11.45	81171	5.09	269073	5.93
03	005-A1-S	177870	11.44	102576	5.08	333637	5.92
04	005-49A1-SMS	186091	11.44	76578	5.08	270343	5.91
05	005-49A1-SMS	186795	11.44	87496	5.08	322424	5.91
06	005-49A2-S	176240	11.44	86302	5.08	302950	5.92
07	005-49A21-S	183433	11.43	92698	5.08	314649	5.91
08	005-49A3-S	178293	11.44	81694	5.08	278847	5.92
09	005-49A4-S	173321	11.44	83996	5.08	297580	5.91
10	005-49A5-S	163049	11.44	81919	5.09	280530	5.92
11	005-49A11-S	179750	11.44	84941	5.08	300250	5.92
12	005-49A11A-S	180530	11.44	91150	5.08	301819	5.92
13	005-49A11B-S	166054	11.44	92419	5.08	294400	5.92
14	005-49SA-S	176527	11.44	80596	5.08	292324	5.92
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (PRY) = Perylene-d12
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 (NPT) = Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Lab File ID (Standard): A2022 Date Analyzed: 06/03/02

Instrument ID: MSSV1 Time Analyzed: 1211

		IS4 (ANT) AREA #	RT #	IS5 (PHN) AREA #	RT #	IS6 (CRY) AREA #	RT #
	12 HOUR STD	180439	7.04	302182	7.99	259928	10.07
	UPPER LIMIT	360878	7.54	604364	8.49	519856	10.57
	LOWER LIMIT	90220	6.54	151091	7.49	129964	9.57
	EPA SAMPLE NO.						
01	42565	193430	7.03	287272	7.99	195870	10.07
02	42566	142559	7.04	256240	8.00	229164	10.08
03	005-A1-S	174996	7.03	266960	7.99	204496	10.07
04	005-49A1-SMS	162675	7.03	282289	7.99	236662	10.07
05	005-49A1-SMS	173234	7.03	276507	7.99	237743	10.07
06	005-49A2-S	168889	7.03	265642	7.99	225480	10.07
07	005-49A21-S	179158	7.03	304896	7.99	226786	10.07
08	005-49A3-S	167476	7.04	258191	8.00	210010	10.07
09	005-49A4-S	173686	7.03	272588	7.99	219697	10.07
10	005-49A5-S	151939	7.03	232848	8.00	199053	10.08
11	005-49A11-S	173179	7.04	284223	8.00	218011	10.07
12	005-49A11A-S	168103	7.03	274790	8.00	217226	10.07
13	005-49A11B-S	147788	7.03	232054	7.99	192655	10.07
14	005-49SA-S	168923	7.03	263807	7.99	226255	10.07
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (ANT) = Acenaphthene-d10
IS5 (PHN) = Phenanthrene-d10
IS6 (CRY) = Chrysene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301301	005-49A1-S-0529-02	Solid	05/29/2002 10:40	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 13:47	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	194 ug/L	78	43 - 116
321-60-8	2-Fluorobiphenyl	250	180 ug/L	72	16 - 116
1718-51-0	Terphenyl-d14	250	270 ug/L	108	47 - 137
4165-62-2	Phenol-d5	500	113 ug/L	23	10 - 113
367-12-4	2-Fluorophenol	500	174 ug/L	35	24 - 106
118-79-6	2,4,6-Tribromophenol	500	362 ug/L	72	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301302	005-49A2-S-0529-02	Solid	05/29/2002 11:00	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 14:58	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	207 ug/L	83	43 - 116
321-60-8	2-Fluorobiphenyl	250	197 ug/L	79	16 - 116
1718-51-0	Terphenyl-d14	250	233 ug/L	93	47 - 137
4165-62-2	Phenol-d5	500	143 ug/L	29	10 - 113
367-12-4	2-Fluorophenol	500	202 ug/L	40	24 - 106
118-79-6	2,4,6-Tribromophenol	500	428 ug/L	86	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301303	005-49A21-S-0529-02	Solid	05/29/2002 11:15	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 15:22	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	196 ug/L	78	43 - 116
321-60-8	2-Fluorobiphenyl	250	187 ug/L	75	16 - 116
1718-51-0	Terphenyl-d14	250	213 ug/L	85	47 - 137
4165-62-2	Phenol-d5	500	117 ug/L	23	10 - 113
367-12-4	2-Fluorophenol	500	164 ug/L	33	24 - 106
118-79-6	2,4,6-Tribromophenol	500	426 ug/L	85	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301304	005-49A3-S-0529-02	Solid	05/29/2002 11:25	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 15:46	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	202 ug/L	81	43 - 116
321-60-8	2-Fluorobiphenyl	250	178 ug/L	71	16 - 116
1718-51-0	Terphenyl-d14	250	199 ug/L	80	47 - 137
4165-62-2	Phenol-d5	500	125 ug/L	25	10 - 113
367-12-4	2-Fluorophenol	500	205 ug/L	41	24 - 106
118-79-6	2,4,6-Tribromophenol	500	372 ug/L	74	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301305	005-49A4-S-0529-02	Solid	05/29/2002 11:30	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 16:10	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	211 ug/L	84	43 - 116
321-60-8	2-Fluorobiphenyl	250	193 ug/L	77	16 - 116
1718-51-0	Terphenyl-d14	250	242 ug/L	97	47 - 137
4165-62-2	Phenol-d5	500	136 ug/L	27	10 - 113
367-12-4	2-Fluorophenol	500	192 ug/L	38	24 - 106
118-79-6	2,4,6-Tribromophenol	500	411 ug/L	82	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301306	005-49A5-S-0529-02	Solid	05/29/2002 11:35	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 16:34	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	203 ug/L	81	43 - 116
321-60-8	2-Fluorobiphenyl	250	195 ug/L	78	16 - 116
1718-51-0	Terphenyl-d14	250	298 ug/L	119	47 - 137
4165-62-2	Phenol-d5	500	124 ug/L	25	10 - 113
367-12-4	2-Fluorophenol	500	187 ug/L	37	24 - 106
118-79-6	2,4,6-Tribromophenol	500	393 ug/L	79	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301307	005-49A11-S-0529-02	Solid	05/29/2002 11:40	05/30/2002 09:00	06/07/2002 15:49

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 16:58	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	202 ug/L	81	43 - 116
321-60-8	2-Fluorobiphenyl	250	187 ug/L	75	16 - 116
1718-51-0	Terphenyl-d14	250	211 ug/L	84	47 - 137
4165-62-2	Phenol-d5	500	134 ug/L	27	10 - 113
367-12-4	2-Fluorophenol	500	201 ug/L	40	24 - 106
118-79-6	2,4,6-Tribromophenol	500	407 ug/L	81	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301308	005-49A11A-S-0529-02	Solid	05/29/2002 23:50	05/30/2002 09:00	06/07/2002 15:50

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 17:22	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	203 ug/L	81	43 - 116
321-60-8	2-Fluorobiphenyl	250	186 ug/L	74	16 - 116
1718-51-0	Terphenyl-d14	250	262 ug/L	105	47 - 137
4165-62-2	Phenol-d5	500	120 ug/L	24	10 - 113
367-12-4	2-Fluorophenol	500	181 ug/L	36	24 - 106
118-79-6	2,4,6-Tribromophenol	500	410 ug/L	82	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301309	005-49A11B-S-0529-02	Solid	05/29/2002 12:10	05/30/2002 09:00	06/07/2002 15:50

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 17:46	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	204 ug/L	82	43 - 116
321-60-8	2-Fluorobiphenyl	250	201 ug/L	80	16 - 116
1718-51-0	Terphenyl-d14	250	214 ug/L	86	47 - 137
4165-62-2	Phenol-d5	500	107 ug/L	21	10 - 113
367-12-4	2-Fluorophenol	500	157 ug/L	31	24 - 106
118-79-6	2,4,6-Tribromophenol	500	395 ug/L	79	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 8270C, TCLP Semi-Voa

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 18:10	RLW	133959

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.002	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.000	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.000	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.000	mg/L
1319-77-3	Cresols	ND	0.100	0.003	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.000	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.002	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.002	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.003	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.006	mg/L
110-86-1	Pyridine	ND	0.050	0.004	mg/L
1319-77-3MP	m,p-Cresol	ND	0.050	0.001	mg/L
95-48-7	o-Cresol	ND	0.050	0.003	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	250	208 ug/L	83	43 - 116
321-60-8	2-Fluorobiphenyl	250	191 ug/L	76	16 - 116
1718-51-0	Terphenyl-d14	250	217 ug/L	87	47 - 137
4165-62-2	Phenol-d5	500	146 ug/L	29	10 - 113
367-12-4	2-Fluorophenol	500	210 ug/L	42	24 - 106
118-79-6	2,4,6-Tribromophenol	500	426 ug/L	85	19 - 120

RESULTS REPORTED ON A WET WEIGHT BASIS

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF10 =A2017 RRF50 =A2016
RRF80 =A2018 RRF120=A2019 RRF160=A2020

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
n-Nitrosodimethylamine *	0.705	0.656	0.650	0.695	0.648		*
Benzo(a)pyrene + *	1.692	1.574	1.521	1.623	1.594		*
Aniline *	2.881	2.484	2.540	2.591	2.346		*
Phenol + *	2.849	2.528	2.514	2.536	2.327		*
bis(-2-Chloroethyl)Ether *	1.347	1.249	1.226	1.267	1.172		*
2-Chlorophenol *	1.531	1.373	1.386	1.392	1.298		*
1,3-Dichlorobenzene *	1.798	1.631	1.653	1.645	1.580		*
1,4-Dichlorobenzene + *	1.905	1.674	1.693	1.709	1.624		*
Benzyl alcohol *	1.073	1.067	1.019	1.058	0.985		*
1,2-Dichlorobenzene *	1.729	1.533	1.535	1.574	1.475		*
2-Methylphenol *	1.670	1.484	1.460	1.494	1.362		*
Bis(2-chloroisopropyl)ether *	1.449	1.303	1.294	1.312	1.245		*
3- & 4-Methylphenol *	1.640	1.530	1.524	1.519	1.392		*
N-Nitroso-di-n-propylamine++ *	1.565	1.511	1.491	1.492	1.376		*
Hexachloroethane *	0.808	0.754	0.738	0.736	0.714		*
Indeno(1,2,3-cd)pyrene *	2.209	2.151	2.144	2.311	2.354		*
Nitrobenzene *	0.750	0.683	0.674	0.688	0.653		*
Isophorone *	1.198	1.152	1.119	1.136	1.109		*
2-Nitrophenol + *	0.213	0.199	0.202	0.207	0.200		*
2,4-Dimethyphenol *	0.567	0.519	0.516	0.523	0.501		*
bis(-2-Chloroethoxy)methane *	0.690	0.649	0.636	0.642	0.615		*
Benzoic Acid *		0.328	0.424	0.520	0.530		*
2,4-Dichlorophenol + *	0.335	0.326	0.317	0.313	0.308		*
1,2,4-Trichlorobenzene *	0.394	0.368	0.369	0.363	0.360		*
Naphthalene *	1.306	1.181	1.166	1.178	1.150		*
4-Chloroaniline *	0.177	0.170	0.164	0.168	0.161		*
Hexachlorobutadiene + *	0.295	0.271	0.262	0.270	0.270		*
4-Chloro-3-Methylphenol + *	0.413	0.412	0.396	0.404	0.403		*
2-Methylnaphthalene *	0.723	0.718	0.692	0.704	0.686		*
1-Methylnapthalene *	0.723	0.718	0.692	0.704	0.686		*
Hexachlorocyclopentadiene ++ *	0.380	0.435	0.432	0.486	0.474		*
2,4,6-Trichlorophenol + *	0.463	0.468	0.445	0.467	0.447		*
2,4,5-Trichlorphenol *	0.479	0.479	0.475	0.505	0.474		*
Dibenzo(a,h)anthracene *	1.784	1.718	1.780	1.962	1.984		*
2-Chloronaphthalene *	1.575	1.412	1.335	1.380	1.295		*
2-Nitroaniline *	0.430	0.424	0.424	0.438	0.435		*
Dimethylphthalate *	1.531	1.484	1.452	1.541	1.499		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF10 =A2017 RRF50 =A2016
RRF80 =A2018 RRF120=A2019 RRF160=A2020

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD	
2,6-Dinitrotoluene *	0.312	0.321	0.319	0.342	0.338			*
Acenaphthylene *	2.241	2.157	2.044	2.131	2.044			*
3-Nitroaniline *	0.360	0.337	0.348	0.374	0.357			*
Pyridine *	1.524	1.795	1.973	2.040	1.952			*
Acenaphthene + *	1.499	1.371	1.282	1.357	1.315			*
Acetophenone *	1.273	2.386	2.300	2.325	2.133			*
2,4-Dinitrophenol ++ *		0.128	0.162	0.192	0.199			*
4-Nitrophenol ++ *	0.234	0.285	0.308	0.342	0.318			*
Dibenzofuran *	1.974	1.803	1.761	1.841	1.758			*
2,4-Dinitrotoluene *	0.412	0.419	0.440	0.484	0.456			*
Diethylphthalate *	1.578	1.432	1.430	1.557	1.494			*
4-Chlorophenyl-phenylether *	0.764	0.736	0.718	0.757	0.746			*
Fluorene *	1.510	1.463	1.433	1.516	1.482			*
4-Nitroaniline *	0.340	0.315	0.352	0.376	0.340			*
4,6-Dinitro-o-cresol *	0.098	0.140	0.160	0.165	0.167			*
N-nitrosodiphenylamine (1)+ *	0.676	0.658	0.611	0.616	0.633			*
Azobenzene *	3.555	3.800	3.895	3.900	3.834			*
Total Methylphenol *	3.310	3.015	2.984	3.013	2.754			*
4-Bromophenyl-phenylether *	0.231	0.211	0.204	0.205	0.209			*
Hexachlorobenzene *	0.218	0.202	0.195	0.197	0.198			*
Pentachlorophenol + *	0.058	0.086	0.110	0.123	0.120			*
Phenanthrene *	1.343	1.234	1.185	1.228	1.185			*
Anthracene *	1.345	1.200	1.231	1.210	1.189			*
Carbazole *	1.140	1.041	1.071	1.051	1.011			*
Di-n-butylphthalate *	1.382	1.372	1.330	1.383	1.336			*
Fluoranthene + *	1.263	1.317	1.350	1.354	1.320			*
Benzidine *		0.281	0.264	0.252	0.202			*
Pyrene *	1.697	1.549	1.521	1.514	1.466			*
Benzo(g,h,i)perylene *	1.918	1.808	1.840	1.967	1.953			*
Butylbenzylphthalate *	0.731	0.707	0.693	0.708	0.689			*
3,3'-Dichlorobenzidine *	0.508	0.444	0.413	0.416	0.394			*
Benzo(a)anthracene *	1.439	1.335	1.365	1.377	1.375			*
bis(2-Ethylhexyl)phthalate *	0.963	0.880	0.855	0.915	0.917			*
Chrysene *	1.506	1.302	1.352	1.368	1.365			*
Di-n-octylphthalate + *	1.627	1.551	1.446	1.608	1.610			*
Benzo(b)fluoranthene *	1.737	1.672	1.583	1.673	1.633			*
Benzo(k)fluoranthene *	1.701	1.755	1.812	1.808	1.788			*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF10 =A2017 RRF50 =A2016
RRF80 =A2018 RRF120=A2019 RRF160=A2020

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde *	1.615	1.265	0.781	0.704	0.567		*
Caprolactam *	0.113	0.119	0.127	0.130	0.134		*
Biphenyl *	0.846	0.854	0.821	0.822	0.817		*
Atrazine *	0.224	0.167	0.182	0.186	0.170		*
2-Fluorophenol *	1.907	1.639	1.645	1.661	1.554		*
2,4,6-Tribromophenol *	0.106	0.126	0.134	0.142	0.137		*
Phenol-d5 *	2.265	2.064	2.016	2.063	1.893		*
Nitrobenzene-d5	0.709	0.653	0.660	0.665	0.649		*
2-Fluorobiphenyl *	1.696	1.616	1.531	1.610	1.482		*
Terphenyl-d14 *	1.039	0.922	0.899	0.924	0.898		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF200=A2021 RRF1 =
RRF0.2= RRF5 =A1857

COMPOUND	RRF200	RRF1	RRF0.2	RRF5		$\overline{RRF}$	% RSD
n-Nitrosodimethylamine *	0.679					0.672	3.7*
Benzo(a)pyrene + *	1.608					1.602	3.5*
Aniline *	2.369					2.535	7.7*
Phenol + *	2.340					2.516	7.5*
bis(-2-Chloroethyl)Ether *	1.212					1.246	4.8*
2-Chlorophenol *	1.353					1.389	5.6*
1,3-Dichlorobenzene *	1.651					1.660	4.4*
1,4-Dichlorobenzene + *	1.674					1.713	5.7*
Benzyl alcohol *	1.002					1.034	3.6*
1,2-Dichlorobenzene *	1.535					1.564	5.6*
2-Methylphenol *	1.390					1.477	7.4*
Bis(2-chloroisopropyl)ether *	1.290					1.316	5.3*
3- & 4-Methylphenol *	1.419					1.504	5.9*
N-Nitroso-di-n-propylamine++ *	1.405					1.473	4.8*
Hexachloroethane *	0.740					0.748	4.3*
Indeno(1,2,3-cd)pyrene *	2.490					2.276	5.9*
Nitrobenzene *	0.661					0.685	5.0*
Isophorone *	1.111					1.138	3.0*
2-Nitrophenol + *	0.202					0.204	2.5*
2,4-Dimethyphenol *	0.496					0.520	4.9*
bis(-2-Chloroethoxy)methane *	0.625					0.643	4.1*
Benzoic Acid *	0.569					0.474	20.5*
2,4-Dichlorophenol + *	0.308					0.318	3.4*
1,2,4-Trichlorobenzene *	0.361					0.369	3.5*
Naphthalene *	1.150					1.188	5.0*
4-Chloroaniline *	0.165					0.168	3.5*
Hexachlorobutadiene + *	0.276					0.274	4.0*
4-Chloro-3-Methylphenol + *	0.393					0.404	2.0*
2-Methylnaphthalene *	0.688					0.702	2.3*
1-Methylnapthalene *	0.688					0.702	2.3*
Hexachlorocyclopentadiene ++ *	0.510					0.453	10.3*
2,4,6-Trichlorophenol + *	0.470					0.460	2.4*
2,4,5-Trichlorphenol *	0.491					0.484	2.5*
Dibenzo(a,h)anthracene *	2.081					1.885	7.6*
2-Chloronaphthalene *	1.326					1.387	7.3*
2-Nitroaniline *	0.426					0.430	1.4*
Dimethylphthalate *	1.502					1.502	2.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF200=A2021 RRF1 =
RRF0.2= RRF5 =A1857

COMPOUND	RRF200	RRF1	RRF0.2	RRF5		$\overline{RRF}$	% RSD
2,6-Dinitrotoluene *	0.340					0.329	3.9*
Acenaphthylene *	2.076					2.116	3.6*
3-Nitroaniline *	0.351					0.354	3.5*
Pyridine *	2.021					1.884	10.4*
Acenaphthene + *	1.335					1.360	5.5*
Acetophenone *	2.174					2.098	19.8*
2,4-Dinitrophenol ++ *	0.206					0.177	18.4*
4-Nitrophenol ++ *	0.314					0.300	12.4*
Dibenzofuran *	1.779					1.819	4.5*
2,4-Dinitrotoluene *	0.447					0.443	5.9*
Diethylphthalate *	1.502					1.499	4.1*
4-Chlorophenyl-phenylether *	0.765					0.748	2.4*
Fluorene *	1.488					1.482	2.1*
4-Nitroaniline *	0.333					0.343	5.9*
4,6-Dinitro-o-cresol *	0.174					0.151	18.7*
N-nitrosodiphenylamine (1)+ *	0.637					0.638	3.9*
Azobenzene *	3.785					3.795	3.3*
Total Methylphenol *	2.808					2.981	6.6*
4-Bromophenyl-phenylether *	0.210					0.212	4.7*
Hexachlorobenzene *	0.202					0.202	4.1*
Pentachlorophenol + *	0.129					0.104	26.3*
Phenanthrene *	1.192					1.228	4.9*
Anthracene *	1.191					1.228	4.8*
Carbazole *	1.032					1.058	4.3*
Di-n-butylphthalate *	1.340					1.357	1.8*
Fluoranthene + *	1.358					1.327	2.7*
Benzidine *	0.196					0.239	16.0*
Pyrene *	1.467					1.536	5.6*
Benzo(g,h,i)perylene *	2.060					1.924	4.8*
Butylbenzylphthalate *	0.687					0.702	2.3*
3,3'-Dichlorobenzidine *	0.401					0.429	9.8*
Benzo(a)anthracene *	1.389					1.380	2.5*
bis(2-Ethylhexyl)phthalate *	0.902					0.905	4.1*
Chrysene *	1.384					1.380	4.9*
Di-n-octylphthalate + *	1.615					1.576	4.4*
Benzo(b)fluoranthene *	1.775					1.679	4.1*
Benzo(k)fluoranthene *	1.743					1.768	2.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date(s): 05/15/02 06/03/02

Calibration Time(s): 2002 1147

LAB FILE ID: RRF200=A2021 RRF1 =
RRF0.2= RRF5 =A1857

COMPOUND	RRF200	RRF1	RRF0.2	RRF5		$\overline{RRF}$	% RSD
Benzaldehyde	* 0.484					0.903	49.1*
Caprolactam	* 0.127					0.125	6.0*
Biphenyl	* 0.816					0.829	2.0*
Atrazine	* 0.171					0.183	11.7*
2-Fluorophenol	* 1.612					1.670	7.3*
2,4,6-Tribromophenol	* 0.136					0.130	9.8*
Phenol-d5	* 1.923					2.037	6.5*
Nitrobenzene-d5	0.646					0.664	3.5*
2-Fluorobiphenyl	* 1.539					1.579	4.9*
Terphenyl-d14	* 0.904					0.931	5.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date: 06/03/02 Time: 1211

Lab File ID: A2022 Init. Calib. Date(s): 05/15/02 06/03/02

Init. Calib. Times: 2002 1147

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
n-Nitrosodimethylamine	0.672	0.584	0.050	13.1	50.0	
Benzo(a)pyrene +	1.602	1.240	0.050	22.6	20.0	<-
Aniline	2.535	1.365	0.050	46.2	50.0	
Phenol +	2.516	2.295	0.050	8.8	20.0	
bis(-2-Chloroethyl)Ether	1.246	1.094	0.050	12.2	50.0	
2-Chlorophenol	1.389	1.271	0.050	8.5	50.0	
1,3-Dichlorobenzene	1.660	1.477	0.050	11.0	50.0	
1,4-Dichlorobenzene +	1.713	1.524	0.050	11.0	20.0	
Benzyl alcohol	1.034	0.914	0.050	11.6	50.0	
1,2-Dichlorobenzene	1.564	1.382	0.050	11.6	50.0	
2-Methylphenol	1.477	1.314	0.050	11.0	50.0	
Bis(2-chloroisopropyl)ether	1.316	1.193	0.050	9.3	50.0	
3- & 4-Methylphenol	1.504	1.359	0.050	9.6	50.0	
N-Nitroso-di-n-propylamine++	1.473	1.296	0.050	12.0	50.0	
Hexachloroethane	0.748	0.657	0.050	12.2	50.0	
Indeno(1,2,3-cd)pyrene	2.276	1.866	0.050	18.0	50.0	
Nitrobenzene	0.685	0.611	0.050	10.8	50.0	
Isophorone	1.138	0.975	0.050	14.3	50.0	
2-Nitrophenol +	0.204	0.176	0.050	13.7	20.0	
2,4-Dimethyphenol	0.520	0.434	0.050	16.5	50.0	
bis(-2-Chloroethoxy)methane	0.643	0.555	0.050	13.7	50.0	
Benzoic Acid	0.474	0.406	0.050	14.3	50.0	
2,4-Dichlorophenol +	0.318	0.289	0.050	9.1	20.0	
1,2,4-Trichlorobenzene	0.369	0.320	0.050	13.3	50.0	
Naphthalene	1.188	1.064	0.050	10.4	50.0	
4-Chloroaniline	0.168	0.149	0.050	11.3	50.0	
Hexachlorobutadiene +	0.274	0.230	0.050	16.0	20.0	
4-Chloro-3-Methylphenol +	0.404	0.367	0.050	9.2	20.0	
2-Methylnaphthalene	0.702	0.617	0.050	12.1	50.0	
1-Methylnapthalene	0.702	0.617	0.050	12.1	50.0	
Hexachlorocyclopentadiene ++	0.453	0.326	0.050	28.0	50.0	
2,4,6-Trichlorophenol +	0.460	0.376	0.050	18.3	20.0	
2,4,5-Trichlorphenol	0.484	0.391	0.050	19.2	50.0	
Dibenzo(a,h)anthracene	1.885	1.532	0.050	18.7	50.0	
2-Chloronaphthalene	1.387	1.080	0.050	22.1	50.0	
2-Nitroaniline	0.430	0.356	0.050	17.2	50.0	
Dimethylphthalate	1.502	1.270	0.050	15.4	50.0	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date: 06/03/02 Time: 1211

Lab File ID: A2022 Init. Calib. Date(s): 05/15/02 06/03/02

Init. Calib. Times: 2002 1147

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
2,6-Dinitrotoluene	0.329	0.282	0.050	14.3	50.0	
Acenaphthylene	2.116	1.676	0.050	20.8	50.0	
3-Nitroaniline	0.354	0.312	0.050	11.9	50.0	
Pyridine	1.884	1.812	0.050	3.8	50.0	
Acenaphthene +	1.360	1.127	0.050	17.1	20.0	
Acetophenone	2.098	0.045	0.050	97.8	50.0	<-
2,4-Dinitrophenol ++	0.177	0.136	0.050	23.2	50.0	
4-Nitrophenol ++	0.300	0.261	0.050	13.0	50.0	
Dibenzofuran	1.819	1.479	0.050	18.7	50.0	
2,4-Dinitrotoluene	0.443	0.390	0.050	12.0	50.0	
Diethylphthalate	1.499	1.276	0.050	14.9	50.0	
4-Chlorophenyl-phenylether	0.748	0.625	0.050	16.4	50.0	
Fluorene	1.482	1.276	0.050	13.9	50.0	
4-Nitroaniline	0.343	0.302	0.050	12.0	50.0	
4,6-Dinitro-o-cresol	0.151	0.132	0.050	12.6	50.0	
N-nitrosodiphenylamine (1)+	0.638	0.564	0.050	11.6	20.0	
Azobenzene	3.795	3.733	0.050	1.6	50.0	
Total Methylphenol	2.981	2.672	0.050	10.4	50.0	
4-Bromophenyl-phenylether	0.212	0.180	0.050	15.1	50.0	
Hexachlorobenzene	0.202	0.174	0.050	13.9	50.0	
Pentachlorophenol +	0.104	0.091	0.050	12.5	20.0	
Phenanthrene	1.228	1.066	0.050	13.2	50.0	
Anthracene	1.228	1.043	0.050	15.1	50.0	
Carbazole	1.058	0.889	0.050	16.0	50.0	
Di-n-butylphthalate	1.357	1.093	0.050	19.4	50.0	
Fluoranthene +	1.327	1.143	0.050	13.9	20.0	
Benzidine	0.239	0.419	0.050	-75.3	50.0	<-
Pyrene	1.536	1.350	0.050	12.1	50.0	
Benzo(g,h,i)perylene	1.924	1.625	0.050	15.5	50.0	
Butylbenzylphthalate	0.702	0.596	0.050	15.1	50.0	
3,3'-Dichlorobenzidine	0.429	0.390	0.050	9.1	50.0	
Benzo(a)anthracene	1.380	1.219	0.050	11.7	50.0	
bis(2-Ethylhexyl)phthalate	0.905	0.719	0.050	20.6	50.0	
Chrysene	1.380	1.179	0.050	14.6	50.0	
Di-n-octylphthalate +	1.576	1.230	0.050	22.0	20.0	<-
Benzo(b)fluoranthene	1.679	1.295	0.050	22.9	50.0	

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

Instrument ID: MSSV1 Calibration Date: 06/03/02 Time: 1211

Lab File ID: A2022 Init. Calib. Date(s): 05/15/02 06/03/02

Init. Calib. Times: 2002 1147

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
Benzo(k)fluoranthene	1.768	1.502	0.050	15.0	50.0	
Benzaldehyde	0.903	1.265	0.050	-40.1	50.0	
Caprolactam	0.125	0.011	0.050	91.2	50.0	<-
Biphenyl	0.829	0.655	0.050	21.0	50.0	
Atrazine	0.183	0.167	0.050	8.7	50.0	
2-Fluorophenol	1.670	1.558	0.050	6.7	50.0	
2,4,6-Tribromophenol	0.130	0.115	0.050	11.5	50.0	
Phenol-d5	2.037	1.882	0.050	7.6	50.0	
Nitrobenzene-d5	0.664	0.588	0.050	11.4	50.0	
2-Fluorobiphenyl	1.579	1.296	0.050	17.9	50.0	
Terphenyl-d14	0.931	0.869	0.050	6.6	50.0	

All other compounds must meet a minimum RRF of 0.010.

Data File: /var/chem/MSSV1.i/2020603.s.b/a2022.d
Report Date: 07-Jun-2002 14:04

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV1.i
Lab File ID: a2022.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/MSSV1.i/2020603.s.b/8270CE_01.m

Injection Date: 03-JUN-2002 12:11
Init. Cal. Date(s): 26-DEC-2001 03-JUN-2002
Init. Cal. Times: 12:47 11:47
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	2 Pyridine	1.88418	1.81166	0.050	-3.84929	50.00000	Averaged
	1 n-Nitrosodimethylamine	0.67220	0.58406	0.050	-13.11246	50.00000	Averaged
$	3 2-Fluorophenol	1.66967	1.55761	0.050	-6.71146	50.00000	Averaged
$	4 Phenol-d5	2.03752	1.88168	0.050	-7.64845	50.00000	Averaged
	5 Aniline	2.53517	1.36510	0.050	-46.15336	50.00000	Averaged
	6 Phenol +	2.51584	2.29512	0.050	-8.77329	20.00000	Averaged
	7 bis(-2-Chloroethyl)Ether	1.24560	1.09412	0.050	-12.16129	50.00000	Averaged
	8 2-Chlorophenol	1.38883	1.27103	0.050	-8.48206	50.00000	Averaged
	9 1,3-Dichlorobenzene	1.65963	1.47668	0.050	-11.02345	50.00000	Averaged
	11 1,4-Dichlorobenzene +	1.71313	1.52361	0.050	-11.06244	20.00000	Averaged
	12 Benzyl alcohol	1.03427	0.91375	0.050	-11.65244	50.00000	Averaged
	13 1,2-Dichlorobenzene	1.56346	1.38199	0.050	-11.60693	50.00000	Averaged
	15 2-Methylphenol	1.47674	1.31380	0.050	-11.03399	50.00000	Averaged
	14 Bis(2-chloroisopropyl)ether	1.31554	1.19300	0.050	-9.31534	50.00000	Averaged
	17 3- & 4-Methylphenol	1.50395	1.35871	0.050	-9.65707	50.00000	Averaged
	16 N-Nitroso-di-n-propylamine+	1.47343	1.29600	0.050	-12.04162	50.00000	Averaged
	18 Hexachloroethane	0.74839	0.65686	0.050	-12.23033	50.00000	Averaged
$	19 Nitrobenzene-d5	0.66388	0.58768	0.050	-11.47855	50.00000	Averaged
	20 Nitrobenzene	0.68470	0.61133	0.050	-10.71516	50.00000	Averaged
	21 Isophorone	1.13745	0.97468	0.050	-14.31047	50.00000	Averaged
	22 2-Nitrophenol +	0.20371	0.17651	0.050	-13.35409	20.00000	Averaged
	23 2,4-Dimethyphenol	0.52042	0.43454	0.050	-16.50238	50.00000	Averaged
	24 bis(-2-Chloroethoxy)methane	0.64292	0.55492	0.050	-13.68768	50.00000	Averaged
	25 Benzoic Acid	0.47422	0.40640	0.050	-14.30252	50.00000	Averaged
	26 2,4-Dichlorophenol +	0.31779	0.28946	0.050	-8.91467	20.00000	Averaged
	27 1,2,4-Trichlorobenzene	0.36944	0.31969	0.050	-13.46714	50.00000	Averaged
	29 Naphthalene	1.18857	1.06454	0.050	-10.43509	50.00000	Averaged
	30 4-Chloroaniline	0.16749	0.14882	0.050	-11.14671	50.00000	Averaged
	31 Hexachlorobutadiene +	0.27401	0.23013	0.050	-16.01214	20.00000	Averaged
	32 4-Chloro-3-Methylphenol +	0.40357	0.36675	0.050	-9.12365	20.00000	Averaged
	33 2-Methylnaphthalene	0.70193	0.61728	0.050	-12.06033	50.00000	Averaged
	145 1-Methylnapthalene	0.70193	0.61728	0.050	-12.06033	50.00000	Averaged
	34 Hexachlorocyclopentadiene +	0.45291	0.32638	0.050	-27.93682	50.00000	Averaged
	35 2,4,6-Trichlorophenol +	0.45999	0.37613	0.050	-18.23173	20.00000	Averaged
	36 2,4,5-Trichlorphenol	0.48399	0.39139	0.050	-19.13201	50.00000	Averaged
$	37 2-Fluorobiphenyl	1.57924	1.29646	0.050	-17.90589	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV1.i
Lab File ID: a2022.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/MSSV1.i/2020603.s.b/8270CE_01.m

Injection Date: 03-JUN-2002 12:11
Init. Cal. Date(s): 26-DEC-2001 03-JUN-2002
Init. Cal. Times: 12:47 11:47
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
	38 2-Chloronaphthalene	1.38723	1.07989	0.050	-22.15534	50.00000	Averaged	
	39 2-Nitroaniline	0.42942	0.35584	0.050	-17.13404	50.00000	Averaged	
	40 Dimethylphthalate	1.50144	1.27005	0.050	-15.41154	50.00000	Averaged	
	41 2,6-Dinitrotoluene	0.32862	0.28154	0.050	-14.32615	50.00000	Averaged	
	42 Acenaphthylene	2.11558	1.67590	0.050	-20.78305	50.00000	Averaged	
	43 3-Nitroaniline	0.35455	0.31158	0.050	-12.12169	50.00000	Averaged	
	45 Acenaphthene +	1.35964	1.12725	0.050	-17.09208	20.00000	Averaged	
	46 2,4-Dinitrophenol ++	0.17765	0.13608	0.050	-23.40270	50.00000	Averaged	
	49 4-Nitrophenol ++	0.30004	0.26068	0.050	-13.11865	50.00000	Averaged	
	47 Dibenzofuran	1.81923	1.47932	0.050	-18.68450	50.00000	Averaged	
	48 2,4-Dinitrotoluene	0.44307	0.39013	0.050	-11.94764	50.00000	Averaged	
	50 Diethylphthalate	1.49886	1.27621	0.050	-14.85425	50.00000	Averaged	
	52 4-Chlorophenyl-phenylether	0.74754	0.62461	0.050	-16.44428	50.00000	Averaged	
	51 Fluorene	1.48211	1.27597	0.050	-13.90895	50.00000	Averaged	
	53 4-Nitroaniline	0.34265	0.30176	0.050	-11.93324	50.00000	Averaged	
	54 4,6-Dinitro-o-cresol	0.15082	0.13203	0.050	-12.45850	50.00000	Averaged	
	55 N-nitrosodiphenylamine (1)+	0.63852	0.56431	0.050	-11.62245	20.00000	Averaged	
	56 Azobenzene	3.79503	3.73264	0.050	-1.64402	50.00000	Averaged	
$	57 2,4,6-Tribromophenol	0.13032	0.11544	0.050	-11.42151	50.00000	Averaged	
	58 4-Bromophenyl-phenylether	0.21147	0.18055	0.050	-14.62040	50.00000	Averaged	
	59 Hexachlorobenzene	0.20210	0.17420	0.050	-13.80195	50.00000	Averaged	
	60 Pentachlorophenol +	0.10433	0.09110	0.050	-12.67403	20.00000	Averaged	
	62 Phenanthrene	1.22811	1.06598	0.050	-13.20155	50.00000	Averaged	
	63 Anthracene	1.22772	1.04263	0.050	-15.07592	50.00000	Averaged	
	64 Carbazole	1.05778	0.88901	0.050	-15.95462	50.00000	Averaged	
	65 Di-n-butylphthalate	1.35730	1.09269	0.050	-19.49541	50.00000	Averaged	
	67 Fluoranthene +	1.32704	1.14327	0.050	-13.84809	20.00000	Averaged	
	69 Pyrene	1.53572	1.35015	0.050	-12.08328	50.00000	Averaged	
$	70 Terphenyl-d14	0.93098	0.86885	0.050	-6.67384	50.00000	Averaged	
	71 Butylbenzylphthalate	0.70257	0.59591	0.050	-15.18117	50.00000	Averaged	
	73 3,3'-Dichlorobenzidine	0.42942	0.39013	0.050	-9.14902	50.00000	Averaged	
	72 Benzo(a)anthracene	1.37985	1.21880	0.050	-11.67161	50.00000	Averaged	
	76 bis(2-Ethylhexyl)phthalate	0.90515	0.71936	0.050	-20.52509	50.00000	Averaged	
	75 Chrysene	1.37961	1.17912	0.050	-14.53237	50.00000	Averaged	
	77 Di-n-octylphthalate +	1.57603	1.23002	0.050	-21.95431	20.00000	Averaged	<-
	78 Benzo(b)fluoranthene	1.67877	1.29545	0.050	-22.83329	50.00000	Averaged	

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV1.i
Lab File ID: a2022.d
Analysis Type: WATER
Lab Sample ID: ICV050
Method: /var/chem/MSSV1.i/2020603.s.b/8270CE_01.m

Injection Date: 03-JUN-2002 12:11
Init. Cal. Date(s): 26-DEC-2001 03-JUN-2002
Init. Cal. Times: 12:47 11:47
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
	79 Benzo(k)fluoranthene	1.76777	1.50193	0.050	-15.03784	50.00000	Averaged	
	80 Benzo(a)pyrene +	1.60199	1.24020	0.050	-22.58367	20.00000	Averaged	<-
	82 Indeno(1,2,3-cd)pyrene	2.27674	1.86596	0.050	-18.04224	50.00000	Averaged	
	83 Dibenzo(a,h)anthracene	1.88480	1.53259	0.050	-18.68687	50.00000	Averaged	
	84 Benzo(g,h,i)perylene	1.92447	1.62469	0.050	-15.57691	50.00000	Averaged	
M	66 Total Methylphenol	2.98069	2.67251	0.050	-10.33924	50.00000	Averaged	

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42565	Method Blank	Water	06/06/2002 10:06

SW-846 1311/8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 12:35	RLW	133959

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
106-46-7	1,4-Dichlorobenzene	ND	0.050	0.020	mg/L
95-95-4	2,4,5-Trichlorophenol	ND	0.050	0.020	mg/L
88-06-2	2,4,6-Trichlorophenol	ND	0.050	0.020	mg/L
121-14-2	2,4-Dinitrotoluene	ND	0.050	0.020	mg/L
1319-77-3	Cresols	ND	0.100	0.020	mg/L
118-74-1	Hexachlorobenzene	ND	0.050	0.020	mg/L
87-68-3	Hexachlorobutadiene	ND	0.050	0.020	mg/L
67-72-1	Hexachloroethane	ND	0.050	0.020	mg/L
98-95-3	Nitrobenzene	ND	0.050	0.020	mg/L
87-86-5	Pentachlorophenol	ND	0.100	0.020	mg/L
110-86-1	Pyridine	ND	0.050	0.020	mg/L
1319-77-3	m,p-Cresol	ND	0.050	0.020	mg/L
95-48-7	o-Cresol	ND	0.050	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	50	40 ug/L	80	43 - 116
321-60-8	2-Fluorobiphenyl	50	38.5 ug/L	77	16 - 116
1718-51-0	Terphenyl-d14	50	47.6 ug/L	95	47 - 137
4165-62-2	Phenol-d5	100	23.9 ug/L	24	10 - 113
367-12-4	2-Fluorophenol	100	29.8 ug/L	30	24 - 106
118-79-6	2,4,6-Tribromophenol	100	67.1 ug/L	67	19 - 120

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42566	Lab Control Sample	Water	06/06/2002 10:06

SW-846 1311/8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 10:30	133945	3510C	1	06/03/2002 12:59	RLW	133959

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
106-46-7	**1,4-Dichlorobenzene**	**0.073**	**0.050**	**0.020**	**mg/L**
95-95-4	**2,4,5-Trichlorophenol**	**0.076**	**0.050**	**0.020**	**mg/L**
88-06-2	**2,4,6-Trichlorophenol**	**0.077**	**0.050**	**0.020**	**mg/L**
121-14-2	**2,4-Dinitrotoluene**	**0.088**	**0.050**	**0.020**	**mg/L**
1319-77-3	Cresols	0.057J	0.100	0.020	mg/L
118-74-1	**Hexachlorobenzene**	**0.083**	**0.050**	**0.020**	**mg/L**
87-68-3	**Hexachlorobutadiene**	**0.075**	**0.050**	**0.020**	**mg/L**
67-72-1	**Hexachloroethane**	**0.071**	**0.050**	**0.020**	**mg/L**
98-95-3	**Nitrobenzene**	**0.082**	**0.050**	**0.020**	**mg/L**
87-86-5	Pentachlorophenol	0.089J	0.100	0.020	mg/L
110-86-1	Pyridine	0.036J	0.050	0.020	mg/L
1319-77-3	**m,p-Cresol**	**0.055**	**0.050**	**0.020**	**mg/L**
95-48-7	**o-Cresol**	**0.060**	**0.050**	**0.020**	**mg/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	**Nitrobenzene-d5**	50	41.9 ug/L	84	43 - 116
321-60-8	**2-Fluorobiphenyl**	50	39 ug/L	78	16 - 116
1718-51-0	**Terphenyl-d14**	50	62.8 ug/L	126	47 - 137
4165-62-2	**Phenol-d5**	100	26.7 ug/L	27	10 - 113
367-12-4	**2-Fluorophenol**	100	40.1 ug/L	40	24 - 106
118-79-6	**2,4,6-Tribromophenol**	100	85.3 ug/L	85	19 - 120

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

	EPA SAMPLE NO.	S1 (TCX)#	S2 (DCB)#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	42362	104	132							0
02	42363	124	136							0
03	49SA-S-0529	90	120							0
04	42364	122	136							0
05	42365	85	99							0
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (TCX)	= Tetrachloro-m-xylene	(60-150)	
S2 (DCB)	= Decachlorobiphenyl	(60-150)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42363 | ORIGINAL LAB ID: | PREP BATCH: 133748
MATRIX Water | ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0.0005 mg/L	0.0006	120	37 - 142
72-43-5	Methoxychlor	0.0005 mg/L	0.00089	178 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0.0005 mg/L	0.00062	124	32 - 127
76-44-8	Heptachlor	0.0005 mg/L	0.00064	128 *	34 - 111
72-20-8	Endrin	0.0005 mg/L	0.00065	130	30 - 147

MS LAB ID: 42364 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133748
MATRIX Solid | ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0	0.005 mg/L	0.00599	120	37 - 142
72-43-5	Methoxychlor	0	0.005 mg/L	0.00911	182 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0	0.005 mg/L	0.00609	122	32 - 127
76-44-8	Heptachlor	0	0.005 mg/L	0.00647	129 *	34 - 111
72-20-8	Endrin	0	0.005 mg/L	0.00662	132	30 - 147

MSD LAB ID: 42365 | ORIGINAL LAB ID: 20205292213 | PREP BATCH: 133748
MATRIX Solid | ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
1024-57-3	Heptachlor epoxide	0.005 mg/L	0.00431	86	37 - 142	33	0 - 40
72-43-5	Methoxychlor	0.005 mg/L	0.00632	126	26 - 144	36	0 - 40
58-89-9	gamma-BHC (Lindane)	0.005 mg/L	0.00451	90	32 - 127	30	0 - 40
76-44-8	Heptachlor	0.005 mg/L	0.00476	95	34 - 111	30	0 - 40
72-20-8	Endrin	0.005 mg/L	0.00481	96	30 - 147	32	0 - 40

LCS ID: 42513 | ORIGINAL LAB ID: | PREP BATCH: 133923
MATRIX Water | ANALYTICAL BATCH: 134050

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0.002 mg/L	0.002	76	10 - 126
93-72-1	2,4,5-TP (Silvex)	0.002 mg/L	0.002	92	34 - 124

MS LAB ID: 42514 | ORIGINAL LAB ID: 20205301310 | PREP BATCH: 133923
MATRIX Solid | ANALYTICAL BATCH: 134050

SW-846 1311/8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	0.02 mg/L	0.013	63	10 - 126
93-72-1	2,4,5-TP (Silvex)	0	0.02 mg/L	0.012	60	34 - 124

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 8081A, TCLP Pesticides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 16:55	TLS	133942

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-74-9	Chlordane	ND	0.02500	0.00016	mg/L
72-20-8	Endrin	ND	0.00100	0.00013	mg/L
76-44-8	Heptachlor	ND	0.00050	0.00008	mg/L
1024-57-3	Heptachlor epoxide	ND	0.00050	0.0001	mg/L
72-43-5	Methoxychlor	ND	0.02500	0.00065	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.00050	mg/L
58-89-9	gamma-BHC (Lindane)	ND	0.00050	0.00006	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	5	4.5 ug/L	90	60 - 150
2051-24-3	Decachlorobiphenyl	5	6.01 ug/L	120	60 - 150

RESULTS REPORTED ON A WET WEIGHT BASIS

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv11.i/2020531.b/SV11022.d
Level 2: /var/chem/gcsv11.i/2020531.b/SV11023.d
Level 3: /var/chem/gcsv11.i/2020531.b/SV11024.d
Level 4: /var/chem/gcsv11.i/2020531.b/SV11026.d
Level 5: /var/chem/gcsv11.i/2020531.b/SV11027.d

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	RRF	% RSD	
	2 alpha-BHC	238030	304249	334508	302793	335600	303036	13.074	
	3 gamma-BHC (Lindane)	243068	300852	322197	290499	320920	295507	10.915	
	4 Heptachlor	192329	237285	253560	234875	261274	235864	11.331	
	5 Aldrin	222890	274516	269776	294972	300324	272495	11.239	
	6 beta-BHC	153403	153137	137347	145630	147716	147447	4.463	
	7 delta-BHC	215251	273377	272759	298236	307572	273439	13.143	
	8 Heptachlor epoxide	185465	223647	225163	240274	246122	224134	10.559	
	9 Endosulfan I	166386	202362	214981	199851	223339	201384	10.808	
	10 gamma-Chlordane	186774	227636	233116	251983	259617	231825	12.253	
	11 alpha-Chlordane	196361	235782	239036	257482	265774	238887	11.246	
	12 4,4'-DDE	187501	228227	224180	237966	243090	224193	9.745	
	13 Dieldrin	158072	201334	211299	194960	216955	196524	11.769	
	14 Endrin	141548	174454	178959	166637	185209	169361	10.012	
	15 4,4'-DDD	127376	152702	157880	148042	165768	150354	9.599	
	16 Endosulfan II	144194	174668	173657	186308	190406	173846	10.408	
	17 4,4'-DDT	62263	95482	115789	109422	134042	103400	25.967	<-
	18 Endrin aldehyde	67682	85055	81016	90296	93813	83572	12.134	
	19 Methoxychlor	41905	53008	56263	53563	61326	53213	13.393	
	20 Endosulfan sulfate	119796	141252	145975	153212	159204	143888	10.501	
	21 Endrin ketone	119842	147189	149396	157660	161888	147195	11.155	
M	23 AR 1016-AVG	40106	40801	38352	34722	33674	37531	8.505	
	24 AR 1016-PEAK1	4514	4709	4527	4120	4040	4382	6.564	
	25 AR 1016-PEAK2	8922	8907	8337	7431	7093	8138	10.348	
	26 AR 1016-PEAK3	18235	18449	17244	15564	15099	16918	9.025	
	27 AR 1016-PEAK4	8436	8735	8245	7607	7441	8093	6.806	
M	28 AR 1260-AVG	52230	54379	55214	52092	53664	53516	2.530	

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
	29 AR 1260-PEAK1	6325	6679	7468	6772	7021	6853	6.197
	30 AR 1260-PEAK2	9618	9844	9457	8522	8611	9210	6.563
	31 AR 1260-PEAK3	13114	13188	13472	12571	12646	12998	2.929
	32 AR 1260-PEAK4	23173	24669	24817	24227	25386	24454	3.384
M	33 AR 1260-AVGII	++++++	++++++	++++++	++++++	++++++	++++++	++++++
	34 AR 1260-PEAK5	++++++	++++++	++++++	++++++	++++++	++++++	++++++
	35 AR 1260-PEAK6	++++++	++++++	++++++	++++++	++++++	++++++	++++++
	36 AR 1260-PEAK7	++++++	++++++	++++++	++++++	++++++	++++++	++++++
M	37 AR 1221-AVG	++++++	++++++	11904	++++++	++++++	11904	0.000
	38 AR 1221-PEAK1	++++++	++++++	1368	++++++	++++++	1368	0.000
	39 AR 1221-PEAK2	++++++	++++++	2519	++++++	++++++	2519	0.000
	40 AR 1221-PEAK3	++++++	++++++	1630	++++++	++++++	1630	0.000
	41 AR 1221-PEAK4	++++++	++++++	6385	++++++	++++++	6385	0.000
M	42 AR 1232-AVG	++++++	++++++	24208	++++++	++++++	24208	0.000
	43 AR 1232-PEAK1	++++++	++++++	6600	++++++	++++++	6600	0.000
	44 AR 1232-PEAK2	++++++	++++++	4266	++++++	++++++	4266	0.000
	45 AR 1232-PEAK3	++++++	++++++	8952	++++++	++++++	8952	0.000
	46 AR 1232-PEAK4	++++++	++++++	4390	++++++	++++++	4390	0.000
M	47 AR 1242-AVG	++++++	++++++	33449	++++++	++++++	33449	0.000
	48 AR 1242-PEAK1	++++++	++++++	4068	++++++	++++++	4068	0.000
	49 AR 1242-PEAK2	++++++	++++++	7293	++++++	++++++	7293	0.000
	50 AR 1242-PEAK3	++++++	++++++	14852	++++++	++++++	14852	0.000
	51 AR 1242-PEAK4	++++++	++++++	7237	++++++	++++++	7237	0.000
M	52 AR 1248-AVG	++++++	++++++	40390	++++++	++++++	40390	0.000
	53 AR 1248-PEAK1	++++++	++++++	9351	++++++	++++++	9351	0.000
	54 AR 1248-PEAK2	++++++	++++++	13517	++++++	++++++	13517	0.000
	55 AR 1248-PEAK3	++++++	++++++	9443	++++++	++++++	9443	0.000
	56 AR 1248-PEAK4	++++++	++++++	2585	++++++	++++++	2585	0.000
M	57 AR 1254-AVG	++++++	++++++	29120	++++++	++++++	29120	0.000
	58 AR 1254-PEAK1	++++++	++++++	3717	++++++	++++++	3717	0.000
	59 AR 1254-PEAK2	++++++	++++++	3187	++++++	++++++	3187	0.000
	60 AR 1254-PEAK3	++++++	++++++	7706	++++++	++++++	7706	0.000
	61 AR 1254-PEAK4	++++++	++++++	14509	++++++	++++++	14509	0.000

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 31-MAY-2002 16:29
End Cal Date : 01-JUN-2002 15:28
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date : 04-Jun-2002 17:53 tls
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	20359	20359	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	4708	4708	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	4174	4174	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	5262	5262	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	6215	6215	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	312626	312626	0.000
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	80867	80867	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	8470	8470	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	14783	14783	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	23555	23555	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	34059	34059	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	33852	33852	0.000
	164 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	165 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	166 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$	1 Tetrachloro-m-xylene	224522	228156	231392	199795	216096	219992	5.751
$	22 Decachlorobiphenyl	145610	163124	160479	148231	163429	156174	5.491

Report Date : 07-Jun-2002 14:56

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 31-MAY-2002 16:29
End Cal Date	: 01-JUN-2002 15:28
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv11.i/2020603.b/pest1701a.m
Cal Date	: 04-Jun-2002 17:53 tls
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 9.61900138                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv11.i/2020603.b/SV11001.d
Report Date: 07-Jun-2002 14:57

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020603.b/SV11001.d
Lab Smp Id: DEG STD
Inj Date : 03-JUN-2002 09:42
Operator : tls Inst ID: gcsv11.i
Smp Info : DEG STD
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020603.b/pest3.m
Meth Date : 03-Jun-2002 12:58 tls Quant Type: ESTD
Cal Date : 01-JUN-2002 14:58 Cal File: SV11026.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	13.120	13.103	0.017	564715	3.69397	0.0369
17 4,4'-DDT	13.540	13.534	0.006	9022603	84.4040	0.8440
21 Endrin ketone	16.143	16.148	-0.005	182115	1.20276	0.0120
14 Endrin	11.912	11.908	0.004	15617009	90.0895	0.9008

DDT - $\frac{564715}{9587318} = 5.9\%$

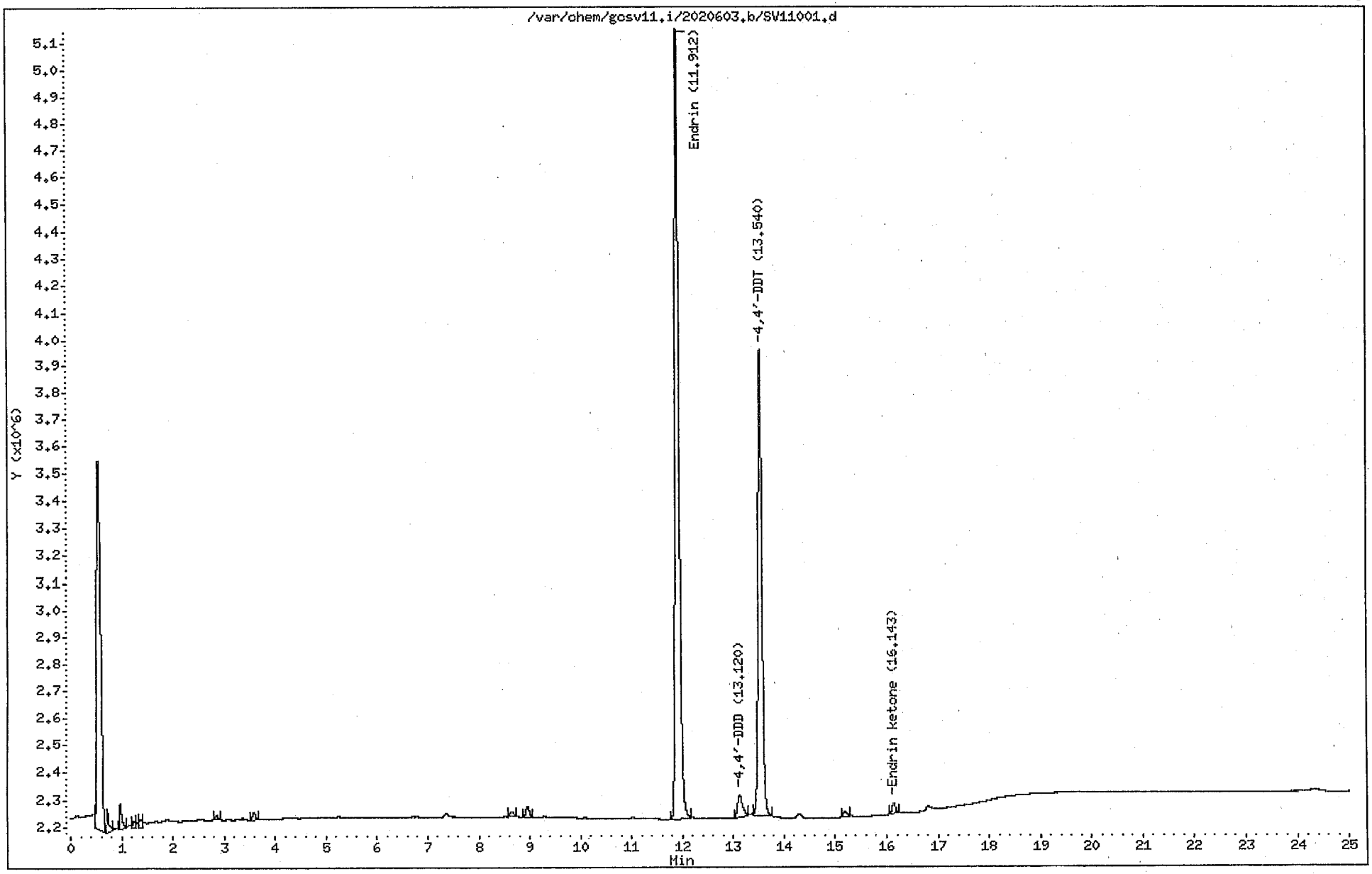
ENDRIN - $\frac{182115}{15799124} = 1.15\%$

Data File: /var/chem/gcsv11.i/2020603.b/SV11001.d
Date : 03-JUN-2002 09:42
Client ID:
Sample Info: DEG STD
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tls
Column diameter: 0.53

000066



Data File: /var/chem/gcsv11.i/2020603.b/SV11002.d
Report Date: 03-Jun-2002 10:48

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11002.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv11.i/2020603.b/pest3.m

Injection Date: 03-JUN-2002 10:12
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	219781	239357	0.010	-8.90712	15.00000	Averaged	
2 alpha-BHC	313850	346109	0.010	-10.27843	15.00000	Averaged	
3 gamma-BHC (Lindane)	304516	335175	0.010	-10.06803	15.00000	Averaged	
4 Heptachlor	241906	267978	0.010	-10.77760	15.00000	Averaged	
9 Endosulfan I	205732	220061	0.010	-6.96496	15.00000	Averaged	
13 Dieldrin	202531	215879	0.010	-6.59056	15.00000	Averaged	
14 Endrin	173350	179961	0.010	-3.81361	15.00000	Averaged	
15 4,4'-DDD	152875	162049	0.010	-6.00128	15.00000	Averaged	
17 4,4'-DDT	106898	126905	0.010	-18.71627	15.00000	Averaged	<-
19 Methoxychlor	54278	57242	0.010	-5.46019	15.00000	Averaged	
$ 22 Decachlorobiphenyl	157278	155686	0.010	1.01211	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.05365
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020603.b/SV11003.d
Report Date: 03-Jun-2002 11:24

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11003.d
Analysis Type: WATER
Lab Sample ID: IND B III
Method: /var/chem/gcsv11.i/2020603.b/pest3.m

Injection Date: 03-JUN-2002 10:42
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
5 Aldrin	279754	278692	0.010	0.37960	15.00000	Averaged
6 beta-BHC	145372	143192	0.010	1.49918	15.00000	Averaged
7 delta-BHC	281457	283865	0.010	-0.85560	15.00000	Averaged
8 Heptachlor epoxide	229695	232771	0.010	-1.33911	15.00000	Averaged
10 gamma-Chlordane	237578	243580	0.010	-2.52622	15.00000	Averaged
11 alpha-Chlordane	244100	248858	0.010	-1.94908	15.00000	Averaged
12 4,4'-DDE	230124	230393	0.010	-0.11661	15.00000	Averaged
16 Endosulfan II	178211	179235	0.010	-0.57462	15.00000	Averaged
18 Endrin aldehyde	85456	81392	0.010	4.75485	15.00000	Averaged
20 Endosulfan sulfate	146813	150899	0.010	-2.78314	15.00000	Averaged
21 Endrin ketone	151415	153422	0.010	-1.32577	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 1.64580
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020603.b/SV11013.d
Report Date: 04-Jun-2002 17:53

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11013.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv11.i/2020603.b/pest1701a.m

Injection Date: 03-JUN-2002 17:25
Init. Cal. Date(s): 31-MAY-2002 01-JUN-2002
Init. Cal. Times: 16:29 15:28
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	219992	247110	0.010	-12.32651	15.00000	Averaged	
2 alpha-BHC	303036	359406	0.010	-18.60192	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	295507	345700	0.010	-16.98530	15.00000	Averaged	<-
4 Heptachlor	235864	279690	0.010	-18.58086	15.00000	Averaged	<-
9 Endosulfan I	201384	226596	0.010	-12.51929	15.00000	Averaged	
13 Dieldrin	196524	222471	0.010	-13.20298	15.00000	Averaged	
14 Endrin	169361	186859	0.010	-10.33164	15.00000	Averaged	
15 4,4'-DDD	150354	167760	0.010	-11.57682	15.00000	Averaged	
17 4,4'-DDT	103400	131150	0.010	-26.83776	15.00000	Averaged	<-
19 Methoxychlor	53213	59683	0.010	-12.15894	15.00000	Averaged	
$ 22 Decachlorobiphenyl	156174	160601	0.010	-2.83428	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 14.17785
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42362	Method Blank	Water	06/05/2002 18:04

SW-846 1311/8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 13:28	TLS	133942

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-20-8	Endrin	ND	0.00100	0.020	mg/L
76-44-8	Heptachlor	ND	0.00050	0.020	mg/L
1024-57-3	Heptachlor epoxide	ND	0.00050	0.020	mg/L
72-43-5	Methoxychlor	ND	0.02500	0.020	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.020	mg/L
58-89-9	gamma-BHC (Lindane)	ND	0.00050	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	Tetrachloro-m-xylene	0.5	0.519 ug/L	104	60 - 150
2051-24-3	Decachlorobiphenyl	0.5	0.663 ug/L	133	60 - 150

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42363	Lab Control Sample	Water	06/05/2002 18:04

SW-846 1311/8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
05/31/2002 16:00	133748	3510C	1	06/03/2002 13:58	TLS	133942

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-20-8	Endrin	0.00065J	0.00100	0.020	mg/L
76-44-8	**Heptachlor**	**0.00064**	**0.00050**	**0.020**	**mg/L**
1024-57-3	**Heptachlor epoxide**	**0.00060**	**0.00050**	**0.020**	**mg/L**
72-43-5	Methoxychlor	0.00089J	0.02500	0.020	mg/L
8001-35-2	Toxaphene	ND	0.25000	0.020	mg/L
58-89-9	**gamma-BHC (Lindane)**	**0.00062**	**0.00050**	**0.020**	**mg/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	0.5	0.62 ug/L	124	60 - 150
2051-24-3	**Decachlorobiphenyl**	0.5	0.681 ug/L	136	60 - 150

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202053013 SAS No.: SDG No.: 202053013

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	42512	98								0
02	42513	114								0
03	49SA-S-0529	57								0
04	42514	49								0
05	42515	80								0
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

S1 = DCAA QC LIMITS (37-140)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 42363	ORIGINAL LAB ID:	PREP BATCH: 133748
	MATRIX Water	ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0.0005 mg/L	0.0006	120	37 - 142
72-43-5	Methoxychlor	0.0005 mg/L	0.00089	178 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0.0005 mg/L	0.00062	124	32 - 127
76-44-8	Heptachlor	0.0005 mg/L	0.00064	128 *	34 - 111
72-20-8	Endrin	0.0005 mg/L	0.00065	130	30 - 147

MS LAB ID: 42364	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133748
	MATRIX Solid	ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
1024-57-3	Heptachlor epoxide	0	0.005 mg/L	0.00599	120	37 - 142
72-43-5	Methoxychlor	0	0.005 mg/L	0.00911	182 *	26 - 144
58-89-9	gamma-BHC (Lindane)	0	0.005 mg/L	0.00609	122	32 - 127
76-44-8	Heptachlor	0	0.005 mg/L	0.00647	129 *	34 - 111
72-20-8	Endrin	0	0.005 mg/L	0.00662	132	30 - 147

MSD LAB ID: 42365	ORIGINAL LAB ID: 20205292213	PREP BATCH: 133748
	MATRIX Solid	ANALYTICAL BATCH: 133942

SW-846 1311/8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
1024-57-3	Heptachlor epoxide	0.005 mg/L	0.00431	86	37 - 142	33	0 - 40
72-43-5	Methoxychlor	0.005 mg/L	0.00632	126	26 - 144	36	0 - 40
58-89-9	gamma-BHC (Lindane)	0.005 mg/L	0.00451	90	32 - 127	30	0 - 40
76-44-8	Heptachlor	0.005 mg/L	0.00476	95	34 - 111	30	0 - 40
72-20-8	Endrin	0.005 mg/L	0.00481	96	30 - 147	32	0 - 40

LCS ID: 42513	ORIGINAL LAB ID:	PREP BATCH: 133923
	MATRIX Water	ANALYTICAL BATCH: 134050

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0.002 mg/L	0.002	76	10 - 126
93-72-1	2,4,5-TP (Silvex)	0.002 mg/L	0.002	92	34 - 124

MS LAB ID: 42514	ORIGINAL LAB ID: 20205301310	PREP BATCH: 133923
	MATRIX Solid	ANALYTICAL BATCH: 134050

SW-846 1311/8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	0.02 mg/L	0.013	63	10 - 126
93-72-1	2,4,5-TP (Silvex)	0	0.02 mg/L	0.012	60	34 - 124

QUALITY CONTROL SUMMARY

MSD LAB ID: 42515	ORIGINAL LAB ID: 20205301310	PREP BATCH: 133923
	MATRIX Solid	ANALYTICAL BATCH: 134050

SW-846 1311/8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	0.02 mg/L	0.023	115	10 - 126	58 *	0 - 40
93-72-1	2,4,5-TP (Silvex)	0.02 mg/L	0.019	94	34 - 124	44 *	0 - 40

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 8151A, TCLP Herbicides

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 13:00	133923	3510C	1	06/03/2002 21:56	TLS	134050

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
94-75-7	2,4'-D	ND	0.050	0.002	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.002	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
19719-28-9	DCAA	40	22.9 ug/L	57	37 - 140

RESULTS REPORTED ON A WET WEIGHT BASIS

Report Date : 07-Jun-2002 14:42

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-JUN-2002 14:07
End Cal Date : 03-JUN-2002 16:22
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv6.i/2020603.b/M8151.m
Cal Date : 05-Jun-2002 17:10 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv6.i/2020603.b/SV6002.d
Level 2: /var/chem/gcsv6.i/2020603.b/SV6003.d
Level 3: /var/chem/gcsv6.i/2020603.b/SV6004.d
Level 4: /var/chem/gcsv6.i/2020603.b/SV6005.d
Level 5: /var/chem/gcsv6.i/2020603.b/SV6006.d
Level 6: /var/chem/gcsv6.i/2020603.b/SV6007.d

Compound	6.250 Level 1	12.500 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
7 2,4-D	443765	448663	455001	366837	384754	346258	407546	11.607
8 2,4,5-TP	1505284	1506720	1543779	1396261	1427548	1252091	1438614	7.412
9 2,4,5-T	1387368	1418743	1447699	1318854	1351047	1187678	1351898	6.857
$ 2 DCAA	456437	465160	459903	364814	372212	328655	407864	14.608

Report Date : 07-Jun-2002 14:42

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 03-JUN-2002 14:07
End Cal Date	: 03-JUN-2002 16:22
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv6.i/2020603.b/M8151.m
Cal Date	: 05-Jun-2002 17:10 tls
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 10.1207876                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv6.i/2020603.b/SV6015.d
Report Date: 04-Jun-2002 18:22

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6015.d
Analysis Type: WATER
Lab Sample ID: 50 PPB CCV
Method: /var/chem/gcsv6.i/2020603.b/M8151.m

Injection Date: 03-JUN-2002 20:08
Init. Cal. Date(s): 03-JUN-2002 03-JUN-2002
Init. Cal. Times: 14:07 16:22
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 2 DCAA	407864	443744	0.010	-8.79713	15.00000	Averaged
7 2,4-D	407546	457034	0.010	-12.14282	15.00000	Averaged
8 2,4,5-TP	1438614	1508416	0.010	-4.85201	15.00000	Averaged
9 2,4,5-T	1351898	1438907	0.010	-6.43608	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 8.05701
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020603.b/SV6023.d
Report Date: 04-Jun-2002 18:22

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6023.d
Analysis Type: WATER
Lab Sample ID: 50 PPB CCV
Method: /var/chem/gcsv6.i/2020603.b/M8151.m

Injection Date: 03-JUN-2002 23:43
Init. Cal. Date(s): 03-JUN-2002 03-JUN-2002
Init. Cal. Times: 14:07 16:22
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 2 DCAA	407864	466640	0.010	-14.41094	15.00000	Averaged	
7 2,4-D	407546	482978	0.010	-18.50886	15.00000	Averaged	<-
8 2,4,5-TP	1438614	1565725	0.010	-8.83563	15.00000	Averaged	
9 2,4,5-T	1351898	1489406	0.010	-10.17151	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 12.98173
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42512	Method Blank	Water	06/05/2002 18:04

SW-846 1311/8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 13:00	133923	3510C	1	06/03/2002 21:02	TLS	134050

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	ND	0.050	0.020	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	4	3.9 ug/L	98	37 - 140

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42513	Lab Control Sample	Water	06/05/2002 18:04

SW-846 1311/8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/01/2002 13:00	133923	3510C	1	06/03/2002 21:29	TLS	134050

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	0.002J	0.050	0.020	mg/L
93-72-1	2,4,5-TP (Silvex)	ND	0.005	0.020	mg/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	4	4.56 ug/L	114	37 - 140

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301301	005-49A1-S-0529-02	Solid	05/29/2002 10:40	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 16:43	JAC	134125

CAS #	PARAMETER	RESULT		PQL	MDL	UNITS
7439-92-1	Lead	6.39	*	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301302	005-49A2-S-0529-02	Solid	05/29/2002 11:00	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 16:48	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	1.18	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301303	005-49A21-S-0529-02	Solid	05/29/2002 11:15	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:08	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.76	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301304	005-49A3-S-0529-02	Solid	05/29/2002 11:25	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:13	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.60	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301305	005-49A4-S-0529-02	Solid	05/29/2002 11:30	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:18	JAC	134125

CAS #	PARAMETER	RESULT		PQL	MDL	UNITS
7439-92-1	Lead	10.7	*	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301306	005-49A5-S-0529-02	Solid	05/29/2002 11:35	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:23	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	3.06	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301307	005-49A11-S-0529-02	Solid	05/29/2002 11:40	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:28	JAC	134125

CAS #	PARAMETER	RESULT		PQL	MDL	UNITS
7439-92-1	Lead	5.73	*	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301308	005-49A11A-S-0529-02	Solid	05/29/2002 23:50	05/30/2002 09:00	06/07/2002 15:49

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:33	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	0.60	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301309	005-49A11B-S-0529-02	Solid	05/29/2002 12:10	05/30/2002 09:00	06/07/2002 15:50

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 17:37	JAC	134125

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-92-1	Lead	3.04	0.10	0.0024	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 6010 TCLP Metals

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133954	SW-846 1311/6010B	1	06/03/2002 16:13	JAC	134125

CAS #	PARAMETER	RESULT		PQL	MDL	UNITS
7440-38-2	Arsenic	ND		0.20	0.0035	mg/L
7440-39-3	Barium	0.44B		1.00	0.00060	mg/L
7440-43-9	Cadmium	0.00040B		0.010	0.00020	mg/L
7440-47-3	Chromium	0.0014B		0.050	0.00050	mg/L
7439-92-1	**Lead**	**6.48**	*	**0.10**	**0.0024**	**mg/L**
7782-49-2	Selenium	0.031B		0.10	0.0043	mg/L
7440-22-4	Silver	ND		0.050	0.00040	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

SW-846 TCLP Mercury

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/03/2002 10:50	133955	SW-846 1311/7470A	1	06/03/2002 14:31	JAC	134030

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
7439-97-6	Mercury	ND	0.00020	0.00008	mg/L

RESULTS REPORTED ON A WET WEIGHT BASIS

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-50-4
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 06/03/02 Time: 1519

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Antimony	1.00	0.93	93	mg/L	SW-846 1311/6010B	P
Arsenic	1.00	1.05	105	mg/L	SW-846 1311/6010B	P
Beryllium	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Calcium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Chromium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Cobalt	1.00	1.04	104	mg/L	SW-846 1311/6010B	P
Copper	1.00	0.99	99	mg/L	SW-846 1311/6010B	P
Iron	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Lead	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Magnesium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Manganese	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Molybdenum	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Nickel	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Selenium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Thallium	1.00	1.06	106	mg/L	SW-846 1311/6010B	P
Titanium	1.00	0.99	99	mg/L	SW-846 1311/6010B	P
Vanadium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Zinc	1.00	1.01	101	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-40-1
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 06/03/02 Time: 1525

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.65	97	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.02	102	mg/L	SW-846 1311/6010B	P
Boron	5.00	4.53	91	mg/L	SW-846 1311/6010B	P
Zirconium	1.00	0.85	85	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 06/03/02 Time: 1547

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.91	98	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.52	103	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.01	100	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.07	101	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.97	99	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.53	105	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.49	98	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 06/03/02 Time: 1653

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.86	97	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.52	103	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.98	100	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.99	100	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.91	98	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.51	102	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.51	102	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.49	98	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 06/03/02 Time: 1758

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.95	99	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.52	103	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.02	100	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.01	100	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.51	102	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.50	100	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.50	100	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202053013

Calibration Source: 1-1-1 Instrument ID: ICP2 ICAL ID: 2

Date Analyzed: 06/03/02 Time: 1849

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.86	97	mg/L	SW-846 1311/6010B	P
Arsenic	0.50	0.51	102	mg/L	SW-846 1311/6010B	P
Barium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Beryllium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Cadmium	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Calcium	5.00	4.98	100	mg/L	SW-846 1311/6010B	P
Chromium	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Cobalt	0.50	0.49	99	mg/L	SW-846 1311/6010B	P
Copper	0.50	0.49	97	mg/L	SW-846 1311/6010B	P
Iron	5.00	4.99	100	mg/L	SW-846 1311/6010B	P
Lead	0.50	0.49	98	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	4.91	98	mg/L	SW-846 1311/6010B	P
Manganese	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Nickel	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Selenium	0.50	0.50	101	mg/L	SW-846 1311/6010B	P
Silver	0.50	0.48	97	mg/L	SW-846 1311/6010B	P
Thallium	0.50	0.52	103	mg/L	SW-846 1311/6010B	P
Vanadium	0.50	0.50	99	mg/L	SW-846 1311/6010B	P
Zinc	0.50	0.49	98	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202053013

Calibration Source: 100-50-6 Solutions Plus

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/03/02 Time: 1254

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00490	98	mg/L	SW-846 1311/7470A	AV

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/03/02 Time: 1257

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00520	104	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202053013

Calibration Source: 100-50-5 SPEX

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/03/02 Time: 1318

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00520	104	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/03/02 Time: 1339

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00519	104	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/03/02 Time: 1344

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00512	102	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Calibration Source: 100-50-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/03/02 Time: 1444

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00457	91	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 202053013

Calibration Source: 100-50-5 SPEX

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 06/03/02 Time: 1455

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00475	95	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: ICB
ICAL ID: 2
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1512

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.0018	B	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.00030	B	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.0028	B	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.00055	B	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1558

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.0039	B	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.00040	B	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0013	B	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.0048	B	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: 42592
ICAL ID: 2
Lab Sample DESC: MB FOR HBN 133954
Preparation Blank Matrix: (soil / water) Water
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1602

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.20	U	mg/L	0.0035	0.20	SW-846 1311/6010B	P
Barium	1.00	U	mg/L	0.00060	1.00	SW-846 1311/6010B	P
Cadmium	0.0013	B	mg/L	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0013	B	mg/L	0.00050	0.050	SW-846 1311/6010B	P
Lead	0.0073	B	mg/L	0.0024	0.10	SW-846 1311/6010B	P
Selenium	0.015	B	mg/L	0.0043	0.10	SW-846 1311/6010B	P
Silver	0.050	U	mg/L	0.00040	0.050	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1703

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.0023	B	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1808

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.0097	B	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 06/03/02 Time: 1859

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 1311/6010B	P
Barium	0.00039	B	mg/L	0.00030	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 1311/6010B	P
Selenium	0.012	B	mg/L	0.0050	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: ICB
ICAL ID: 1
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1255

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1259

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1320

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1340

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1346

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: 42597
ICAL ID: 1
Lab Sample DESC: MB FOR HBN 133955
Preparation Blank Matrix: (soil / water) Water
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1427

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1446

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202053013
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/03/02 Time: 1456

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00020	U	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

FORM III - IN

U.S. EPA - CLP

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202053013

ICP ID Number: ICP2 ICS Source: 1-1-1 ~100-21-3

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	227	222	111			
Antimony	0	1.00		0.98	98			
Arsenic	0	1.00		1.13	113			
Barium	0	0.50		0.55	110			
Beryllium	0	0.50		0.56	112			
Boron	0	1.00		1.23	123			
Cadmium	0	1.00		1.07	107			
Calcium	200	200	221	213	106			
Chromium	0	0.50		0.55	110			
Cobalt	0	0.50		0.53	106			
Copper	0	0.50		0.51	102			
Iron	80.0	80.0	86.3	84.3	105			
Lead	0	1.00		1.05	105			
Magnesium	200	200	234	228	114			
Manganese	0	0.50		0.54	108			
Molybdenum	0	1.00		1.10	110			
Nickel	0	1.00		1.04	104			
Selenium	0	1.00		1.06	106			
Silver	0	1.00		1.15	115			
Thallium	0	1.00		1.16	116			
Vanadium	0	0.50		0.57	114			
Zinc	0	1.00		1.05	105			

QUALITY CONTROL SUMMARY

LCS ID: 42598 | ORIGINAL LAB ID: | PREP BATCH: 133955
MATRIX Water | ANALYTICAL BATCH: 134030

SW-846 1311/7470A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7439-97-6	Mercury	0.005 mg/L	0.00476	95	80 - 120

MS LAB ID: 42599 | ORIGINAL LAB ID: 20205301310 | PREP BATCH: 133955
MATRIX Solid | ANALYTICAL BATCH: 134030

SW-846 1311/7470A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7439-97-6	Mercury	0	0.005 mg/L	0.0048	96	75 - 125

DUPLICATE SAMPLE ID: 42600 | ORIGINAL LAB ID: 20205301310 | PREP BATCH: 133955
MATRIX Solid | ANALYTICAL BATCH: 134030

SW-846 1311/7470A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
7439-97-6	Mercury	0	0	0	0 - 20

MSD LAB ID: 42601 | ORIGINAL LAB ID: 20205301310 | PREP BATCH: 133955
MATRIX Solid | ANALYTICAL BATCH: 134030

SW-846 1311/7470A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
7439-97-6	Mercury	0.005 mg/L	0.00494	99	75 - 125	3	0 - 20

LCS ID: 42593 | ORIGINAL LAB ID: | PREP BATCH: 133954
MATRIX Water | ANALYTICAL BATCH: 134125

SW-846 1311/6010B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7440-38-2	Arsenic	1 mg/L	1.12	112	80 - 120
7440-39-3	Barium	1 mg/L	0.99	99	80 - 120
7440-43-9	Cadmium	1 mg/L	0.99	99	80 - 120
7440-47-3	Chromium	1 mg/L	0.99	99	80 - 120
7439-92-1	Lead	1 mg/L	0.97	97	80 - 120
7782-49-2	Selenium	1 mg/L	1.14	114	80 - 120
7440-22-4	Silver	1 mg/L	1.03	103	80 - 120

DUPLICATE SAMPLE ID: 42594 | ORIGINAL LAB ID: 20205301310 | PREP BATCH: 133954
MATRIX Solid | ANALYTICAL BATCH: 134125

SW-846 1311/6010B

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
7440-38-2	Arsenic	0	0	0	0 - 20
7440-39-3	Barium	0.44	0.44	0	0 - 20
7440-43-9	Cadmium	0.0004	0.0002	67 *	0 - 20

QUALITY CONTROL SUMMARY

7440-47-3	Chromium	0.0014	0.0011	24 *	0 - 20
7439-92-1	Lead	6.48	6.46	0.3	0 - 20
7782-49-2	Selenium	0.031	0.022	34 *	0 - 20
7440-22-4	Silver	0	0	0	0 - 20

MS LAB ID: 42595 ORIGINAL LAB ID: 20205301310 PREP BATCH: 133954
MATRIX Solid ANALYTICAL BATCH: 134125

SW-846 1311/6010B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
7440-38-2	Arsenic	0	1 mg/L	1.13	113	75 - 125
7440-39-3	Barium	0.44	1 mg/L	1.45	100	75 - 125
7440-43-9	Cadmium	0.0004	1 mg/L	0.99	99	75 - 125
7440-47-3	Chromium	0.0014	1 mg/L	1	100	75 - 125
7439-92-1	Lead	6.48	1 mg/L	7.59	111	75 - 125
7782-49-2	Selenium	0.031	1 mg/L	1.14	111	75 - 125
7440-22-4	Silver	0	1 mg/L	1.05	105	75 - 125

MSD LAB ID: 42596 ORIGINAL LAB ID: 20205301310 PREP BATCH: 133954
MATRIX Solid ANALYTICAL BATCH: 134125

SW-846 1311/6010B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
7440-38-2	Arsenic	1 mg/L	1.12	112	75 - 125	0.9	0 - 20
7440-39-3	Barium	1 mg/L	1.43	98	75 - 125	2	0 - 20
7440-43-9	Cadmium	1 mg/L	0.98	98	75 - 125	1	0 - 20
7440-47-3	Chromium	1 mg/L	0.98	98	75 - 125	2	0 - 20
7439-92-1	Lead	1 mg/L	7.53	105	75 - 125	6	0 - 20
7782-49-2	Selenium	1 mg/L	1.14	111	75 - 125	0	0 - 20
7440-22-4	Silver	1 mg/L	1.04	104	75 - 125	1	0 - 20

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

9045C Solid - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/03/2002 07:00	OLT	134044

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	8.80	2.00		pH unit

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

9012A Reactivity Cyanide

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134126	7.3.3.2	1	06/04/2002 14:48	BMC	134454

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
57-12-5R	Reactivity Cyanide	ND	250	125	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

Reactivity Sulfide - 9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134127	7.3.4.2	1	06/04/2002 13:00	HLO	135323

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
18496-25-8R	Reactivity Sulfide	ND	80	80	mg/kg

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20205301310	005-49SA-S-0529-02	Solid	05/29/2002 12:20	05/30/2002 09:00	06/07/2002 15:50

1030 Flashpoint

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/05/2002 10:00	HLO	136225

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
000000-01-7	Ignitable	NO			

RESULTS REPORTED ON A WET WEIGHT BASIS

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42715	Method Blank	Solid	06/04/2002 18:19

9012A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134126	7.3.3.2	1	06/04/2002 14:48	BMC	134454

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
57-12-5R	Reactivity Cyanide	ND	250	0.020	mg/kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
42718	Method Blank	Solid	06/05/2002 12:22

9034

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/04/2002 07:00	134127	7.3.4.2	1	06/04/2002 13:00	HLO	135323

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
18496-25-	Reactivity Sulfide	ND	80	0.020	mg/kg

QUALITY CONTROL SUMMARY

DUPLICATE SAMPLE ID: 42690	ORIGINAL LAB ID: 20205301310	PREP BATCH:
	MATRIX Solid	ANALYTICAL BATCH: 134044

SW-846 9045

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	8.8	8.83	0.34	- 6

LCS ID: 42716	ORIGINAL LAB ID:	PREP BATCH: 134126
	MATRIX Solid	ANALYTICAL BATCH: 134454

9012A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
57-12-5R	Reactivity Cyanide	250 mg/kg	33	13.2	1 - 25

DUPLICATE SAMPLE ID: 42717	ORIGINAL LAB ID: 20205292213	PREP BATCH: 134126
	MATRIX Solid	ANALYTICAL BATCH: 134454

9012A

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
57-12-5R	Reactivity Cyanide	0	0	0	0 - 25

LCS ID: 42719	ORIGINAL LAB ID:	PREP BATCH: 134127
	MATRIX Solid	ANALYTICAL BATCH: 135323

9034

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
18496-25-8R	Reactivity Sulfide	1000 mg/kg	777	77.7	47 - 106

DUPLICATE SAMPLE ID: 42720	ORIGINAL LAB ID: 20205292213	PREP BATCH: 134127
	MATRIX Solid	ANALYTICAL BATCH: 135323

9034

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
18496-25-8R	Reactivity Sulfide	0	0	0	0 - 25

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CH2M Hill 148807 / 208053013 / 15UL 6176182

CHAIN-OF-CUSTODY RECORD

COC NUMBER
148799-52

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
NAS Cecil Field	148799	Gulf Coast Labs	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
WC - Site 49-Skeet Range	CTO 005	4155	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Paul Malewicki	PH (904)777-4812 FAX (904) 777-4262	Phone: 740-373-4071 Fax: 740-373-4835	Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.263 FAX:604-9282

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	8260B TCLP Volitiles	8270C TCLP SemiVols	8081A TCLP Pest.	8151A TCLP Herb.	6010B/7471 TCLP Metals	TCLP LEAD	Ignitability1030	Corrosivity9045A	ReactivityChap 7.3		SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS 208053013	LAB ID
1	005-49A1-S-0529-02	Waste Characterization	S	05/29/02	10:40	III/B	7		x				x					Composite		1
2	005-49A2-S-0529-02	Waste Characterization	S	05/29/02	11:00	III/B	7		x				x					Composite		2
3	005-49A21-S-0529-02	Waste Characterization	S	05/29/02	11:15	III/B	7		x				x					Composite		3
4	005-49A3-S-0529-02	Waste Characterization	S	05/29/02	11:25	III/B	7		x				x					Composite		4
5	005-49A4-S-0529-02	Waste Characterization	S	05/29/02	11:30	III/B	7		x				x					Composite		5
6	005-49A5-S-0529-02	Waste Characterization	S	05/29/02	11:35	III/B	7		x				x					Composite		6
7	005-49A11-S-0529-02	Waste Characterization	S	05/29/02	11:40	III/B	7		x				x					Composite		7
8	005-49A11A-S-0529-02	Waste Characterization	S	05/29/02	23:50	III/B	7		x				x					Composite	8	
9	005-49A11B-S-0529-02	Waste Characterization	S	05/29/02	12:10	III/B	7		x				x					Composite	9	
10	005-49SA-S-0529-02	Waste Characterization	S	05/29/02	12:20	III/B	7	x	x	x	x	x		x	x	x		Composite	10	
11	Trip Blank	TRIP BLANK	W																11	

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Paul Malewicki / Dave Keul JAJES		5°C 30 od

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Paul Malewicki JAJES Paul Malewicki	5/28/02	15:00	Printed Name and Signature:		
Printed Name and Signature: FedEx #833151589722	5/30/02	0900	Printed Name and Signature: Ann Kincher Ann M. Kincher	5/30/02	0900

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 02/00

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	202053013	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	NAS Cecil Field	**Status:**	WP
Project Seq:	6083	**Created:**	5/30/02 11:08
Client:	4380 - CH2M HILL Constructors Inc.	**QA:**	
Profile:	29790 - CTO 0005 - NAS Cecil Field	**PO:**	4139

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20205301301-1	8	NONE			X			X	OK
20205301302-1	8	NONE			X			X	OK
20205301303-1	8	NONE			X			X	OK
20205301304-1	8	NONE			X			X	OK
20205301305-1	8	NONE			X			X	OK
20205301306-1	8	NONE			X			X	OK
20205301307-1	8	NONE			X			X	OK
20205301308-1	8	NONE			X			X	OK
20205301309-1	8	NONE			X			X	OK
20205301310-1	LC	NONE			X			X	OK
20205301311-1	40	HCL+SS			✓	✓			OK

pH PRESERVATIVE VOA HEADSPACE

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 4MM

Custody Seal

used [ ] Yes [✓] No

in tact [ ] Yes [✓] No

CUSTODIAN AWK

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 11/26/2003

GCAL Report 203111918

Deliver To	CH2M HILL Constructors Inc. 115 Perimeter Center Place Suite 700 Atlanta, GA 30346 770-604-9182 Ext. 614
Attn	Melissa Aycock

Customer CH2M HILL Constructors Inc.

Project NAS Cecil Field

000001

CASE NARRATIVE

Client: CH2M HILL Constructors Inc.

Report: 203111918

Gulf Coast Analytical Laboratories received and analyzed the samples(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below:

VOLATILES MASS SPECTROMETRY

In analytical batch 265889, the MS/MSD exhibited sporadic recovery failures. These recoveries were within limits in the LCS. This is attributed to a matrix interference.

In the SW-846 8260B calibration on MSV5 on 11/20/03 and MSV1 on 11/23/03, there were sporadic marginal failures in the ICV.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the 8151 analysis, for prep batch 265768, no MS/MSD was performed due to insufficient sample volume. An LCS/LCSD was extracted and is included in the Quality Control Summary.

METALS

The MS/MSD recoveries and RPD are not applicable for Lead for prep batch 265756 because the sample concentration is greater than four times the spike concentration.

The Sample/Duplicate RPD for Mercury for prep batch 265757 and for Chromium and Selenium for prep batch 265756 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reporduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

SCOTT A. BAILEY
OPERATIONS MANAGER
GCAL REPORT ~~203111~~918

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20311191801	05-4911B111803	Solid	11/18/2003 08:30	11/19/2003 10:15
20311191802	05-49-11C111803	Solid	11/18/2003 08:30	11/19/2003 10:15
20311191803	05-49TB111803	Water	11/18/2003 00:00	11/19/2003 10:15

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20311191801	05-4911B111803	Solid	11/18/2003 08:30	11/19/2003 10:15

9045C Solid - pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/20/2003 09:30	OLT	265742

CAS#	Parameter	Result	RDL	MDL	Units
pH	pH	5.44	1.00	1.00	pH unit

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20311191801	05-4911B111803	Solid	11/18/2003 08:30	11/19/2003 10:15

1030 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/20/2003 14:50	MDT	265805

CAS#	Parameter	Result	RDL	MDL	Units
000000-01-7	Ignitable	NO			

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20311191802	05-49-11C111803	Solid	11/18/2003 08:30	11/19/2003 10:15

9045C Solid - pH

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/20/2003 09:30	OLT	265742

CAS#	Parameter	Result	RDL	MDL	Units
pH	pH	5.78	1.00	1.00	pH unit

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20311191802	05-49-11C111803	Solid	11/18/2003 08:30	11/19/2003 10:15

1030 Flashpoint

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	11/20/2003 15:00	MDT	265805

CAS#	Parameter	Result	RDL	MDL	Units
000000-01-7	Ignitable	NO			

RESULTS REPORTED ON A DRY WEIGHT BASIS

General Chemistry Quality Control Summary

Analytical Batch 265742	**Client ID**	05-4911B111803	131251DUP
Prep Batch N/A	**GCAL ID**	20311191801	131559
	Sample Type	SAMPLE	DUP
	Analytical Date	11/20/2003 09:30	11/20/2003 09:30
	Matrix	Solid	Solid

9045C Solid - pH		**Units**	pH unit	**Result**	**RPD**	**RPD Limit**
		Result	**RDL**			
pH	pH	5.44	1.00	5.47	0.5	6

600009

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-4911B111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20311191801

Level: (low/med) LOW

Lab File ID: 2031121/D1010

% Moisture: not dec. 12

Date Collected: 11/18/03 Time: 0830

GC Column: DB-624-30M ID: .53 (mm

Date Received: 11/19/03

Instrument ID: MSV5

Date Analyzed: 11/21/03 Time: 1954

Soil Extract Volume: (µL

Dilution Factor: 40 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265755

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	*COMPOUND*	*RESULT*		*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.200	U	0.019	0.200
107-06-2	1,2-Dichloroethane	0.200	U	0.017	0.200
78-93-3	2-Butanone	1.00	U	0.022	1.00
71-43-2	Benzene	0.200	U	0.017	0.200
56-23-5	Carbon tetrachloride	0.200	U	0.014	0.200
108-90-7	Chlorobenzene	0.200	U	0.018	0.200
67-66-3	Chloroform	0.200	U	0.018	0.200
127-18-4	Tetrachloroethene	0.200	U	0.016	0.200
79-01-6	Trichloroethene	0.200	U	0.017	0.200
75-01-4	Vinyl chloride	0.200	U	0.020	0.200

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49-11C111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20311191802

Level: (low/med) LOW

Lab File ID: 2031121/D1011

% Moisture: not dec. 37

Date Collected: 11/18/03 Time: 0830

GC Column: DB-624-30M ID: .53 (mm

Date Received: 11/19/03

Instrument ID: MSV5

Date Analyzed: 11/21/03 Time: 2017

Soil Extract Volume: (µL

Dilution Factor: 40 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265755

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT		MDL	RL
75-35-4	1,1-Dichloroethene	0.200	U	0.019	0.200
107-06-2	1,2-Dichloroethane	0.200	U	0.017	0.200
78-93-3	2-Butanone	1.00	U	0.022	1.00
71-43-2	Benzene	0.200	U	0.017	0.200
56-23-5	Carbon tetrachloride	0.200	U	0.014	0.200
108-90-7	Chlorobenzene	0.200	U	0.018	0.200
67-66-3	Chloroform	0.200	U	0.018	0.200
127-18-4	Tetrachloroethene	0.200	U	0.016	0.200
79-01-6	Trichloroethene	0.200	U	0.017	0.200
75-01-4	Vinyl chloride	0.200	U	0.020	0.200

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49TB111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20311191803

Level: (low/med) LOW

Lab File ID: 2031123/S5302

% Moisture: not dec.

Date Collected: 11/18/03 Time: 0000

GC Column: DB-624-30M ID: .53 (mm

Date Received: 11/19/03

Instrument ID: MSV1

Date Analyzed: 11/23/03 Time: 1752

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT		MDL	RL
71-55-6	1,1,1-Trichloroethane	5.00	U	0.848	5.00
79-34-5	1,1,2,2-Tetrachloroethane	0.200	U	0.200	0.200
79-00-5	1,1,2-Trichloroethane	5.00	U	0.851	5.00
75-34-3	1,1-Dichloroethane	5.00	U	0.822	5.00
75-35-4	1,1-Dichloroethene	5.00	U	0.896	5.00
120-82-1	1,2,4-Trichlorobenzene	0.520	J	0.367	5.00
96-12-8	1,2-Dibromo-3-chloropropane	0.200	U	0.200	0.200
106-93-4	1,2-Dibromoethane	0.200	U	0.200	0.200
95-50-1	1,2-Dichlorobenzene	5.00	U	0.531	5.00
107-06-2	1,2-Dichloroethane	3.00	U	0.821	3.00
78-87-5	1,2-Dichloropropane	5.00	U	0.734	5.00
541-73-1	1,3-Dichlorobenzene	5.00	U	0.686	5.00
106-46-7	1,4-Dichlorobenzene	5.00	U	0.471	5.00
78-93-3	2-Butanone	10.0	U	0.817	10.0
591-78-6	2-Hexanone	10.0	U	0.833	10.0
108-10-1	4-Methyl-2-pentanone	10.0	U	0.820	10.0
67-64-1	Acetone	10.0	U	0.932	10.0
71-43-2	Benzene	1.00	U	0.836	1.00
75-27-4	Bromodichloromethane	0.600	U	0.600	0.600
75-25-2	Bromoform	4.00	U	0.742	4.00
74-83-9	Bromomethane	5.00	U	0.962	5.00
75-15-0	Carbon disulfide	5.00	U	0.764	5.00
56-23-5	Carbon tetrachloride	3.00	U	0.848	3.00
108-90-7	Chlorobenzene	5.00	U	0.713	5.00
75-00-3	Chloroethane	5.00	U	0.820	5.00
67-66-3	Chloroform	5.00	U	0.919	5.00
74-87-3	Chloromethane	2.70	U	0.823	2.70
110-82-7	Cyclohexane	5.00	U	1.00	5.00
124-48-1	Dibromochloromethane	0.400	U	0.400	0.400
75-71-8	Dichlorodifluoromethane	5.00	U	0.802	5.00
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.757	5.00
10061-02-6	trans-1,3-Dichloropropene	5.00	U	0.633	5.00
100-41-4	Ethylbenzene	5.00	U	0.690	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49TB111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 20311191803

Level: (low/med) LOW

Lab File ID: 2031123/S5302

% Moisture: not dec.

Date Collected: 11/18/03 Time: 0000

GC Column: DB-624-30M ID: .53 (mm

Date Received: 11/19/03

Instrument ID: MSV1

Date Analyzed: 11/23/03 Time: 1752

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: HJL

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L

Analytical Method: SW-846 8260

CAS NO.	*COMPOUND*	*RESULT*		*MDL*	*RL*
98-82-8	Isopropylbenzene (Cumene)	5.00	U	0.558	5.00
79-20-9	Methyl Acetate	5.00	U	1.00	5.00
108-87-2	Methylcyclohexane	5.00	U	1.00	5.00
75-09-2	Methylene chloride	5.00	U	0.748	5.00
100-42-5	Styrene	5.00	U	0.699	5.00
127-18-4	Tetrachloroethene	3.00	U	0.692	3.00
108-88-3	Toluene	5.00	U	0.678	5.00
79-01-6	Trichloroethene	3.00	U	0.989	3.00
75-69-4	Trichlorofluoromethane	5.00	U	0.926	5.00
76-13-1	Trichlorotrifluoroethane	5.00	U	0.480	5.00
75-01-4	Vinyl chloride	1.00	U	1.00	1.00
1330-20-7	Xylene (total)	5.00	U	2.24	5.00
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.751	5.00
1634-04-4	tert-Butyl methyl ether (MTBE)	5.00	U	0.531	5.00
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.735	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB131589

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 131589

Level: (low/med) LOW

Lab File ID: 2031121/D0994

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm

Date Received:

Instrument ID: MSV5

Date Analyzed: 11/21/03 Time: 1303

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265755

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	COMPOUND	RESULT		MDL	RL
75-35-4	1,1-Dichloroethene	0.005	U	0.00047	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.00043	0.005
78-93-3	2-Butanone	0.025	U	0.00055	0.025
71-43-2	Benzene	0.005	U	0.00042	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.00035	0.005
108-90-7	Chlorobenzene	0.005	U	0.00046	0.005
67-66-3	Chloroform	0.00058	J	0.00046	0.005
127-18-4	Tetrachloroethene	0.005	U	0.00041	0.005
79-01-6	Trichloroethene	0.005	U	0.00042	0.005
75-01-4	Vinyl chloride	0.005	U	0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB132080

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 132080

Level: (low/med) LOW Lab File ID: 2031123/S5300

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm Date Received:

Instrument ID: MSV1 Date Analyzed: 11/23/03 Time: 1705

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT		MDL	RL
71-55-6	1,1,1-Trichloroethane	5.00	U	0.848	5.00
79-34-5	1,1,2,2-Tetrachloroethane	0.200	U	0.200	0.200
79-00-5	1,1,2-Trichloroethane	5.00	U	0.851	5.00
75-34-3	1,1-Dichloroethane	5.00	U	0.822	5.00
75-35-4	1,1-Dichloroethene	5.00	U	0.896	5.00
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.367	5.00
96-12-8	1,2-Dibromo-3-chloropropane	0.200	U	0.200	0.200
106-93-4	1,2-Dibromoethane	0.200	U	0.200	0.200
95-50-1	1,2-Dichlorobenzene	5.00	U	0.531	5.00
107-06-2	1,2-Dichloroethane	3.00	U	0.821	3.00
78-87-5	1,2-Dichloropropane	5.00	U	0.734	5.00
541-73-1	1,3-Dichlorobenzene	5.00	U	0.686	5.00
106-46-7	1,4-Dichlorobenzene	5.00	U	0.471	5.00
78-93-3	2-Butanone	10.0	U	0.817	10.0
591-78-6	2-Hexanone	10.0	U	0.833	10.0
108-10-1	4-Methyl-2-pentanone	10.0	U	0.820	10.0
67-64-1	Acetone	10.0	U	0.932	10.0
71-43-2	Benzene	1.00	U	0.836	1.00
75-27-4	Bromodichloromethane	0.600	U	0.600	0.600
75-25-2	Bromoform	4.00	U	0.742	4.00
74-83-9	Bromomethane	5.00	U	0.962	5.00
75-15-0	Carbon disulfide	5.00	U	0.764	5.00
56-23-5	Carbon tetrachloride	3.00	U	0.848	3.00
108-90-7	Chlorobenzene	5.00	U	0.713	5.00
75-00-3	Chloroethane	5.00	U	0.820	5.00
67-66-3	Chloroform	5.00	U	0.919	5.00
74-87-3	Chloromethane	2.70	U	0.823	2.70
110-82-7	Cyclohexane	5.00	U	1.00	5.00
124-48-1	Dibromochloromethane	0.400	U	0.400	0.400
75-71-8	Dichlorodifluoromethane	5.00	U	0.802	5.00
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.757	5.00
10061-02-6	trans-1,3-Dichloropropene	5.00	U	0.633	5.00
100-41-4	Ethylbenzene	5.00	U	0.690	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB132080

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 132080

Level: (low/med) LOW

Lab File ID: 2031123/S5300

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm

Date Received:

Instrument ID: MSV1

Date Analyzed: 11/23/03 Time: 1705

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT		MDL	RL
98-82-8	Isopropylbenzene (Cumene)	5.00	U	0.558	5.00
79-20-9	Methyl Acetate	5.00	U	1.00	5.00
108-87-2	Methylcyclohexane	5.00	U	1.00	5.00
75-09-2	Methylene chloride	5.00	U	0.748	5.00
100-42-5	Styrene	5.00	U	0.699	5.00
127-18-4	Tetrachloroethene	3.00	U	0.692	3.00
108-88-3	Toluene	5.00	U	0.678	5.00
79-01-6	Trichloroethene	3.00	U	0.989	3.00
75-69-4	Trichlorofluoromethane	5.00	U	0.926	5.00
76-13-1	Trichlorotrifluoroethane	5.00	U	0.480	5.00
75-01-4	Vinyl chloride	1.00	U	1.00	1.00
1330-20-7	Xylene (total)	5.00	U	2.24	5.00
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.751	5.00
1634-04-4	tert-Butyl methyl ether (MTBE)	5.00	U	0.531	5.00
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.735	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS131588

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 131588

Level: (low/med) LOW

Lab File ID: 2031121/D0992

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm

Date Received:

Instrument ID: MSV5

Date Analyzed: 11/21/03 Time: 1215

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265755

CONCENTRATION UNITS: mg/L

Analytical Method: 1311/8260B

CAS NO.	*COMPOUND*	*RESULT*		*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.022		0.00047	0.005
107-06-2	1,2-Dichloroethane	0.024		0.00043	0.005
78-93-3	2-Butanone	0.027		0.00055	0.025
71-43-2	Benzene	0.019		0.00042	0.005
56-23-5	Carbon tetrachloride	0.022		0.00035	0.005
108-90-7	Chlorobenzene	0.023		0.00046	0.005
67-66-3	Chloroform	0.022		0.00046	0.005
127-18-4	Tetrachloroethene	0.022		0.00041	0.005
79-01-6	Trichloroethene	0.022		0.00042	0.005
75-01-4	Vinyl chloride	0.020		0.00051	0.005

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS132079

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 132079

Level: (low/med) LOW Lab File ID: 2031123/S5297

% Moisture: not dec. Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm Date Received:

Instrument ID: MSV1 Date Analyzed: 11/23/03 Time: 1555

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L Analytical Method: SW-846 8260

CAS NO.	*COMPOUND*	*RESULT*		*MDL*	*RL*
71-55-6	1,1,1-Trichloroethane	23.3		0.848	5.00
79-34-5	1,1,2,2-Tetrachloroethane	23.9		0.200	0.200
79-00-5	1,1,2-Trichloroethane	24.4		0.851	5.00
75-34-3	1,1-Dichloroethane	23.2		0.822	5.00
75-35-4	1,1-Dichloroethene	23.5		0.896	5.00
120-82-1	1,2,4-Trichlorobenzene	25.4		0.367	5.00
96-12-8	1,2-Dibromo-3-chloropropane	23.1		0.200	0.200
106-93-4	1,2-Dibromoethane	23.6		0.200	0.200
95-50-1	1,2-Dichlorobenzene	24.1		0.531	5.00
107-06-2	1,2-Dichloroethane	23.0		0.821	3.00
78-87-5	1,2-Dichloropropane	23.8		0.734	5.00
541-73-1	1,3-Dichlorobenzene	25.6		0.686	5.00
106-46-7	1,4-Dichlorobenzene	23.9		0.471	5.00
78-93-3	2-Butanone	23.3		0.817	10.0
591-78-6	2-Hexanone	24.5		0.833	10.0
108-10-1	4-Methyl-2-pentanone	23.1		0.820	10.0
67-64-1	Acetone	23.3		0.932	10.0
71-43-2	Benzene	23.2		0.836	1.00
75-27-4	Bromodichloromethane	23.8		0.600	0.600
75-25-2	Bromoform	24.2		0.742	4.00
74-83-9	Bromomethane	23.6		0.962	5.00
75-15-0	Carbon disulfide	23.2		0.764	5.00
56-23-5	Carbon tetrachloride	24.4		0.848	3.00
108-90-7	Chlorobenzene	25.0		0.713	5.00
75-00-3	Chloroethane	24.6		0.820	5.00
67-66-3	Chloroform	24.0		0.919	5.00
74-87-3	Chloromethane	23.3		0.823	2.70
110-82-7	Cyclohexane	23.7		1.00	5.00
124-48-1	Dibromochloromethane	24.2		0.400	0.400
75-71-8	Dichlorodifluoromethane	22.7		0.802	5.00
10061-01-5	cis-1,3-Dichloropropene	23.8		0.757	5.00
10061-02-6	trans-1,3-Dichloropropene	24.9		0.633	5.00
100-41-4	Ethylbenzene	26.5		0.690	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS132079

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Lab Sample ID: 132079

Level: (low/med) LOW

Lab File ID: 2031123/S5297

% Moisture: not dec.

Date Collected: Time:

GC Column: DB-624-30M ID: .53 (mm

Date Received:

Instrument ID: MSV1

Date Analyzed: 11/23/03 Time: 1555

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RSP

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 265889

CONCENTRATION UNITS: ug/L

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT		MDL	RL
98-82-8	Isopropylbenzene (Cumene)	23.7		0.558	5.00
79-20-9	Methyl Acetate	19.8		1.00	5.00
108-87-2	Methylcyclohexane	23.2		1.00	5.00
75-09-2	Methylene chloride	24.5		0.748	5.00
100-42-5	Styrene	25.3		0.699	5.00
127-18-4	Tetrachloroethene	25.4		0.692	3.00
108-88-3	Toluene	24.8		0.678	5.00
79-01-6	Trichloroethene	23.0		0.989	3.00
75-69-4	Trichlorofluoromethane	23.0		0.926	5.00
76-13-1	Trichlorotrifluoroethane	23.7		0.480	5.00
75-01-4	Vinyl chloride	25.0		1.00	1.00
1330-20-7	Xylene (total)	76.0		2.24	5.00
156-59-2	cis-1,2-Dichloroethene	23.7		0.751	5.00
1634-04-4	tert-Butyl methyl ether (MTBE)	23.4		0.531	5.00
156-60-5	trans-1,2-Dichloroethene	23.6		0.735	5.00

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1 .	LCS131588	105		107		108		107		0
2 .	MB131589	99		108		107		110		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 115
SMC 2	Dibromofluoromethane	70 - 130
SMC 3	Toluene-d8	83 - 112
SMC 4	1,2-Dichloroethane-d4	76 - 128

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Method: 1311/8260B

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1 .	05-4911B111803	100		109		106		116		0
2 .	05-49-11C111803	100		109		107		117		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 115
SMC 2	Dibromofluoromethane	70 - 130
SMC 3	Toluene-d8	83 - 112
SMC 4	1,2-Dichloroethane-d4	76 - 128

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1 .	05-49TB111803	92		92		102		92		0
2 .	LCS132079	90		90		97		92		0
3 .	MB132080	92		89		101		94		0

		QC LIMITS
SMC 1	4-Bromofluorobenzene	78 - 115
SMC 2	Dibromofluoromethane	70 - 130
SMC 3	Toluene-d8	83 - 112
SMC 4	1,2-Dichloroethane-d4	76 - 128

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Analytical Batch: 265755

SAMPLE NO. : *131588*

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1-Dichloroethene	mg/L	.025	0	.022	89		67 - 140
1,2-Dichloroethane	mg/L	.025	0	.024	95		79 - 134
2-Butanone	mg/L	.025	0	.027	109		59 - 157
Benzene	mg/L	.025	0	.019	76		74 - 128
Carbon tetrachloride	mg/L	.025	0	.022	88		70 - 140
Chlorobenzene	mg/L	.025	0	.023	91		78 - 125
Chloroform	mg/L	.025	0	.022	90		80 - 124
Tetrachloroethene	mg/L	.025	0	.022	87		75 - 140
Trichloroethene	mg/L	.025	0	.022	88		63 - 118
Vinyl chloride	mg/L	.025	0	.02	81		68 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 10 outside limits

FORM III VOA-1

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix Spike - EPA Sample No: MW-A

Analytical Batch: 265755

SAMPLE NO. : 131921

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	#	QC. LIMITS
1,1-Dichloroethene	mg/L	.025	0	.025	101		61 - 145
1,2-Dichloroethane	mg/L	.025	0	.026	102		79 - 134
2-Butanone	mg/L	.025	0	.029	115		60 - 140
Benzene	mg/L	.025	0	.021	86		76 - 127
Carbon tetrachloride	mg/L	.025	0	.025	101		70 - 140
Chlorobenzene	mg/L	.025	0	.025	100		75 - 130
Chloroform	mg/L	.025	0	.024	97		80 - 124
Tetrachloroethene	mg/L	.025	0	.025	100		75 - 140
Trichloroethene	mg/L	.025	0	.025	98		71 - 120
Vinyl chloride	mg/L	.025	0	.024	96		68 - 127

SAMPLE NO. : 131922

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1-Dichloroethene	mg/L	.025	.025	100		0		61 - 145	0 - 14
1,2-Dichloroethane	mg/L	.025	.025	100		4		79 - 134	0 - 30
2-Butanone	mg/L	.025	.025	98		15		60 - 140	0 - 30
Benzene	mg/L	.025	.021	84		0		76 - 127	0 - 11
Carbon tetrachloride	mg/L	.025	.025	101		0		70 - 140	0 - 30
Chlorobenzene	mg/L	.025	.025	99		0		75 - 130	0 - 13
Chloroform	mg/L	.025	.024	96		0		80 - 124	0 - 30
Tetrachloroethene	mg/L	.025	.025	98		0		75 - 140	0 - 30
Trichloroethene	mg/L	.025	.024	95		4		71 - 120	0 - 14
Vinyl chloride	mg/L	.025	.024	96		0		68 - 127	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 10 outside limits

Spike Recovery: 0 out of 20 outside limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Analytical Batch: 265889

SAMPLE NO. : 132079

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	#	QC. LIMITS
1,1,1-Trichloroethane	ug/L	25	0	23.3	93		75 - 124
1,1,2,2-Tetrachloroethane	ug/L	25	0	23.9	96		58 - 130
1,1,2-Trichloroethane	ug/L	25	0	24.4	98		78 - 112
1,1-Dichloroethane	ug/L	25	0	23.2	93		74 - 125
1,1-Dichloroethene	ug/L	25	0	23.5	94		72 - 138
1,2,4-Trichlorobenzene	ug/L	25	0	25.4	102		51 - 141
1,2-Dibromo-3-chloropropane	ug/L	25	0	23.1	92		56 - 128
1,2-Dibromoethane	ug/L	25	0	23.6	94		77 - 113
1,2-Dichlorobenzene	ug/L	25	0	24.1	96		78 - 113
1,2-Dichloroethane	ug/L	25	0	23	92		74 - 128
1,2-Dichloropropane	ug/L	25	0	23.8	95		77 - 121
1,3-Dichlorobenzene	ug/L	25	0	25.6	102		74 - 119
1,4-Dichlorobenzene	ug/L	25	0	23.9	96		79 - 114
2-Butanone	ug/L	25	0	23.3	93		62 - 129
2-Hexanone	ug/L	25	0	24.5	98		53 - 135
4-Methyl-2-pentanone	ug/L	25	0	23.1	92		58 - 131
Acetone	ug/L	25	0	23.3	93		38 - 145
Benzene	ug/L	25	0	23.2	93		77 - 119
Bromodichloromethane	ug/L	25	0	23.8	95		75 - 113
Bromoform	ug/L	25	0	24.2	97		64 - 127
Bromomethane	ug/L	25	0	23.6	94		56 - 156
Carbon disulfide	ug/L	25	0	23.2	93		67 - 130
Carbon tetrachloride	ug/L	25	0	24.4	98		71 - 129
Chlorobenzene	ug/L	25	0	25	100		78 - 116
Chloroethane	ug/L	25	0	24.6	98		56 - 145
Chloroform	ug/L	25	0	24	96		67 - 122
Chloromethane	ug/L	25	0	23.3	93		60 - 139
Cyclohexane	ug/L	25	0	23.7	95		69 - 126
Dibromochloromethane	ug/L	25	0	24.2	97		76 - 113
Dichlorodifluoromethane	ug/L	25	0	22.7	91		60 - 120
Ethylbenzene	ug/L	25	0	26.5	106		76 - 118
Isopropylbenzene (Cumene)	ug/L	25	0	23.7	95		74 - 119
Methyl Acetate	ug/L	25	0	19.8	79		14 - 226
Methylcyclohexane	ug/L	25	0	23.2	93		71 - 127
Methylene chloride	ug/L	25	0	24.5	98		59 - 143
Styrene	ug/L	25	0	25.3	101		78 - 118
Tetrachloroethene	ug/L	25	0	25.4	102		74 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 48 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Analytical Batch: 265889

Toluene	ug/L	25	0	24.8	99		78 - 114
Trichloroethene	ug/L	25	0	23	92		67 - 126
Trichlorofluoromethane	ug/L	25	0	23	92		53 - 144
Trichlorotrifluoroethane	ug/L	25	0	23.7	95		67 - 132
Vinyl chloride	ug/L	25	0	25	100		67 - 133
Xylene (total)	ug/L	75	0	76	101		77 - 119
cis-1,2-Dichloroethene	ug/L	25	0	23.7	95		76 - 123
cis-1,3-Dichloropropene	ug/L	25	0	23.8	95		74 - 121
tert-Butyl methyl ether (MTBE)	ug/L	25	0	23.4	94		61 - 135
trans-1,2-Dichloroethene	ug/L	25	0	23.6	94		72 - 130
trans-1,3-Dichloropropene	ug/L	25	0	24.9	100		77 - 114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 0 outside limits

Spike Recovery: 0 out of 48 outside limits

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix Spike - EPA Sample No: 041310BQ403

Analytical Batch: 265889

SAMPLE NO. : 20311191705

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	#	QC. LIMITS
1,1,1-Trichloroethane	ug/L	25	0	25.1	100		75 - 124
1,1,2,2-Tetrachloroethane	ug/L	25	0	26.7	107		58 - 130
1,1,2-Trichloroethane	ug/L	25	0	25.2	101		78 - 112
1,1-Dichloroethane	ug/L	25	0	24.9	100		74 - 125
1,1-Dichloroethene	ug/L	25	0	24.9	100		72 - 138
1,2,4-Trichlorobenzene	ug/L	25	0	23.5	94		51 - 141
1,2-Dibromo-3-chloropropane	ug/L	25	0	23.7	95		56 - 128
1,2-Dibromoethane	ug/L	25	0	24.4	98		77 - 113
1,2-Dichlorobenzene	ug/L	25	0	24	96		78 - 113
1,2-Dichloroethane	ug/L	25	0	26.3	105		74 - 128
1,2-Dichloropropane	ug/L	25	0	25.4	102		77 - 121
1,3-Dichlorobenzene	ug/L	25	0	22.8	91		74 - 119
1,4-Dichlorobenzene	ug/L	25	0	24.3	97		79 - 114
2-Butanone	ug/L	25	0	22.3	89		62 - 129
2-Hexanone	ug/L	25	0	23.7	95		53 - 135
4-Methyl-2-pentanone	ug/L	25	0	24.1	96		58 - 131
Acetone	ug/L	25	0	19.2	77		38 - 145
Benzene	ug/L	25	0	24.8	99		77 - 119
Bromodichloromethane	ug/L	25	0	25	100		75 - 113
Bromoform	ug/L	25	0	25.3	101		64 - 127
Bromomethane	ug/L	25	0	27.5	110		56 - 156
Carbon disulfide	ug/L	25	0	25.5	102		67 - 130
Carbon tetrachloride	ug/L	25	0	26.8	107		71 - 129
Chlorobenzene	ug/L	25	0	25.3	101		78 - 116
Chloroethane	ug/L	25	0	36.1	144		56 - 145
Chloroform	ug/L	25	0	25.2	101		67 - 122
Chloromethane	ug/L	25	0	107	428	*	60 - 139
Cyclohexane	ug/L	25	0	25.3	101		69 - 126
Dibromochloromethane	ug/L	25	0	25.4	102		76 - 113
Dichlorodifluoromethane	ug/L	25	0	24.9	100		60 - 120
Ethylbenzene	ug/L	25	0	26.1	104		76 - 118
Isopropylbenzene (Cumene)	ug/L	25	0	24.6	98		74 - 119
Methyl Acetate	ug/L	25	0	21.1	84		14 - 226
Methylcyclohexane	ug/L	25	0	24.4	98		71 - 127
Methylene chloride	ug/L	25	0	24.5	98		59 - 143
Styrene	ug/L	25	0	25.3	101		78 - 118
Tetrachloroethene	ug/L	25	.749	26	101		74 - 122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 48 outside limits

Spike Recovery: 5 out of 96 outside limits

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix Spike - EPA Sample No: 041310BQ403

Analytical Batch: 265889

Toluene	ug/L	25	0	25.6	102		78 - 114
Trichloroethene	ug/L	25	18.8	38.5	79		67 - 126
Trichlorofluoromethane	ug/L	25	0	24.9	100		53 - 144
Trichlorotrifluoroethane	ug/L	25	0	23.9	96		67 - 132
Vinyl chloride	ug/L	25	0	27.8	111		67 - 133
Xylene (total)	ug/L	75	0	78.1	104		77 - 119
cis-1,2-Dichloroethene	ug/L	25	73.3	88.3	60	*	76 - 123
cis-1,3-Dichloropropene	ug/L	25	0	25.4	102		74 - 121
tert-Butyl methyl ether (MTBE)	ug/L	25	0	24.5	98		61 - 135
trans-1,2-Dichloroethene	ug/L	25	2.2	26.7	98		72 - 130
trans-1,3-Dichloropropene	ug/L	25	0	24.9	100		77 - 114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 48 outside limits

Spike Recovery: 5 out of 96 outside limits

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix Spike - EPA Sample No: 041310BQ403

Analytical Batch: 265889

SAMPLE NO. : 20311191706

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1,1-Trichloroethane	ug/L	25	24.5	98		2		75 - 124	0 - 30
1,1,2,2-Tetrachloroethane	ug/L	25	26.6	106		.4		58 - 130	0 - 30
1,1,2-Trichloroethane	ug/L	25	24.6	98		2		78 - 112	0 - 30
1,1-Dichloroethane	ug/L	25	23.4	94		6		74 - 125	0 - 30
1,1-Dichloroethene	ug/L	25	24.3	97		2		72 - 138	0 - 14
1,2,4-Trichlorobenzene	ug/L	25	23.6	94		.4		51 - 141	0 - 30
1,2-Dibromo-3-chloropropane	ug/L	25	24.5	98		3		56 - 128	0 - 30
1,2-Dibromoethane	ug/L	25	23.7	95		3		77 - 113	0 - 30
1,2-Dichlorobenzene	ug/L	25	23.9	96		.4		78 - 113	0 - 30
1,2-Dichloroethane	ug/L	25	26.1	104		.8		74 - 128	0 - 30
1,2-Dichloropropane	ug/L	25	23.8	95		7		77 - 121	0 - 30
1,3-Dichlorobenzene	ug/L	25	23	92		.9		74 - 119	0 - 30
1,4-Dichlorobenzene	ug/L	25	25.1	100		3		79 - 114	0 - 30
2-Butanone	ug/L	25	22.8	91		2		62 - 129	0 - 30
2-Hexanone	ug/L	25	24.3	97		3		53 - 135	0 - 30
4-Methyl-2-pentanone	ug/L	25	23.2	93		4		58 - 131	0 - 30
Acetone	ug/L	25	19.7	79		3		38 - 145	0 - 30
Benzene	ug/L	25	23.6	94		5		77 - 119	0 - 11
Bromodichloromethane	ug/L	25	24.3	97		3		75 - 113	0 - 30
Bromoform	ug/L	25	25	100		1		64 - 127	0 - 30
Bromomethane	ug/L	25	26.5	106		4		56 - 156	0 - 30
Carbon disulfide	ug/L	25	24.6	98		4		67 - 130	0 - 30
Carbon tetrachloride	ug/L	25	25.7	103		4		71 - 129	0 - 30
Chlorobenzene	ug/L	25	24.7	99		2		78 - 116	0 - 13
Chloroethane	ug/L	25	41	164	*	13		56 - 145	0 - 30
Chloroform	ug/L	25	24.2	97		4		67 - 122	0 - 30
Chloromethane	ug/L	25	118	472	*	10		60 - 139	0 - 30
Cyclohexane	ug/L	25	24.5	98		3		69 - 126	0 - 30
Dibromochloromethane	ug/L	25	25.2	101		.8		76 - 113	0 - 30
Dichlorodifluoromethane	ug/L	25	24	96		4		60 - 120	0 - 30
Ethylbenzene	ug/L	25	24.6	98		6		76 - 118	0 - 30
Isopropylbenzene (Cumene)	ug/L	25	23.8	95		3		74 - 119	0 - 30
Methyl Acetate	ug/L	25	22.3	89		6		14 - 226	0 - 30
Methylcyclohexane	ug/L	25	23.6	94		3		71 - 127	0 - 30
Methylene chloride	ug/L	25	24	96		2		59 - 143	0 - 30
Styrene	ug/L	25	24.7	99		2		78 - 118	0 - 30
Tetrachloroethene	ug/L	25	25.6	99		2		74 - 122	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 48 outside limits

Spike Recovery: 5 out of 96 outside limits

3A

WATER VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix Spike - EPA Sample No: 041310BQ403

Analytical Batch: 265889

Toluene	ug/L	25	25.1	100		2		78 - 114	0 - 13
Trichloroethene	ug/L	25	36.9	72		4		67 - 126	0 - 14
Trichlorofluoromethane	ug/L	25	23.5	94		6		53 - 144	0 - 30
Trichlorotrifluoroethane	ug/L	25	23.5	94		2		67 - 132	0 - 30
Vinyl chloride	ug/L	25	27	108		3		67 - 133	0 - 30
Xylene (total)	ug/L	75	75.5	101		3		77 - 119	0 - 30
cis-1,2-Dichloroethene	ug/L	25	85.4	48	*	3		76 - 123	0 - 30
cis-1,3-Dichloropropene	ug/L	25	24.5	98		4		74 - 121	0 - 30
tert-Butyl methyl ether (MTBE)	ug/L	25	24	96		2		61 - 135	0 - 30
trans-1,2-Dichloroethene	ug/L	25	25.3	92		5		72 - 130	0 - 30
trans-1,3-Dichloropropene	ug/L	25	24.9	100		0		77 - 114	0 - 30

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 48 outside limits

Spike Recovery: 5 out of 96 outside limits

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB131589

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031121/D0994

Lab Sample ID: 131589 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm

Date Analyzed: 11/21/03 Time: 1303

Instrument ID: MSV5 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 265755

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS131588	131588	2031121/D0992	11/21/03	1215
2.	05-4911B111803	20311191801	2031121/D1010	11/21/03	1954
3.	05-49-11C111803	20311191802	2031121/D1011	11/21/03	2017

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB132080

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031123/S5300

Lab Sample ID: 132080 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm

Date Analyzed: 11/23/03 Time: 1705

Instrument ID: MSV1 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 265889

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS132079	132079	2031123/S5297	11/23/03	1555
2.	05-49TB111803	20311191803	2031123/S5302	11/23/03	1752

FORM IV VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031120/D0976

BFB Injection Date: 11/20/03

Instrument ID: MSV5

BFB Injection Time: 1228

GC Column: DB-624-30M ID: .53 (mm

Analytical Batch: 265856

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance
50	15.0 - 40.0% of mass 95	17.37 ( )
75	30.0 - 60.0% of mass 95	43 ( )
95	Base Peak, 100% relative abundance	100 ( )
96	5.0 -9.0% of mass 95	7.04 ( )
173	Less than 2.0% of mass 174	0 (0) 1
174	50.0 - 99.9% of mass 95	77.89 ( )
175	5.0 - 9.0% of mass 174	6.05 (7.77) 1
176	95.0 - 101.0% of mass 174	75.79 (97.31) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1- Value is % mass 174

2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	V5STD002	1207	2031120/D0979	11/20/03	1541
2.	V5STD004	1208	2031120/D0980	11/20/03	1605
3.	V5STD002	1206	2031120/D0981	11/20/03	1628
4.	V5STD005	1201	2031120/D0982	11/20/03	1652
5.	V5STD020	1202	2031120/D0983	11/20/03	1716
6.	V5STD050	1203	2031120/D0984	11/20/03	1740
7.	V5STD100	1204	2031120/D0985	11/20/03	1804
8.	V5STD200	1205	2031120/D0986	11/20/03	1828

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031121/D0990

BFB Injection Date: 11/21/03

Instrument ID: MSV5

BFB Injection Time: 1107

GC Column: DB-624-30M ID: .53 (mm

Analytical Batch: 265755

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	17.78	(	)	
75	30.0 - 60.0% of mass 95	45.46	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.83	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 99.9% of mass 95	74.35	(	)	
175	5.0 - 9.0% of mass 174	5.9	(7.94	)	1
176	95.0 - 101.0% of mass 174	71.74	(96.5	)	1
177	5.0 - 9.0% of mass 176	4.81	(6.71	)	2

1- Value is % mass 174 2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	V5STD050	1400	2031121/D0991	11/21/03	1137
2.	LCS131588	131588	2031121/D0992	11/21/03	1215
3.	MB131589	131589	2031121/D0994	11/21/03	1303
4.	05-4911B111803	20311191801	2031121/D1010	11/21/03	1954
5.	05-49-11C111803	20311191802	2031121/D1011	11/21/03	2017

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031123/S5281

BFB Injection Date: 11/23/03

Instrument ID: MSV1

BFB Injection Time: 0925

GC Column: DB-624-30M ID: .53 (mm

Analytical Batch: 265889

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	19.92	(	)	
75	30.0 - 60.0% of mass 95	50.28	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	8.11	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 99.9% of mass 95	77.65	(	)	
175	5.0 - 9.0% of mass 174	5.54	(7.14	)	1
176	95.0 - 101.0% of mass 174	75.29	(96.97	)	1
177	5.0 - 9.0% of mass 176	5.33	(7.08	)	2

1- Value is % mass 174

2- Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1 .	V1STD00.4	1208	2031123/S5284	11/23/03	1052
2 .	V1STD00.2	1207	2031123/S5286	11/23/03	1138
3 .	V1STD005	1201	2031123/S5287	11/23/03	1202
4 .	V1STD020	1202	2031123/S5288	11/23/03	1225
5 .	V1STD050	1203	2031123/S5289	11/23/03	1249
6 .	V1STD100	1204	2031123/S5290	11/23/03	1312
7 .	V1STD200	1205	2031123/S5291	11/23/03	1335
8 .	V1STD002	1206	2031123/S5294	11/23/03	1436
9 .	LCS132079	132079	2031123/S5297	11/23/03	1555
10 .	MB132080	132080	2031123/S5300	11/23/03	1705
11 .	05-49TB111803	20311191803	2031123/S5302	11/23/03	1752

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203111918

Instrument ID: MSV5 | Calibration Date 1 11/20/03 | Time 1: 1541

GC Column: DB-624-30M | ID: .53 (mm) | Calibration Date 2 11/20/03 | Time 2: 1828

Heated Purge: (Y/N) N | Method: 1311/8260B

Analytical Batch: 265856

Lab File ID: Level 1: 1201 | Level 2: 1202 | Level 3: 1203

Level 4: 1204 | Level 5: 1205 | Level 6: 1206

Level 7: 1207 | Level 8: 1208 | Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
Acetone	0.143	0.10	0.103	0.093	0.080					0.104	22.61		50	Averaged
Acrolein	0.036	0.036	0.042	0.041	0.037					0.038	7.391		50	Averaged
Acrylonitrile	0.104	0.120	0.133	0.122	0.113					0.118	8.947		50	Averaged
Bromochloromethane	0.131	0.141	0.141	0.137	0.135					0.137	2.994		50	Averaged
Bromodichloromethane	0.306	0.315	0.333	0.330	0.321	0.292	0.236			0.305	10.98		50	Averaged
Bromoform	0.347	0.385	0.425	0.423	0.407					0.397	8.097		50	Averaged
Bromomethane	0.164	0.160	0.158	0.160	0.139					0.156	6.489		50	Averaged
Carbon disulfide	0.768	0.782	0.820	0.746	0.756					0.774	3.706		50	Averaged
Carbon tetrachloride	0.246	0.254	0.265	0.247	0.246					0.251	3.314		50	Averaged
Chloroethane	0.158	0.156	0.177	0.162	0.162					0.163	4.940		50	Averaged
m,p-Xylene	1.126	1.111	1.194	1.096	1.158					1.137	3.472		50	Averaged
Chloroform	0.435	0.435	0.431	0.411	0.401					0.422	3.749		30	Averaged
Chloromethane	0.365	0.356	0.390	0.345	0.364					0.364	4.559		50	Averaged
Dibromochloromethane	0.609	0.604	0.654	0.649	0.659					0.635	4.178		50	Averaged
Dibromomethane	0.158	0.169	0.173	0.170	0.164					0.167	3.551		50	Averaged
Dichlorodifluoromethane	0.215	0.227	0.245	0.211	0.226					0.225	5.773		50	Averaged
1,1-Dichloroethane	0.454	0.469	0.473	0.448	0.441					0.457	2.981		50	Averaged
1,2-Dichloroethane	0.320	0.332	0.341	0.332	0.316					0.328	3.062		50	Averaged
cis-1,2-Dichloroethene	0.399	0.429	0.436	0.415	0.408					0.417	3.578		50	Averaged
trans-1,2-Dichloroethene	0.317	0.347	0.360	0.335	0.329					0.338	4.934		50	Averaged
Methylene chloride	0.391	0.374	0.366	0.352	0.342					0.365	5.227		50	Averaged
1,2-Dichloropropane	0.306	0.314	0.317	0.309	0.297					0.309	2.539		30	Averaged
cis-1,3-Dichloropropene	0.444	0.464	0.471	0.462	0.457					0.459	2.208		50	Averaged
trans-1,3-Dichloropropene	0.983	1.013	1.080	1.057	1.054					1.037	3.746		50	Averaged
Ethylbenzene	0.991	0.985	1.014	0.941	0.955					0.977	2.986		30	Averaged
2-Hexanone	0.575	0.620	0.701	0.619	0.564					0.616	8.727		50	Averaged
Isopropylbenzene (Cumene)	2.808	2.792	2.956	2.765	2.887	2.927	3.818	3.067		3.002	11.46		50	Averaged
2-Butanone	0.180	0.178	0.198	0.168	0.157					0.176	8.735		50	Averaged
Methyl iodide	0.355	0.357	0.346	0.359	0.341					0.352	2.169		50	Averaged
4-Methyl-2-pentanone	0.320	0.346	0.388	0.342	0.321					0.343	8.026		50	Averaged
n-Propylbenzene	4.229	4.400	4.461	4.188	4.362					4.328	2.674		50	Averaged
Styrene	1.830	1.891	2.022	1.910	2.017					1.934	4.319		50	Averaged
Tetrachloroethene	0.539	0.532	0.551	0.507	0.509					0.527	3.640		50	Averaged
1,1,1,2-Tetrachloroethane	0.639	0.593	0.612	0.597	0.588					0.606	3.413		50	Averaged
1,1,2,2-Tetrachloroethane	1.078	1.075	1.160	1.108	0.991	1.116	0.876	0.948		1.044	9.244		50	Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM V I VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203111918

Instrument ID: MSV5 | Calibration Date 1: 11/20/03 | Time 1: 1541

GC Column: DB-624-30M | ID: .53 (mm) | Calibration Date 2: 11/20/03 | Time 2: 1828

Heated Purge: (Y/N) N | Method: 1311/8260B

Analytical Batch: 265856

Lab File ID: Level 1: 1201 | Level 2: 1202 | Level 3: 1203

Level 4: 1204 | Level 5: 1205 | Level 6: 1206

Level 7: 1207 | Level 8: 1208 | Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
1,2,4-Trichlorobenzene	0.945	0.997	1.010	0.971	0.943					0.973	3.094		50	Averaged
1,1,1-Trichloroethane	0.302	0.315	0.331	0.307	0.301					0.311	3.854		50	Averaged
1,1,2-Trichloroethane	0.622	0.609	0.641	0.622	0.604					0.620	2.316		50	Averaged
Trichlorofluoromethane	0.244	0.239	0.260	0.234	0.239					0.243	4.154		50	Averaged
1,2,3-Trichloropropane	1.408	1.468	1.530	1.465	1.314					1.437	5.657		50	Averaged
1,2,4-Trimethylbenzene	2.805	2.978	2.838	2.695	2.675					2.798	4.377		50	Averaged
1,3,5-Trimethylbenzene	2.737	2.892	2.825	2.653	2.654					2.752	3.841		50	Averaged
Vinyl chloride	0.281	0.280	0.303	0.266	0.280	0.273	0.467	0.282		0.304	21.94		30	Averaged
o-Xylene	1.116	1.077	1.133	1.050	1.111					1.098	3.041		50	Averaged
1,2-Dibromo-3-chloropropane	0.167	0.186	0.219	0.197	0.186	0.177	0.00	0.00		0.189	9.409		50	Averaged
1,2-Dibromoethane	0.620	0.625	0.657	0.639	0.631	0.612	0.337	0.509		0.579	18.57		50	Averaged
Vinyl acetate	0.304	0.325	0.343	0.298	0.303					0.315	5.971		50	Averaged
tert-Butyl methyl ether (MTBE)	0.694	0.730	0.766	0.744	0.693					0.726	4.367		50	Averaged
1,2-Dichloroethene	0.358	0.388	0.398	0.375	0.368					0.377	4.174		50	Averaged
4-Isopropyltoluene	2.982	3.179	3.123	2.923	2.986					3.039	3.541		50	Averaged
Xylene (total)	1.123	1.100	1.174	1.081	1.143					1.124	3.244		50	Averaged
Methylcyclohexane	0.500	0.512	0.525	0.468	0.480					0.497	4.645		50	Averaged
n-Hexane	0.444	0.456	0.476	0.423	0.434					0.446	4.505		50	Averaged
trans-1,4-Dichloro-2-butene	0.310	0.314	0.346	0.326	0.285					0.316	7.071		50	Averaged
Cyclohexane	0.522	0.562	0.589	0.521	0.521					0.543	5.738		50	Averaged
2,2-Dichloropropane	0.338	0.342	0.357	0.330	0.323					0.338	3.783		50	Averaged
Methyl Acetate	0.203	0.192	0.182	0.185	0.185					0.189	4.463		50	Averaged
Trichlorotrifluoroethane	0.207	0.201	0.210	0.190	0.191					0.200	4.580		50	Averaged
1,1-Dichloropropene	0.335	0.346	0.366	0.329	0.326					0.340	4.749		50	Averaged
2-Chloroethylvinyl ether	0.176	0.177	0.203	0.189	0.195					0.188	6.166		50	Averaged
1,3-Dichloropropane	1.210	1.183	1.237	1.206	1.177					1.202	1.992		50	Averaged
Bromobenzene	2.215	2.332	2.348	2.256	2.167					2.263	3.395		50	Averaged
2-Chlorotoluene	2.795	2.788	2.673	2.605	2.651					2.702	3.141		50	Averaged
4-Chlorotoluene	2.589	2.614	2.673	2.531	2.571					2.596	2.042		50	Averaged
tert-Butylbenzene	1.893	1.876	1.889	1.766	1.819					1.848	2.966		50	Averaged
sec-Butylbenzene	3.757	3.851	3.885	3.597	3.806					3.779	2.979		50	Averaged
1,3-Dichlorobenzene	1.677	1.664	1.635	1.540	1.549					1.613	3.976		50	Averaged
1,4-Dichlorobenzene	1.667	1.728	1.690	1.608	1.624					1.664	2.913		50	Averaged
n-Butylbenzene	3.043	3.055	2.965	2.757	2.788					2.922	4.820		50	Averaged
1,2-Dichlorobenzene	1.515	1.561	1.535	1.460	1.462					1.506	2.968		50	Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM V I VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Instrument ID: MSV5 Calibration Date 1 11/20/03 Time 1: 1541

GC Column: DB-624-30M ID: .53 (mm) Calibration Date 2 11/20/03 Time 2: 1828

Heated Purge: (Y/N) N Method: 1311/8260B

Analytical Batch: 265856

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
Hexachlorobutadiene	0.478	0.532	0.532	0.501	0.503					0.509	4.512		50	Averaged
Naphthalene	3.398	2.548	2.819	2.428	2.460					2.731	14.78		50	Averaged
1,2,3-Trichlorobenzene	0.858	0.899	0.911	0.886	0.861					0.883	2.610		50	Averaged
1,1-Dichloroethene	0.185	0.172	0.179	0.159	0.160					0.171	6.773		30	Averaged
Benzene	1.126	1.150	1.153	1.081	1.072	1.267	2.160	1.630		1.330	28.66		50	Averaged
Trichloroethene	0.274	0.300	0.292	0.274	0.272					0.283	4.487		50	Averaged
Toluene	2.978	2.910	2.940	2.765	2.743					2.867	3.711		30	Averaged
Chlorobenzene	1.905	1.893	1.894	1.810	1.809					1.862	2.604		50	Averaged
4-Bromofluorobenzene	0.633	0.614	0.662	0.620	0.631					0.632	2.870		50	Averaged
Dibromofluoromethane	0.222	0.228	0.233	0.224	0.217					0.225	2.716		50	Averaged
Toluene-d8	2.249	2.233	2.284	2.145	2.144					2.211	2.871		50	Averaged
1,2-Dichloroethane-d4	0.134	0.140	0.147	0.142	0.134					0.139	3.818		50	Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM V I VOA

Data File: /var/chem/msv5.i/2031120.s.b/d0989.d
Report Date: 01-Dec-2003 13:09

Gulf Coast Analytical Laboratories, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: ch2-ICV.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv5.i/2031120.s.b/8260Bw5.m
Misc Info: MSV~4009~*1*JAR

Client SDG: 2031120.s
Fraction: VOA
Client Smp ID: V5STD050
Operator: JAR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ppb	AMOUNT RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	51.8	103.54	80-120
2 Chloromethane ++	50.0	53.3	106.70	80-120
3 Vinyl Chloride +	50.0	48.5	96.91	80-120
4 Bromomethane	50.0	50.7	101.44	80-120
5 Chloroethane	50.0	53.0	106.08	80-120
6 Trichlorofluoromet	50.0	52.2	104.38	80-120
8 1,1-Dichloroethene	50.0	56.9	113.76	80-120
9 1,1,2Trichlotriflu	50.0	51.3	102.54	80-120
11 Methyl Iodide	50.0	46.2	92.31	80-120
12 Carbon Disulfide	50.0	49.5	98.91	80-120
13 Methylene Chloride	50.0	54.8	109.66	80-120
15 trans-1,2-Dichloro	50.0	58.3	116.54	80-120
17 MTBE	50.0	52.6	105.23	80-120
18 1,1-Dichloroethane	50.0	54.2	108.46	80-120
19 Vinyl Acetate	50.0	47.6	95.24	80-120
20 cis-1,2-Dichloroet	50.0	54.6	109.24	80-120
21 2,2-Dichloropropan	50.0	54.9	109.71	80-120
23 Bromochloromethane	50.0	53.2	106.39	80-120
24 Chloroform +	50.0	52.8	105.54	80-120
26 1,1,1-Trichloroeth	50.0	51.9	103.85	80-120
27 1,1-Dichloropropen	50.0	54.2	108.38	80-120
28 Carbon Tetrachlori	50.0	54.5	108.99	80-120
30 1,2-Dichloroethane	50.0	53.2	106.44	80-120
31 Benzene	50.0	43.9	87.87	80-120
34 Trichloroethene	50.0	51.1	102.14	80-120
36 1,2-Dichloropropan	50.0	52.6	105.28	80-120
37 Dibromomethane	50.0	52.2	104.45	80-120
38 Bromodichlorometha	50.0	56.3	112.69	80-120
39 2-Chloroethyl viny	50.0	46.5	93.06	80-120
40 cis-1,3-Dichloropr	50.0	55.3	110.67	80-120
43 Toluene +	50.0	50.9	101.72	80-120
44 trans-1,3-Dichloro	50.0	55.7	111.47	80-120
45 1,1,2-Trichloroeth	50.0	52.4	104.78	80-120

SPIKE COMPOUND	AMOUNT ADDED ppb	AMOUNT RECOVERED ppb	% RECOVERED	LIMITS
46 1,3-Dichloropropan	50.0	52.0	104.07	80-120
47 Tetrachloroethene	50.0	48.7	97.40	80-120
49 Dibromochlorometha	50.0	52.0	104.03	80-120
50 1,2-Dibromoethane(	50.0	58.4	116.70	80-120
52 Chlorobenzene ++	50.0	52.7	105.35	80-120
53 1,1,1,2-Tetrachlor	50.0	52.4	104.86	80-120
54 Ethylbenzene +	50.0	51.2	102.35	80-120
55 p,m-Xylene	100	104	104.38	80-120
56 o-Xylene	50.0	53.5	107.01	80-120
57 Styrene	50.0	51.1	102.19	80-120
58 Bromoform ++	50.0	54.3	108.69	80-120
59 Isopropylbenzene	50.0	48.2	96.40	80-120
61 1,1,2,2-Tetrachlor	50.0	54.5	108.91	80-120
62 trans-1,4-Dichloro	50.0	62.1	124.24*	80-120
63 1,2,3-Trichloropro	50.0	54.4	108.72	80-120
64 Bromobenzene	50.0	52.9	105.75	80-120
65 n-Propylbenzene	50.0	50.3	100.63	80-120
66 2-Chlorotoluene	50.0	52.3	104.70	80-120
67 1,3,5-Trimethylben	50.0	50.0	100.06	80-120
68 4-Chlorotoluene	50.0	51.1	102.21	80-120
69 tert-butylbenzene	50.0	50.9	101.76	80-120
70 1,2,4-Trimethylben	50.0	50.8	101.67	80-120
71 sec-Butylbenzene	50.0	50.9	101.84	80-120
72 p-Isopropyltoluene	50.0	51.6	103.19	80-120
73 1,3-Dichlorobenzen	50.0	51.9	103.88	80-120
75 1,4-Dichlorobenzen	50.0	51.9	103.90	80-120
76 1,2-Dichlorobenzen	50.0	51.2	102.36	80-120
77 n-Butylbenzene	50.0	50.3	100.53	80-120
79 1,2-Dibromo-3-Chlo	50.0	53.1	106.15	80-120
80 1,2,4-Trichloroben	50.0	51.8	103.69	80-120
81 Hexachlorobutadien	50.0	49.2	98.31	80-120
82 Naphthalene	50.0	47.4	94.70	80-120
83 1,2,3-Trichloroben	50.0	52.7	105.41	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.0	50.5	100.91	70-130
$ 29 1,2-Dichloroethane	50.0	49.3	98.67	76-128
$ 42 Toluene-d8	50.0	51.5	102.95	83-112
$ 60 Bromofluorobenzene	50.0	52.4	104.73	78-115

Data File: /var/chem/msv5.i/2031120.s.b/d0988.d
Report Date: 01-Dec-2003 13:09

Gulf Coast Analytical Laboratories, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICVKEY
Level: LOW
Data Type: MS DATA
SpikeList File: ICV-ket.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv5.i/2031120.s.b/8260Bw5.m
Misc Info: MSV~4009~*1*JAR

Client SDG: 2031120.s
Fraction: VOA
Client Smp ID: V5STD050
Operator: HJL
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
7 Acrolein	250	234	93.56	80-120
10 Acetone	50.0	38.9	77.76*	80-120
14 Acrylonitrile	250	257	102.82	80-120
22 2-Butanone	50.0	46.4	92.88	80-120
41 4-methyl-2-pentano	50.0	47.5	94.93	80-120
48 2-Hexanone	50.0	47.1	94.20	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.0	49.7	99.38	70-130
$ 29 1,2-Dichloroethane	50.0	49.0	97.97	76-128
$ 42 Toluene-d8	50.0	50.9	101.81	83-112
$ 60 Bromofluorobenzene	50.0	51.0	102.08	78-115

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSV5

Calibration Date: 11/21/03 Time: 1137

Lab File ID: 2031121/D0991

Init. Calib. Date 1: 11/20/03 Time 1: 1541

Heated Purge: (Y/N) N

Init. Calib. Date 2: 11/20/03 Time 2: 1828

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 265755

COMPOUND	$\overline{RRF}$	RRF50	Min RRF	% D	Max %D
Acetone	0.104	0.116	0	11.6	50
Acrolein	0.038	0.046	0	19.6	50
Acrylonitrile	0.118	0.142	0	20.4	50
Bromochloromethane	0.137	0.141	0	2.671	50
Bromodichloromethane	0.305	0.323	0	6.155	50
Bromoform	0.397	0.436	.1	9.820	50
Bromomethane	0.156	0.181	0	15.8	50
Carbon disulfide	0.774	0.782	0	0.924	50
Carbon tetrachloride	0.251	0.253	0	0.733	50
Chloroethane	0.163	0.167	0	2.657	50
m,p-Xylene	1.137	1.232	0	8.325	50
Chloroform	0.422	0.419	0	-0.78	20
Chloromethane	0.364	0.371	.1	1.802	50
Dibromochloromethane	0.635	0.656	0	3.379	50
Dibromomethane	0.167	0.171	0	2.804	50
Dichlorodifluoromethane	0.225	0.228	0	1.619	50
1,1-Dichloroethane	0.457	0.453	.1	-0.81	50
1,2-Dichloroethane	0.328	0.336	0	2.259	50
cis-1,2-Dichloroethene	0.417	0.421	0	0.996	50
trans-1,2-Dichloroethene	0.338	0.343	0	1.550	50
Methylene chloride	0.365	0.344	0	-5.74	50
1,2-Dichloropropane	0.309	0.309	0	0.089	20
cis-1,3-Dichloropropene	0.459	0.466	0	1.362	50
trans-1,3-Dichloropropene	1.037	1.083	0	4.454	50
Ethylbenzene	0.977	1.002	0	2.529	20
2-Hexanone	0.616	0.795	0	29.1	50
Isopropylbenzene (Cumene)	3.002	3.018	0	0.542	50
2-Butanone	0.176	0.205	0	16.2	50
Methyl Iodide	0.352	0.315	0	-10.4	50
4-Methyl-2-pentanone	0.343	0.394	0	14.8	50
n-Propylbenzene	4.328	4.229	0	-2.29	50
Styrene	1.934	2.104	0	8.807	50
Tetrachloroethene	0.527	0.538	0	1.993	50
1,1,1,2-Tetrachloroethane	0.606	0.611	0	0.931	50
1,1,2,2-Tetrachloroethane	1.044	1.117	.3	7.002	50
1,2,4-Trichlorobenzene	0.973	0.944	0	-3.02	50
1,1,1-Trichloroethane	0.311	0.315	0	1.324	50
1,1,2-Trichloroethane	0.620	0.643	0	3.734	50
Trichlorofluoromethane	0.243	0.248	0	1.783	50

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSV5

Calibration Date: 11/21/03 Time: 1137

Lab File ID: 2031121/D0991

Init. Calib. Date 1: 11/20/03 Time 1: 1541

Heated Purge: (Y/N) N

Init. Calib. Date 2: 11/20/03 Time 2: 1828

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 265755

COMPOUND	$\overline{RRF}$	RRF50	Min RRF	% D	Max %D
1,2,3-Trichloropropane	1.437	1.440	0	0.196	50
1,2,4-Trimethylbenzene	2.798	2.703	0	-3.41	50
1,3,5-Trimethylbenzene	2.752	2.740	0	-0.45	50
Vinyl chloride	0.304	0.289	0	-5.11	20
o-Xylene	1.098	1.184	0	7.913	50
1,2-Dibromo-3-chloropropane	0.189	0.210	0	11.2	50
1,2-Dibromoethane	0.579	0.668	0	15.5	50
Vinyl acetate	0.315	0.312	0	-0.88	50
tert-Butyl methyl ether (MTBE)	0.726	0.771	0	6.317	50
1,2-Dichloroethene	0.377	0.382	0	1.244	50
4-Isopropyltoluene	3.039	3.028	0	-0.35	50
Xylene (total)	1.124	1.216	0	8.191	50
Methylcyclohexane	0.497	0.502	0	0.948	50
n-Hexane	0.446	0.442	0	-0.99	50
trans-1,4-Dichloro-2-butene	0.316	0.331	0	4.663	50
Cyclohexane	0.543	0.556	0	2.387	50
2,2-Dichloropropane	0.338	0.340	0	0.642	50
Methyl Acetate	0.189	0.197	0	4.226	50
Trichlorotrifluoroethane	0.200	0.206	0	3.127	50
1,1-Dichloropropene	0.340	0.342	0	0.491	50
2-Chloroethylvinyl ether	0.188	0.195	0	3.854	50
1,3-Dichloropropane	1.202	1.240	0	3.164	50
Bromobenzene	2.263	2.142	0	-5.36	50
2-Chlorotoluene	2.702	2.588	0	-4.23	50
4-Chlorotoluene	2.596	2.528	0	-2.62	50
tert-Butylbenzene	1.848	1.794	0	-2.96	50
sec-Butylbenzene	3.779	3.741	0	-1.01	50
1,3-Dichlorobenzene	1.613	1.613	0	-0.01	50
1,4-Dichlorobenzene	1.664	1.636	0	-1.64	50
n-Butylbenzene	2.922	2.790	0	-4.50	50
1,2-Dichlorobenzene	1.506	1.514	0	0.505	50
Hexachlorobutadiene	0.509	0.515	0	1.143	50
Naphthalene	2.731	2.793	0	2.281	50
1,2,3-Trichlorobenzene	0.883	0.875	0	-0.86	50
1,1-Dichloroethene	0.171	0.172	0	0.825	20
Benzene	1.330	1.119	0	-15.8	50
Trichloroethene	0.283	0.281	0	-0.49	50
Toluene	2.867	2.889	0	0.762	20
Chlorobenzene	1.862	1.894	.3	1.705	50

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSV5

Calibration Date: 11/21/03 Time: 1137

Lab File ID: 2031121/D0991

Init. Calib. Date 1: 11/20/03 Time 1: 1541

Heated Purge: (Y/N) N

Init. Calib. Date 2: 11/20/03 Time 2: 1828

GC Column: DB-624-30M ID: .53 (mm)

Analytical Batch: 265755

COMPOUND	$\overline{RRF}$	RRF50	Min RRF	% D	Max %D
4-Bromofluorobenzene	0.632	0.680	0	7.609	50
Dibromofluoromethane	0.225	0.243	0	8.224	50
Toluene-d8	2.211	2.419	0	9.390	50
1,2-Dichloroethane-d4	0.139	0.154	0	10.7	50

FORM V II VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203111918

Instrument ID: MSV1 | Calibration Date 1 11/23/03 | Time 1: 1052

GC Column: DB-624-30M | ID: .53 (mm) | Calibration Date 2 11/23/03 | Time 2: 1436

Heated Purge: (Y/N) N | Method: SW-846 8260

Analytical Batch: 265889

Lab File ID: Level 1: 1201 | Level 2: 1202 | Level 3: 1203

Level 4: 1204 | Level 5: 1205 | Level 6: 1206

Level 7: 1207 | Level 8: 1208 | Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
Acetone	0.082	0.077	0.063	0.064	0.062					0.070	13.32		50	Averaged
Acrylonitrile	0.077	0.072	0.074	0.072	0.071					0.073	3.354		50	Averaged
Bromochloromethane	0.225	0.211	0.201	0.193	0.192					0.204	6.754		50	Averaged
Bromodichloromethane	0.596	0.573	0.529	0.515	0.515	0.494		0.577		0.542	7.152		50	Averaged
Bromoform	0.821	0.826	0.794	0.762	0.734	0.774				0.785	4.501		50	Averaged
Bromomethane	0.260	0.231	0.212	0.197	0.180					0.216	14.34		50	Averaged
Carbon disulfide	0.785	0.734	0.691	0.666	0.697					0.715	6.478		50	Averaged
Carbon tetrachloride	0.468	0.439	0.418	0.398	0.419	0.316				0.410	12.62		50	Averaged
Chloroethane	0.215	0.177	0.166	0.149	0.117					0.165	21.91		50	Averaged
m,p-Xylene	1.198	1.102	0.978	0.911	0.856					1.009	13.87		50	Averaged
Chloroform	0.643	0.625	0.583	0.557	0.558					0.593	6.597		30	Averaged
Chloromethane	0.261	0.238	0.221	0.205	0.212	0.166				0.217	14.84		50	Averaged
Dibromochloromethane	1.058	1.057	0.988	0.957	0.906	0.994		0.965		0.989	5.536		50	Averaged
Dibromomethane	0.349	0.329	0.303	0.298	0.289					0.314	7.910		50	Averaged
Dichlorodifluoromethane	0.447	0.434	0.395	0.375	0.402					0.411	7.141		50	Averaged
1,1-Dichloroethane	0.553	0.519	0.484	0.467	0.474					0.499	7.223		50	Averaged
1,2-Dichloroethane	0.390	0.364	0.370	0.347	0.339	0.365				0.363	5.010		50	Averaged
cis-1,2-Dichloroethene	0.546	0.501	0.466	0.444	0.448					0.481	8.868		50	Averaged
trans-1,2-Dichloroethene	0.436	0.409	0.370	0.359	0.361					0.387	8.805		50	Averaged
Methylene chloride	0.387	0.350	0.344	0.334	0.338					0.351	6.053		50	Averaged
1,2-Dichloropropane	0.444	0.414	0.374	0.369	0.360					0.392	9.118		30	Averaged
cis-1,3-Dichloropropene	0.568	0.540	0.519	0.509	0.513					0.530	4.668		50	Averaged
trans-1,3-Dichloropropene	1.050	1.007	0.946	0.916	0.885					0.961	6.974		50	Averaged
Ethylbenzene	0.824	0.726	0.670	0.599	0.511					0.666	17.93		30	Averaged
2-Hexanone	0.544	0.532	0.521	0.489	0.448					0.507	7.634		50	Averaged
Isopropylbenzene (Cumene)	3.058	2.812	2.563	2.366	2.279	3.187		3.065		2.761	13.16		50	Averaged
2-Butanone	0.160	0.145	0.134	0.139	0.130					0.142	8.145		50	Averaged
Methyl iodide	0.642	0.617	0.587	0.578	0.570					0.599	5.009		50	Averaged
4-Methyl-2-pentanone	0.408	0.409	0.390	0.393	0.382					0.396	2.972		50	Averaged
n-Propylbenzene	3.950	3.585	3.320	3.017	2.933					3.361	12.44		50	Averaged
Styrene	1.890	1.766	1.651	1.540	1.462					1.662	10.32		50	Averaged
Tetrachloroethene	0.745	0.681	0.626	0.582	0.561	0.603				0.633	10.83		50	Averaged
1,1,1,2-Tetrachloroethane	0.822	0.795	0.713	0.665	0.614					0.722	12.04		50	Averaged
1,1,2,2-Tetrachloroethane	1.362	1.258	1.140	1.030	0.941	1.192	1.673	1.327		1.240	18.19		50	Averaged
1,2,4-Trichlorobenzene	1.002	1.002	0.958	0.980	1.005					0.989	2.051		50	Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM VI VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203111918

Instrument ID: MSV1 | Calibration Date 1 11/23/03 | Time 1: 1052

GC Column: DB-624-30M | ID: .53 (mm) | Calibration Date 2 11/23/03 | Time 2: 1436

Heated Purge: (Y/N) N | Method: SW-846 8260

Analytical Batch: 265889

Lab File ID: Level 1: 1201 | Level 2: 1202 | Level 3: 1203

Level 4: 1204 | Level 5: 1205 | Level 6: 1206

Level 7: 1207 | Level 8: 1208 | Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
1,1,1-Trichloroethane	0.556	0.509	0.480	0.453	0.464					0.492	8.403		50	Averaged
1,1,2-Trichloroethane	0.822	0.768	0.700	0.651	0.608					0.710	12.19		50	Averaged
Trichlorofluoromethane	0.641	0.599	0.547	0.528	0.571					0.577	7.728		50	Averaged
1,2,3-Trichloropropane	1.419	1.575	1.417	1.336	1.245					1.398	8.717		50	Averaged
1,2,4-Trimethylbenzene	2.678	2.451	2.285	2.181	2.184					2.356	8.948		50	Averaged
1,3,5-Trimethylbenzene	2.763	2.479	2.323	2.186	2.210					2.392	9.928		50	Averaged
Vinyl chloride	0.301	0.268	0.245	0.239	0.251	0.197		0.129		0.233	23.81		30	Averaged
o-Xylene	1.131	1.062	0.948	0.882	0.834					0.972	12.72		50	Averaged
1,2-Dibromo-3-chloropropane	0.312	0.335	0.334	0.337	0.346	0.410	0.075	0.194		0.345	1.000		50	Linear
1,2-Dibromoethane	1.045	0.996	0.936	0.888	0.826	1.040	1.025	1.079		0.979	8.953		50	Averaged
Vinyl acetate	0.593	0.486	0.462	0.469	0.485					0.499	10.77		50	Averaged
tert-Butyl methyl ether (MTBE)	0.783	0.749	0.700	0.695	0.667					0.719	6.454		50	Averaged
1,2-Dichloroethene	0.491	0.455	0.418	0.402	0.405					0.434	8.826		50	Averaged
4-Isopropyltoluene	2.846	2.574	2.396	2.323	2.375					2.503	8.543		50	Averaged
Xylene (total)	1.228	1.138	1.038	0.981	0.993					1.076	9.792		50	Averaged
Methylcyclohexane	0.527	0.475	0.423	0.422	0.443					0.458	9.688		50	Averaged
n-Hexane	0.371	0.333	0.308	0.165	0.324					0.300	26.35		50	Averaged
trans-1,4-Dichloro-2-butene	0.271	0.270	0.267	0.248	0.243					0.260	5.137		50	Averaged
Cyclohexane	0.485	0.449	0.408	0.388	0.385					0.423	10.12		50	Averaged
2,2-Dichloropropane	0.500	0.445	0.415	0.404	0.421					0.437	8.731		50	Averaged
Methyl Acetate	0.174	0.168	0.153	0.151	0.125					0.154	12.39		50	Averaged
Trichlorotrifluoroethane	0.577	0.547	0.502	0.467	0.499					0.519	8.332		50	Averaged
1,1-Dichloropropene	0.525	0.455	0.431	0.416	0.423					0.450	9.846		50	Averaged
2-Chloroethylvinyl ether	0.222	0.210	0.182	0.178	0.196					0.197	9.494		50	Averaged
1,3-Dichloropropane	1.277	1.189	1.105	1.041	0.963					1.115	11.02		50	Averaged
Bromobenzene	2.378	2.222	2.043	1.916	1.870					2.086	10.20		50	Averaged
2-Chlorotoluene	2.863	2.513	2.388	2.182	2.146					2.418	12.01		50	Averaged
4-Chlorotoluene	2.714	2.393	2.389	2.216	2.322					2.407	7.734		50	Averaged
tert-Butylbenzene	1.908	1.731	1.588	1.589	1.636					1.690	7.981		50	Averaged
sec-Butylbenzene	3.859	3.706	3.347	3.219	3.328					3.492	7.886		50	Averaged
1,3-Dichlorobenzene	1.599	1.398	1.437	1.354	1.247					1.407	9.166		50	Averaged
1,4-Dichlorobenzene	1.928	1.773	1.565	1.502	1.526					1.659	11.14		50	Averaged
n-Butylbenzene	2.886	2.636	2.424	2.388	2.470					2.561	8.009		50	Averaged
1,2-Dichlorobenzene	1.692	1.490	1.426	1.355	1.387					1.470	9.120		50	Averaged
Hexachlorobutadiene	0.692	0.667	0.627	0.614	0.673	1.691				0.664	0.997		50	Linear

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM V I VOA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSV1

Calibration Date 1 11/23/03 Time 1: 1052

GC Column: DB-624-30M ID: .53 (mm)

Calibration Date 2 11/23/03 Time 2: 1436

Heated Purge: (Y/N) N

Method: SW-846 8260

Analytical Batch: 265889

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	$\overline{RF}$	RSD	#	LIMIT	TYPE
Naphthalene	1.564	1.751	1.729	1.785	1.835					1.733	5.935		50	Averaged
1,2,3-Trichlorobenzene	0.947	0.937	0.911	0.899	0.918					0.922	2.134		50	Averaged
1,1-Dichloroethene	0.306	0.281	0.259	0.247	0.255					0.270	8.884		30	Averaged
Benzene	1.109	1.023	0.940	0.890	0.878	0.901		1.195		0.991	12.37		50	Averaged
Trichloroethene	0.461	0.434	0.407	0.410	0.412	0.374				0.416	7.016		50	Averaged
Toluene	2.569	2.297	2.094	1.963	1.874					2.159	12.90		30	Averaged
Chlorobenzene	1.828	1.665	1.524	1.402	1.323					1.549	13.10		50	Averaged
4-Bromofluorobenzene	1.020	0.952	0.880	0.844	0.822					0.904	9.026		50	Averaged
Dibromofluoromethane	0.538	0.492	0.453	0.434	0.423					0.468	10.07		50	Averaged
Toluene-d8	2.197	1.967	1.812	1.694	1.655					1.865	11.89		50	Averaged
1,2-Dichloroethane-d4	0.196	0.182	0.172	0.166	0.170					0.177	6.655		50	Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

FORM V I VOA

Data File: /var/chem/msv1.i/2031123.s.b/s5295.d
Report Date: 23-Nov-2003 15:30

Gulf Coast Analytical Laboratories, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: CH2-ICV.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv1.i/2031123.s.b/8260Bw1.m
Misc Info: MSV~4019~*1*RSP

Client SDG: 2031123.s
Fraction: VOA
Client Smp ID: V1STD050
Operator: RSP
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	38.8	77.51*	80-120
2	Chloromethane ++	50.0	37.6	75.23*	80-120
3	Vinyl Chloride +	50.0	45.3	90.63	80-120
5	Bromomethane	50.0	41.9	83.81	80-120
6	Chloroethane	50.0	45.0	90.01	80-120
7	Trichlorofluoromet	50.0	40.0	80.10	80-120
9	Acrolein	250	247	98.68	80-120
11	1,1-Dichloroethene	50.0	51.3	102.61	80-120
10	1,1,2Trichlotriflu	50.0	52.5	105.07	80-120
12	Acetone	50.0	48.2	96.37	80-120
13	Methyl Iodide	50.0	51.3	102.54	80-120
14	Carbon Disulfide	50.0	54.2	108.48	80-120
17	Methylene Chloride	50.0	49.7	99.30	80-120
22	Acrylonitrile	250	220	88.06	80-120
19	trans-1,2-Dichloro	50.0	50.2	100.48	80-120
21	MTBE	50.0	49.1	98.23	80-120
24	1,1-Dichloroethane	50.0	48.6	97.13	80-120
25	Vinyl Acetate	50.0	36.1	72.19*	80-120
30	cis-1,2-Dichloroet	50.0	49.5	99.09	80-120
31	2,2-Dichloropropan	50.0	51.4	102.75	80-120
32	2-Butanone	50.0	50.6	101.25	80-120
34	Bromochloromethane	50.0	49.6	99.19	80-120
41	Chloroform +	50.0	50.6	101.23	80-120
37	1,1,1-Trichloroeth	50.0	51.4	102.78	80-120
42	1,1-Dichloropropen	50.0	51.3	102.68	80-120
39	Carbon Tetrachlori	50.0	54.6	109.25	80-120
46	1,2-Dichloroethane	50.0	50.2	100.44	80-120
44	Benzene	50.0	49.2	98.32	80-120
49	Trichloroethene	50.0	51.7	103.46	80-120
51	1,2-Dichloropropan	50.0	49.3	98.54	80-120
52	Dibromomethane	50.0	49.8	99.62	80-120
54	Bromodichlorometha	50.0	50.6	101.21	80-120
56	2-Chloroethyl viny	50.0	50.3	100.55	80-120

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
57	cis-1,3-Dichloropr	50.0	51.4	102.74	80-120
58	4-methyl-2-pentano	50.0	49.0	98.06	80-120
60	Toluene +	50.0	51.2	102.40	80-120
61	trans-1,3-Dichloro	50.0	50.7	101.31	80-120
64	1,1,2-Trichloroeth	50.0	49.8	99.59	80-120
66	1,3-Dichloropropan	50.0	50.5	101.06	80-120
65	Tetrachloroethene	50.0	52.9	105.79	80-120
67	2-Hexanone	50.0	51.9	103.79	80-120
68	Dibromochlorometha	50.0	52.0	103.97	80-120
69	1,2-Dibromoethane (	50.0	48.4	96.85	80-120
71	Chlorobenzene ++	50.0	51.3	102.67	80-120
73	1,1,1,2-Tetrachlor	50.0	51.8	103.64	80-120
72	Ethylbenzene +	50.0	59.0	117.97	80-120
74	p,m-Xylene	100	102	101.80	80-120
75	o-Xylene	50.0	51.9	103.88	80-120
76	Styrene	50.0	52.3	104.65	80-120
77	Bromoform ++	50.0	51.6	103.11	80-120
78	Isopropylbenzene	50.0	49.8	99.57	80-120
80	1,1,2,2-Tetrachlor	50.0	45.5	91.03	80-120
82	trans-1,4-Dichloro	50.0	49.1	98.17	80-120
84	1,2,3-Trichloropro	50.0	49.6	99.10	80-120
83	Bromobenzene	50.0	49.0	97.99	80-120
85	n-Propylbenzene	50.0	50.6	101.13	80-120
86	2-Chlorotoluene	50.0	46.7	93.33	80-120
87	1,3,5-Trimethylben	50.0	50.2	100.32	80-120
89	4-Chlorotoluene	50.0	49.2	98.31	80-120
90	tert-butylbenzene	50.0	49.4	98.77	80-120
92	1,2,4-Trimethylben	50.0	49.8	99.65	80-120
93	sec-Butylbenzene	50.0	51.1	102.28	80-120
91	p-Isopropyltoluene	50.0	52.0	104.02	80-120
95	1,3-Dichlorobenzen	50.0	52.4	104.71	80-120
97	1,4-Dichlorobenzen	50.0	48.6	97.20	80-120
101	1,2-Dichlorobenzen	50.0	49.5	99.08	80-120
99	n-Butylbenzene	50.0	49.6	99.21	80-120
105	1,2-Dibromo-3-Chlo	50.0	47.2	94.34	80-120
107	1,2,4-Trichloroben	50.0	52.2	104.36	80-120
108	Hexachlorobutadien	50.0	42.7	85.46	80-120
109	Naphthalene	50.0	48.0	95.91	80-120
110	1,2,3-Trichloroben	50.0	50.8	101.70	80-120

SURROGATE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 36	Dibromofluorometha	50.0	48.5	97.05	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 43 1,2-Dichloroethane	50.0	46.7	93.35	76-128
$ 59 Toluene-d8	50.0	49.1	98.13	83-112
$ 79 Bromofluorobenzene	50.0	45.7	91.45	78-115

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID (Standard): 2031121/D0991

Date Analyzed: 11/21/03

Instrument ID: MSV5

Time: 1137

GC Column: DB-624-30M ID: .53 (mm)

Heated Purge: (Y/N) N

Analytical Batch: 265755

	IS 1 Area	RT	IS 2 Area	RT	IS 3 Area	RT
12 HOUR STD	334613	8.781	845332	6.466	294012	10.37

EPA Sample		#		#		#		#		#		#
1 . LCS131588	353758		8.78		884877		6.47		297724		10.38	
2 . MB131589	306807		8.78		760409		6.47		234450		10.38	
3 . 05-4911B111803	283154		8.79		693360		6.48		216017		10.39	
4 . 05-49-11C111803	299315		8.79		727361		6.48		229415		10.39	

IS 1 ID : Chlorobenzene-d5

IS 2 ID : Fluorobenzene

IS 3 ID : 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RTLOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

* Value outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID (Standard): 2031123/S5289

Date Analyzed: 11/23/03

Instrument ID: MSV1

Time: 1249

GC Column: DB-624-30M ID: .53 (mm)

Heated Purge: (Y/N) N

Analytical Batch: 265889

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
12 HOUR STD	743180		8.115		1466488		6.023		693403		10.23	
EPA Sample		#		#		#		#		#		#
1. LCS132079	771063		8.12		1573575		6.01		726487		10.24	
2. MB132080	751733		8.11		1540227		6.03		726085		10.23	
3. 05-49TB111803	728460		8.09		1504741		6.02		702736		10.22	

IS 1 ID : Chlorobenzene-d5
IS 2 ID : Fluorobenzene
IS 3 ID : 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RTLOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC limits

ZERO HEADSPACE TCLP EXTRACTIONS

DATE: 11/20/3 BATCH # 265815 ANALYST: JPA

Sample Number:	2031191801	2031191802	2031190401	2031200802	1120ZB1k		
Sample Description	solid	solid	solid	solid			
Client	ChamHill	Chdm	[redacted]		MB		
Sample Extractor	B	⊗	AB	⊗	A-1		
1.VISUAL SAMPLE EVALUATION							
100% solid (Proceed to 3) (√)	√	√	√	√			
Sample is <0.5% Solid (√)							
Sample is >0.5% and <100% solid (√)							
2. FILTRATION-ZHE*							
Subsample Weight (g)							
Tedlar Bag Weight (g)							
Weight of Filtrate = (Tedlar Bag + Filtrate) - Tedlar Bag Weight (g)							
Weight of Solid = Subsample Weight - Weight of Filtrate (g)							
% Solid = (Weight of Solid / Subsample Weight) x 100							
3.ZHE EXTRACTION**		√					
Particle Size Reduced (9.5mm max.) (√)	√		√	√			
Sample Weight (solid) (g)	25	25	25	25			
Amount of Fluid Needed = 20 x Sample Weight (g)	500	500	500	500	500		
4. TCLP ROTATION (Rotate for 18 ± 2 hours at 23 ± 2°C and 30 ± 2 rpm)							
Start Time	1700	1700	1700	1700	1700		
Stop Time	900	900	900	900	900		
5. FINAL TCLP EXTRACT							
Volume Extract Obtained in Step 3 V1	40ml	40ml	40ml	40ml	40ml		
Volume Compatible Filtrate from Step 2 V2							
Volume Non-Compatible Filtrate from Step 2 V3							
Compatible Phase Ratio= (V1+V2) ÷ (V1+V2+V3)							
Non-Compatible Phase Ratio= (V3) ÷ (V1+V2+V3)							

* If sample is <0.5 %FS; or <0.5 %DS; Filter fresh sample using ZHE, collect filtrate and skip to 5. If sample is multiphase, filter 25g of sample.

**If sample is 100% solid, charge ZHE with 25 g sample and 500 mL fluid

EXTRACTION FLUID #1 pH and ID: 131-34-3

Temperature: Minimum °C 17.5 Maximum °C 24.0

Secondary Review: SKB

000053

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Soil

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: 12 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: 05-4911B111803

Contract:

Lab File ID: 2031121/A9818

Lab Sample ID: 20311191801

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 0941

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Soil

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: 37 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: 05-49-11C111803

Contract:

Lab File ID: 2031121/A9821

Lab Sample ID: 20311191802

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1044

Dilution Factor: 1 Analyst: RLW

Prep Method: 1311/3510

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: MB131625

Contract:

Lab File ID: 2031121/A9814

Lab Sample ID: 131625

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 0817

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.050	U	0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.050	U	0.00080	0.050
1319-77-3	Cresols	0.100	U	0.003	0.100
118-74-1	Hexachlorobenzene	0.050	U	0.001	0.050
87-68-3	Hexachlorobutadiene	0.050	U	0.00050	0.050
67-72-1	Hexachloroethane	0.050	U	0.00050	0.050
98-95-3	Nitrobenzene	0.050	U	0.002	0.050
87-86-5	Pentachlorophenol	0.100	U	0.005	0.100
110-86-1	Pyridine	0.050	U	0.001	0.050
1319-77-3M	m,p-Cresol	0.050	U	0.00050	0.050
95-48-7	o-Cresol	0.050	U	0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: LCS131626

Contract:

Lab File ID: 2031121/A9815

Lab Sample ID: 131626

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 0838

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.055		0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.094		0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.085		0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.124		0.00080	0.050
1319-77-3	Cresols	0.073	J	0.003	0.100
118-74-1	Hexachlorobenzene	0.080		0.001	0.050
87-68-3	Hexachlorobutadiene	0.054		0.00050	0.050
67-72-1	Hexachloroethane	0.049	J	0.00050	0.050
98-95-3	Nitrobenzene	0.086		0.002	0.050
87-86-5	Pentachlorophenol	0.081	J	0.005	0.100
110-86-1	Pyridine	0.037	J	0.001	0.050
1319-77-3M	m,p-Cresol	0.072		0.00050	0.050
95-48-7	o-Cresol	0.075		0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: LCSD131627

Contract:

Lab File ID: 2031121/A9816

Lab Sample ID: 131627

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 0859

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

CONCENTRATION UNITS: mg/L

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.056		0.005	0.050
95-95-4	2,4,5-Trichlorophenol	0.091		0.00060	0.050
88-06-2	2,4,6-Trichlorophenol	0.086		0.001	0.050
121-14-2	2,4-Dinitrotoluene	0.120		0.00080	0.050
1319-77-3	Cresols	0.074	J	0.003	0.100
118-74-1	Hexachlorobenzene	0.084		0.001	0.050
87-68-3	Hexachlorobutadiene	0.056		0.00050	0.050
67-72-1	Hexachloroethane	0.052		0.00050	0.050
98-95-3	Nitrobenzene	0.089		0.002	0.050
87-86-5	Pentachlorophenol	0.085	J	0.005	0.100
110-86-1	Pyridine	0.032	J	0.001	0.050
1319-77-3M	m,p-Cresol	0.072		0.00050	0.050
95-48-7	o-Cresol	0.075		0.003	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Soil

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: 05-4911B111803MS

Contract:

Lab File ID: 2031121/A9819

Lab Sample ID: 131628

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1002

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.300		0.026	0.284
95-95-4	2,4,5-Trichlorophenol	0.562		0.003	0.284
88-06-2	2,4,6-Trichlorophenol	0.508		0.007	0.284
121-14-2	2,4-Dinitrotoluene	0.698		0.005	0.284
1319-77-3	Cresols	0.427	J	0.017	0.569
118-74-1	Hexachlorobenzene	0.466		0.008	0.284
87-68-3	Hexachlorobutadiene	0.295		0.003	0.284
67-72-1	Hexachloroethane	0.271	J	0.003	0.284
98-95-3	Nitrobenzene	0.502		0.011	0.284
87-86-5	Pentachlorophenol	0.519	J	0.026	0.569
110-86-1	Pyridine	0.202	J	0.008	0.284
1319-77-3M	m,p-Cresol	0.423		0.003	0.284
95-48-7	o-Cresol	0.431		0.014	0.284

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Matrix: Soil

Sample wt/vol: 200 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .53 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: 05-4911B111803MSD

Contract:

Lab File ID: 2031121/A9820

Lab Sample ID: 131629

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1023

Dilution Factor: 1 Analyst: RLW

Prep Method: 3510C

Analytical Method: 1311/8270C

Instrument ID: MSSV1

Prep Batch: 265762 Analytical Batch: 265824

CAS NO.	COMPOUND	RESULT	Q	MDL	PQL
106-46-7	1,4-Dichlorobenzene	0.332		0.026	0.284
95-95-4	2,4,5-Trichlorophenol	0.547		0.003	0.284
88-06-2	2,4,6-Trichlorophenol	0.516		0.007	0.284
121-14-2	2,4-Dinitrotoluene	0.735		0.005	0.284
1319-77-3	Cresols	0.437	J	0.017	0.569
118-74-1	Hexachlorobenzene	0.485		0.008	0.284
87-68-3	Hexachlorobutadiene	0.324		0.003	0.284
67-72-1	Hexachloroethane	0.296		0.003	0.284
98-95-3	Nitrobenzene	0.525		0.011	0.284
87-86-5	Pentachlorophenol	0.557	J	0.026	0.569
110-86-1	Pyridine	0.139	J	0.008	0.284
1319-77-3M	m,p-Cresol	0.430		0.003	0.284
95-48-7	o-Cresol	0.444		0.014	0.284

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 2 Case No.: SAS No.: SDG No.: 203111918

Method: 1311/8270C Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	LCS131626	93		92		102		37		46		109		0
2.	LCSD131627	96		94		104		38		46		103		0
3.	MB131625	89		92		95		38		47		109		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 2 Case No.: SAS No.: SDG No.: 203111918

Method: 1311/8270C Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	05-4911B111803	94		94		95		37		45		111		0
2.	05-49-11C111803	91		90		96		39		47		112		0
3.	05-4911B111803MS	94		93		100		38		47		112		0
4.	05-4911B111803MSD	99		95		102		40		49		116		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: 1311/8270C

Prep Batch: 265762 Analytical Batch.: 265824

Spike HSN : 131626

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.1	0	.055	55		22 - 104
2,4,5-Trichlorophenol	mg/L	.1	0	.094	94		60 - 116
2,4,6-Trichlorophenol	mg/L	.1	0	.085	85		59 - 115
2,4-Dinitrotoluene	mg/L	.1	0	.124	124		37 - 138
Hexachlorobenzene	mg/L	.1	0	.08	80		61 - 112
Hexachlorobutadiene	mg/L	.1	0	.054	54		17 - 105
Hexachloroethane	mg/L	.1	0	.049	49		21 - 130
Nitrobenzene	mg/L	.1	0	.086	86		53 - 113
Pentachlorophenol	mg/L	.1	0	.081	81		25 - 158
Pyridine	mg/L	.1	0	.037	37		2 - 130
m,p-Cresol	mg/L	.1	0	.072	72		24 - 104
o-Cresol	mg/L	.1	0	.075	75		31 - 110

Spike Dupe HSN : 131627

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,4-Dichlorobenzene	mg/L	.1	.056	56		2		22 - 104	0 - 30
2,4,5-Trichlorophenol	mg/L	.1	.091	91		3		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.086	86		1		59 - 115	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.12	120		3		37 - 138	0 - 33
Hexachlorobenzene	mg/L	.1	.084	84		5		61 - 112	0 - 50
Hexachlorobutadiene	mg/L	.1	.056	56		4		17 - 105	0 - 50
Hexachloroethane	mg/L	.1	.052	52		6		21 - 130	0 - 50
Nitrobenzene	mg/L	.1	.089	89		3		53 - 113	0 - 50
Pentachlorophenol	mg/L	.1	.085	85		5		25 - 158	0 - 32
Pyridine	mg/L	.1	.032	32		14		2 - 130	0 - 50
m,p-Cresol	mg/L	.1	.072	72		0		24 - 104	0 - 50
o-Cresol	mg/L	.1	.075	75		0		31 - 110	0 - 50

RPD : 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL
Sample ID: 05-4911B111803
Lab Code: LA024
Case No.:
SAS No.:
SDG No.: 203111918
Contract:
Method: 1311/8270C

Spike HSN : 131628

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
1,4-Dichlorobenzene	mg/L	.5	0	.264	53		22 - 104
2,4,5-Trichlorophenol	mg/L	.5	0	.494	99		60 - 116
2,4,6-Trichlorophenol	mg/L	.5	0	.447	89		59 - 115
2,4-Dinitrotoluene	mg/L	.5	0	.614	123		37 - 138
Hexachlorobenzene	mg/L	.5	0	.41	82		61 - 112
Hexachlorobutadiene	mg/L	.5	0	.259	52		17 - 105
Hexachloroethane	mg/L	.5	0	.238	48		21 - 130
Nitrobenzene	mg/L	.5	0	.441	88		53 - 113
Pentachlorophenol	mg/L	.5	0	.456	91		25 - 158
Pyridine	mg/L	.5	0	.178	36		2 - 75
m,p-Cresol	mg/L	.5	0	.372	74		24 - 104
o-Cresol	mg/L	.5	0	.379	76		31 - 110

Spike Dupe HSN : 131629

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,4-Dichlorobenzene	mg/L	.5	.292	58		10		22 - 104	0 - 30
2,4,5-Trichlorophenol	mg/L	.5	.481	96		3		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.5	.454	91		2		59 - 115	0 - 50
2,4-Dinitrotoluene	mg/L	.5	.646	129		5		37 - 138	0 - 33
Hexachlorobenzene	mg/L	.5	.426	85		4		61 - 112	0 - 50
Hexachlorobutadiene	mg/L	.5	.285	57		10		17 - 105	0 - 50
Hexachloroethane	mg/L	.5	.26	52		9		21 - 130	0 - 50
Nitrobenzene	mg/L	.5	.462	92		5		53 - 113	0 - 50
Pentachlorophenol	mg/L	.5	.49	98		7		25 - 158	0 - 32
Pyridine	mg/L	.5	.122	24		37		2 - 75	0 - 50
m,p-Cresol	mg/L	.5	.378	76		2		24 - 104	0 - 50
o-Cresol	mg/L	.5	.39	78		3		31 - 110	0 - 50

RPD : 0 out of 12 outside limits
Spike Recovery: 0 out of 24 outside limits

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab File ID: 2031121/A9814

GC Column: RTX-5MS-30 ID: .53 (mm)

Instrument ID: MSSV1 Matrix: Water

Level: LOW

Sample ID: MB131625

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131625 Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 0817

Method: 1311/8270C

Prep Batch: 265762 Analytical Batch: 265824

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS131626	131626	2031121/A9815	11/21/03	0838
2.	LCSD131627	131627	2031121/A9816	11/21/03	0859
3.	05-4911B111803	20311191801	2031121/A9818	11/21/03	0941
4.	05-4911B111803MS	131628	2031121/A9819	11/21/03	1002
5.	05-4911B111803MSD	131629	2031121/A9820	11/21/03	1023
6.	05-49-11C111803	20311191802	2031121/A9821	11/21/03	1044

FORM IV SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031119P/A9780

DFTPP Injection Date 11/19/03 Time: 1635

GC Column: RTX-5MS-30 ID: .53 (mm)

Analytical Batch: 265716

Instrument ID: MSSV1

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	32.04 ( ) ( )
68	Less thab 2% of mass 69	0 (0) (1)
69	Mass 69 relative abundance	51.87 ( ) ( )
70	Less than 2.0% of mass 69	.24 (.48) (1)
127	40.0-60.0% of mass 198	42.35 ( ) ( )
197	Less than 1.0% of mass 198	0 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.41 ( ) ( )
275	10.0-30.0% of mass 198	23.21 ( ) ( )
365	Greater than 1.0% of mass 198	2.67 ( ) ( )
441	Present, but less than mass 443	9.78 ( ) ( )
442	40.0-100.0% of mass 198	58.7 ( ) ( )
443	17.0-23.0% of mass 442	11.06 (18.85) (2)

(1)-Value is % mass 69 (2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	SSTD050	1202	2031119P/A9781	11/19/03	1656
2.	SSTD010	1201	2031119P/A9782	11/19/03	1716
3.	SSTD080	1203	2031119P/A9783	11/19/03	1737
4.	SSTD120	1204	2031119P/A9784	11/19/03	1758
5.	SSTD160	1205	2031119P/A9785	11/19/03	1819
6.	SSTD200	1206	2031119P/A9786	11/19/03	1840
7.	APP9050	1400	2031119P/A9788	11/19/03	1921
8.	APQ040	1400	2031119P/A9789	11/19/03	1942

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID: 2031121/A9812

DFTPP Injection Date 11/21/03 Time: 0716

GC Column: RTX-5MS-30 ID: .53 (mm)

Analytical Batch: 265824

Instrument ID: MSSV1

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	30.47 ( ) ( )
68	Less thab 2% of mass 69	0 (0) (1)
69	Mass 69 relative abundance	49.86 ( ) ( )
70	Less than 2.0% of mass 69	.26 (.53) (1)
127	40.0-60.0% of mass 198	42.31 ( ) ( )
197	Less than 1.0% of mass 198	0 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.66 ( ) ( )
275	10.0-30.0% of mass 198	23.95 ( ) ( )
365	Greater than 1.0% of mass 198	2.52 ( ) ( )
441	Present, but less than mass 443	10.4 ( ) ( )
442	40.0-100.0% of mass 198	61.83 ( ) ( )
443	17.0-23.0% of mass 442	11.58 (18.74) (2)

(1)-Value is % mass 69 (2)-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	SSTD050	1400	2031121/A9813	11/21/03	0756
2.	MB131625	131625	2031121/A9814	11/21/03	0817
3.	LCS131626	131626	2031121/A9815	11/21/03	0838
4.	LCSD131627	131627	2031121/A9816	11/21/03	0859
5.	05-4911B111803	20311191801	2031121/A9818	11/21/03	0941
6.	05-4911B111803MS	131628	2031121/A9819	11/21/03	1002
7.	05-4911B111803MSD	131629	2031121/A9820	11/21/03	1023
8.	05-49-11C111803	20311191802	2031121/A9821	11/21/03	1044

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Calibration Date 2: 11/19/03 Time 2: 1840

Method: 1311/8270C

Analytical Batch: 264563

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	RF 8	RF 9	$\overline{RRF}$	RSD	#	Type
Acenaphthylene	1.961	1.976	1.892	1.739	1.683	1.587				1.807	8.854		Averaged
Anthracene	1.196	1.222	1.184	1.132	1.111	1.081				1.154	4.726		Averaged
Benzo(a)anthracene	1.248	1.332	1.360	1.273	1.300	1.268	1.181	1.063		1.253	7.493		Averaged
Benzidine		0.301	0.247	0.181	0.186	0.173				0.218	25.23		Averaged
Benzo(b)fluoranthene	1.532	1.694	1.565	1.571	1.656	1.669	1.156	1.088		1.491	15.79		Averaged
Benzo(k)fluoranthene	1.692	1.629	1.725	1.610	1.470	1.415	1.379	1.241		1.520	11.18		Averaged
Benzo(g,h,i)perylene	2.060	2.339	2.361	2.384	2.453	2.365	1.801	2.193		2.245	9.719		Averaged
Benzo(a)pyrene	1.692	1.629	1.725	1.610	1.470	1.415	1.238	0.948		1.447	16.38		Averaged
Benzoic acid		0.176	0.183	0.176	0.179	0.174				0.178	2.044		Averaged
Butylbenzylphthalate	0.524	0.554	0.545	0.538	0.533	0.548				0.540	1.984		Averaged
Bis(2-Chloroethoxy)methane	0.576	0.603	0.581	0.547	0.523	0.533				0.561	5.530		Averaged
Bis(2-Chloroethyl)ether	1.372	1.423	1.328	1.233	1.172	1.224	1.384			1.305	7.308		Averaged
bis(2-Chloroisopropyl)ether	1.781	1.823	1.701	1.609	1.528	1.589				1.672	6.935		Averaged
bis(2-ethylhexyl)phthalate	0.717	0.731	0.741	0.706	0.667	0.671	0.528			0.680	10.69		Averaged
4-Bromophenyl-phenylether	0.227	0.255	0.248	0.244	0.244	0.235				0.242	4.140		Averaged
Carbazole	1.076	1.120	1.095	1.032	1.033	1.060	1.027			1.063	3.362		Averaged
4-Chlorophenyl-phenylether	0.601	0.601	0.588	0.534	0.540	0.528				0.565	6.160		Averaged
Chrysene	1.172	1.291	1.293	1.267	1.282	1.276	1.174			1.251	4.299		Averaged
Dibenz(a,h)anthracene	1.777	1.967	1.946	1.958	1.978	1.907	1.580	1.492		1.826	10.47		Averaged
Dibenzofuran	1.582	1.631	1.571	1.452	1.416	1.384				1.506	6.751		Averaged
1,2-Dichlorobenzene	1.536	1.609	1.537	1.437	1.408	1.432				1.493	5.311		Averaged
1,3-Dichlorobenzene	1.616	1.715	1.634	1.542	1.517	1.531				1.593	4.812		Averaged
3,3'-Dichlorobenzidine	0.411	0.463	0.458	0.440	0.428	0.393				0.432	6.248		Averaged
2,4-Dichlorophenol	0.295	0.308	0.292	0.273	0.267	0.271	0.239	0.140		0.261	20.29		Averaged
Diethylphthalate	0.904	0.953	0.982	0.871	0.889	0.925				0.921	4.504		Averaged
2,4-Dimethylphenol	0.438	0.448	0.431	0.402	0.391	0.394				0.417	5.847		Averaged
Dimethyl-phthalate	1.019	1.101	1.104	1.021	1.021	1.034				1.050	3.893		Averaged
Di-n-octylphthalate	1.343	1.469	1.525	1.483	1.465	1.452				1.456	4.178		Averaged
2,4-Dinitrophenol	0.076	0.144	0.153	0.146	0.156	0.170				0.141	23.56		Averaged
2,6-Dinitrotoluene	0.239	0.271	0.270	0.247	0.245	0.253	0.203	0.126		0.232	20.57		Averaged
Fluoranthene	1.019	1.121	1.129	1.094	1.109	1.154				1.104	4.201		Averaged
Fluorene	1.253	1.235	1.196	1.072	1.036	1.017				1.135	9.294		Averaged
Hexachlorobenzene	0.257	0.273	0.271	0.268	0.264	0.253	0.227			0.259	6.104		Averaged
Hexachlorobutadiene	0.254	0.263	0.261	0.244	0.242	0.237	0.249	0.256		0.251	3.707		Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Calibration Date 2: 11/19/03 Time 2: 1840

Method: 1311/8270C

Analytical Batch: 264563

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	RF 8	RF 9	$\overline{RRF}$	RSD	#	Type
Hexachlorocyclopentadiene	0.081	0.316	0.338	0.395	0.437	0.402				0.328	39.22		Averaged
Hexachloroethane	0.643	0.680	0.654	0.604	0.576	0.566	0.698			0.632	8.046		Averaged
Isophorone	0.867	0.912	0.908	0.857	0.869	0.901				0.886	2.709		Averaged
Indeno(1,2,3-cd)pyrene	2.060	2.339	2.361	2.384	2.453	2.365	1.933	2.057		2.244	8.688		Averaged
2-Methylnaphthalene	0.710	0.682	0.649	0.588	0.564	0.576				0.628	9.677		Averaged
o-Cresol	1.371	1.434	1.322	1.276	1.241	1.309				1.325	5.197		Averaged
Naphthalene	1.127	1.097	1.045	0.947	0.870	0.868				0.992	11.44		Averaged
Nitrobenzene	0.550	0.575	0.556	0.527	0.517	0.518	0.562			0.544	4.232		Averaged
2-Nitrophenol	0.186	0.208	0.196	0.192	0.186	0.189				0.193	4.459		Averaged
N-Nitrosodimethylamine	0.501	0.453	0.407	0.435	0.463	0.526				0.464	9.387		Averaged
N-Nitrosodiphenylamine	0.573	0.591	0.575	0.550	0.548	0.505	0.554			0.556	4.983		Averaged
Phenanthrene	1.204	1.204	1.179	1.118	1.099	1.066				1.145	5.108		Averaged
2,4,5-Trichlorophenol	0.387	0.397	0.390	0.368	0.359	0.349	0.203			0.350	19.23		Averaged
2,4,6-Trichlorophenol	0.367	0.420	0.407	0.389	0.385	0.372	0.191			0.362	21.39		Averaged
Benzyl alcohol	0.835	0.954	0.908	0.879	0.862	0.905				0.891	4.622		Averaged
Pentachloroethane	0.588	0.598	0.609	0.580	0.575					0.590	2.329		Averaged
o-Toluidine	2.486	2.251	2.182	1.892	1.769					2.116	13.57		Averaged
Aniline	1.848	1.894	1.799	1.825	1.896	2.001				1.877	3.811		Averaged
Pentachlorobenzene	0.485	0.515	0.501	0.485	0.483					0.494	2.788		Averaged
Pyridine	1.536	1.537	1.493	1.571	1.768	1.841				1.624	8.837		Averaged
Caprolactam	0.062	0.072	0.081	0.070	0.066	0.075				0.071	9.254		Averaged
Dicyclopentadiene	5.439	5.202	5.053	4.983	4.713					5.078	5.291		Averaged
Acetophenone	2.019	2.051	1.952	1.862	1.785	1.902				1.928	5.162		Averaged
2-Acetylaminofluorene	0.367	0.552	0.571	0.549	0.602					0.528	17.55		Averaged
4-Aminobiphenyl	0.754	0.840	0.827	0.797	0.778					0.799	4.397		Averaged
Aramite	0.047	0.063	0.061	0.064	0.064					0.060	11.83		Averaged
Chlorobenzilate	0.288	0.349	0.348	0.349	0.355					0.338	8.355		Averaged
Diallate (Avadex)	0.086	0.095	0.099	0.092	0.094					0.093	5.077		Averaged
p-Dimethylaminoazobenzene	0.312	0.395	0.400	0.386	0.387					0.376	9.635		Averaged
7,12-Dimethylbenz(a)anthrace	0.574	0.704	0.703	0.685	0.690					0.671	8.152		Averaged
3,3'-Dimethylbenzidine	0.622	0.726	0.717	0.642	0.637					0.669	7.282		Averaged
Acrylamide	0.334	0.356	0.363	0.384	0.377					0.363	5.366		Averaged
3-Nitroaniline	0.284	0.292	0.286	0.247	0.242	0.264				0.269	7.836		Averaged
4-Nitroaniline	0.253	0.255	0.262	0.229	0.231	0.264				0.249	6.164		Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Calibration Date 2: 11/19/03 Time 2: 1840

Method: 1311/8270C

Analytical Batch: 264563

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	RF 8	RF 9	$\overline{RRF}$	RSD	#	Type
a,a-Dimethylphenethylamine	0.818	0.683	0.719	0.769	0.437					0.685	21.57		Averaged
Dimethoate	0.370	0.433	0.443	0.438	0.426					0.422	7.048		Averaged
Disulfoton	0.575	0.590	0.609	0.583	0.581					0.588	2.235		Averaged
1,3-Dinitrobenzene	0.142	0.190	0.191	0.198	0.201					0.185	13.02		Averaged
1,4-Dinitrobenzene	0.217	0.223	0.276	0.287	0.291					0.259	13.86		Averaged
Famphur	0.338	0.281	0.213	0.129	0.082					0.209	50.32	*	Averaged
Ethyl methanesulfonate	1.456	1.564	1.610	1.597	1.611					1.567	4.160		Averaged
Hexachloropropene	0.211	0.241	0.240	0.239	0.238					0.234	5.576		Averaged
Isodrin	0.113	0.124	0.129	0.130	0.128					0.125	5.491		Averaged
Isosafrole	0.584	0.589	0.569	0.546	0.538					0.565	3.988		Averaged
Kepone	0.043	0.053	0.068	0.069	0.061					0.059	18.85		Averaged
Methyl parathion	0.226	0.295	0.303	0.307	0.299					0.286	11.84		Averaged
Methapyriline	0.337	0.366	0.371	0.366	0.287					0.345	10.20		Averaged
Phorate	0.712	0.792	0.812	0.786	0.769					0.774	4.923		Averaged
3-Methylcholanthrene	0.662	0.817	0.821	0.814	0.837					0.790	9.147		Averaged
Methylmethanesulfonate	0.931	1.005	1.042	1.031	1.040					1.010	4.590		Averaged
Phthalic Acid	0.106	0.120	0.134	0.132	0.133					0.125	9.551		Averaged
1,4-Naphthoquinone	0.254	0.354	0.349	0.340	0.341					0.328	12.73		Averaged
Tris(2,3-dibromopropyl)	0.020	0.030	0.047	0.046	0.056					0.040	36.43		Averaged
1-Naphthylamine	0.999	1.053	1.019	0.964	0.910					0.989	5.534		Averaged
4,4'-Methylenebis(2-cloroanlil	0.174	0.192	0.193	0.205	0.218					0.196	8.446		Averaged
2-Naphthylamine	0.825	0.880	0.856	0.802	0.773					0.827	5.113		Averaged
4-Nitroquinoline-1-oxide	0.037	0.026	0.030	0.016	0.019					0.026	32.17		Averaged
N-Nitrosodibutylamine	0.294	0.316	0.308	0.315	0.320					0.311	3.343		Averaged
N-Nitrosodiethylamine	0.771	0.883	0.904	0.886	0.918					0.872	6.677		Averaged
N-Nitrosomethylethylamine	0.940	1.013	1.006	1.007	1.029					0.999	3.428		Averaged
n-Nitroso morpholine	0.736	0.680	0.682	0.642	0.619					0.672	6.655		Averaged
N-Nitrosopiperidine	0.206	0.224	0.217	0.214	0.214					0.215	3.028		Averaged
N-Nitrosopyrrolidine	0.510	0.508	0.519	0.527	0.530					0.519	1.891		Averaged
1,2,4,5-Tetrachlorobenzene	0.319	0.333	0.321	0.316	0.309					0.320	2.719		Averaged
5-Nitro-o-toluidine	0.265	0.304	0.299	0.291	0.280					0.288	5.378		Averaged
Parathion	0.126	0.175	0.185	0.187	0.184					0.172	14.95		Averaged
Pentachloronitrobenzene(PCN	0.082	0.097	0.098	0.099	0.103					0.096	8.194		Averaged
Phenacetin	0.357	0.448	0.457	0.457	0.445					0.433	9.915		Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Calibration Date 2: 11/19/03 Time 2: 1840

Method: 1311/8270C

Analytical Batch: 264563

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	RF 8	RF 9	$\overline{RRF}$	RSD	#	Type
p-Phenylenediamine	0.116	0.133	0.161	0.143	0.127					0.136	12.49		Averaged
2-Picoline	1.749	2.074	2.216	2.306	2.129					2.095	10.14		Averaged
Di-n-butylphthalate	0.868	0.998	1.023	0.985	0.993	1.038				0.984	6.109		Averaged
Pronamide	0.288	0.321	0.328	0.325	0.325					0.317	5.265		Averaged
1,2 Diphenylhydrazine	1.369	1.428	1.349	1.319	1.359	1.250				1.346	4.380		Averaged
Safrole	1.165	1.207	1.162	1.074	1.042					1.130	6.100		Averaged
Sulfotep	0.148	0.156	0.162	0.162	0.166					0.159	4.317		Averaged
Thionazine	0.025	0.025	0.024	0.026	0.025					0.025	3.218		Averaged
2-Nitroaniline	0.375	0.417	0.416	0.389	0.386	0.386				0.395	4.401		Averaged
0,0,0-Triethylphosphorothioate	0.184	0.185	0.184	0.175	0.176					0.181	2.713		Averaged
2-Chloronaphthalene	1.181	1.231	1.185	1.122	1.119	1.048				1.148	5.629		Averaged
4-Chloroaniline	0.451	0.425	0.409	0.350	0.318	0.316				0.378	15.31		Averaged
1,3,5-Trinitrobenzene	0.037	0.069	0.071	0.076	0.081					0.067	26.03		Averaged
2,3,4,6-Tetrachlorophenol	0.186	0.259	0.264	0.272	0.280					0.252	15.07		Averaged
2,6-Dichlorophenol	0.584	0.589	0.569	0.546	0.538					0.565	3.988		Averaged
Dinoseb	0.084	0.151	0.166	0.183	0.191					0.155	27.39		Averaged
Atrazine (Aatrex)	0.147	0.173	0.183	0.179	0.182	0.193				0.176	8.921		Averaged
Benzaldehyde	0.533	0.559	0.534	0.515	0.509	0.534				0.531	3.306		Averaged
Biphenyl	0.564	0.531	0.505	0.456	0.431	0.461				0.491	10.32		Averaged
Cresols	2.787	2.833	2.652	2.507	2.407	2.555				2.623	6.296		Averaged
m,p-Cresol	1.416	1.399	1.330	1.231	1.166	1.246				1.298	7.675		Averaged
2-Methyl-4,6-dinitrophenol	0.097	0.149	0.149	0.151	0.153	0.154				0.142	15.53		Averaged
1-Methylnaphthalene	0.645	0.616	0.580	0.529	0.503	0.520				0.565	10.15		Averaged
Phenol	2.126	2.146	2.028	1.841	1.753	1.822				1.953	8.656		Averaged
2-Chlorophenol	1.308	1.359	1.282	1.206	1.174	1.217				1.258	5.584		Averaged
1,4-Dichlorobenzene	1.594	1.645	1.599	1.510	1.483	1.496				1.554	4.295		Averaged
N-Nitroso-di-n-propylamine	1.225	1.266	1.196	1.070	0.925	1.001	1.377			1.151	13.80		Averaged
1,2,4-Trichlorobenzene	0.373	0.381	0.362	0.346	0.340	0.334				0.356	5.360		Averaged
4-Chloro-3-methylphenol	0.301	0.303	0.298	0.276	0.270	0.287				0.289	4.782		Averaged
Acenaphthene	1.180	1.206	1.161	1.073	1.051	1.007				1.113	7.220		Averaged
4-Nitrophenol	0.102	0.115	0.118	0.105	0.110	0.127				0.113	7.990		Averaged
2,4-Dinitrotoluene	0.279	0.324	0.323	0.287	0.289	0.311	0.149	0.128		0.261	29.75		Averaged
Pentachlorophenol	0.094	0.137	0.136	0.134	0.134	0.146				0.130	14.05		Averaged
Pyrene	1.628	1.629	1.466	1.413	1.264	1.248				1.441	11.62		Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Calibration Date 2: 11/19/03 Time 2: 1840

Method: 1311/8270C

Analytical Batch: 264563

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6: 1206

Level 7: 1207 Level 8: 1208 Level 9:

COMPOUND	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	RF 8	RF 9	$\overline{RRF}$	RSD	#	Type
Nitrobenzene-d5	0.532	0.571	0.556	0.532	0.531	0.527				0.542	3.308		Averaged
2-Fluorobiphenyl	1.416	1.462	1.389	1.307	1.288	1.203				1.344	7.108		Averaged
Terphenyl-d14	0.981	1.031	0.953	0.910	0.833	0.857				0.927	8.124		Averaged
Phenol-d5	1.992	1.996	1.883	1.756	1.625	1.701				1.826	8.509		Averaged
2-Fluorophenol	1.561	1.711	1.659	1.582	1.576	1.587				1.613	3.662		Averaged
2,4,6-Tribromophenol	0.144	0.153	0.152	0.141	0.139	0.154				0.147	4.440		Averaged

Column used to indicate that the required RRF or %RSD values is outside of QC limits

* Indicates that the compound is outside of the required minimum RRF and maximum %RSD values.

Data File: /var/chem/MSSV1.i/2031119p.s.b/a9787.d
Report Date: 20-Nov-2003 09:50

Gulf Coast Analytical Laboratories, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV050
Level: LOW
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: ICV.sub
Method File: /var/chem/MSSV1.i/2031119p.s.b/8270CE_01.m
Misc Info: ICV050

Client SDG: 2031119p.s
Fraction: SV
Client Smp ID: ICV050
Operator: rlw
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	n-Nitrosodimethyla	50.0	47.8	95.65	80-120
2	Pyridine	50.0	45.7	91.44	80-120
6	Phenol +	50.0	51.9	103.81	80-120
5	Aniline	50.0	47.3	94.53	80-120
7	bis(-2-Chloroethyl	50.0	50.5	101.09	80-120
8	2-Chlorophenol	50.0	50.9	101.82	80-120
9	1,3-Dichlorobenzen	50.0	50.9	101.76	80-120
11	1,4-Dichlorobenzen	50.0	50.5	101.10	80-120
13	1,2-Dichlorobenzen	50.0	50.7	101.43	80-120
12	Benzyl alcohol	50.0	50.2	100.42	80-120
15	2-Methylphenol	50.0	50.4	100.90	80-120
14	Bis(2-chloroisopro	50.0	51.0	101.93	80-120
17	3- & 4-Methylpheno	50.0	50.7	101.41	80-120
16	N-Nitroso-di-n-pro	50.0	53.1	106.30	80-120
18	Hexachloroethane	50.0	52.6	105.22	80-120
20	Nitrobenzene	50.0	50.7	101.44	80-120
21	Isophorone	50.0	49.9	99.79	80-120
22	2-Nitrophenol +	50.0	50.4	100.85	80-120
23	2,4-Dimethyphenol	50.0	51.0	102.03	80-120
25	Benzoic Acid	50.0	45.3	90.54	80-120
24	bis(-2-Chloroethox	50.0	50.0	100.01	80-120
26	2,4-Dichlorophenol	50.0	50.4	100.75	80-120
27	1,2,4-Trichloroben	50.0	50.7	101.35	80-120
29	Naphthalene	50.0	54.6	109.11	80-120
30	4-Chloroaniline	50.0	41.3	82.62	80-120
31	Hexachlorobutadien	50.0	50.2	100.41	80-120
32	4-Chloro-3-Methylp	50.0	49.6	99.10	80-120
33	2-Methylnaphthalen	50.0	51.8	103.61	80-120
34	Hexachlorocyclopen	50.0	45.4	90.76	80-120
35	2,4,6-Trichlorophe	50.0	49.4	98.87	80-120
36	2,4,5-Trichlorphen	50.0	49.2	98.31	80-120
38	2-Chloronaphthalen	50.0	50.7	101.32	80-120
39	2-Nitroaniline	50.0	51.1	102.17	80-120

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	48.9	97.86	80-120
41 2,6-Dinitrotoluene	50.0	49.5	99.00	80-120
42 Acenaphthylene	50.0	52.9	105.80	80-120
43 3-Nitroaniline	50.0	50.3	100.69	80-120
45 Acenaphthene +	50.0	52.4	104.78	80-120
46 2,4-Dinitrophenol	50.0	46.8	93.60	80-120
49 4-Nitrophenol ++	50.0	46.3	92.60	80-120
48 2,4-Dinitrotoluene	50.0	49.8	99.60	80-120
47 Dibenzofuran	50.0	50.3	100.56	80-120
50 Diethylphthalate	50.0	48.6	97.16	80-120
51 Fluorene	50.0	52.8	105.65	80-120
52 4-Chlorophenyl-phe	50.0	48.8	97.61	80-120
55 N-nitrosodiphenyla	50.0	50.5	100.91	80-120
53 4-Nitroaniline	50.0	49.9	99.88	80-120
54 4,6-Dinitro-o-cres	50.0	47.7	95.43	80-120
56 Azobenzene	50.0	51.7	103.34	80-120
58 4-Bromophenyl-phen	50.0	46.9	93.76	80-120
59 Hexachlorobenzene	50.0	49.7	99.44	80-120
60 Pentachlorophenol	50.0	45.6	91.24	80-120
62 Phenanthrene	50.0	51.9	103.84	80-120
63 Anthracene	50.0	52.4	104.80	80-120
65 Di-n-butylphthalat	50.0	48.5	97.09	80-120
67 Fluoranthene +	50.0	50.1	100.30	80-120
69 Pyrene	50.0	54.3	108.52	80-120
71 Butylbenzylphthala	50.0	48.2	96.43	80-120
73 3,3'-Dichlorobenzi	50.0	50.2	100.39	80-120
72 Benzo(a)anthracene	50.0	49.4	98.82	80-120
75 Chrysene	50.0	47.5	95.08	80-120
76 bis(2-Ethylhexyl)p	50.0	49.1	98.18	80-120
77 Di-n-octylphthalat	50.0	47.4	94.90	80-120
78 Benzo(b)fluoranthe	50.0	47.4	94.72	80-120
79 Benzo(k)fluoranthe	50.0	52.0	104.09	80-120
80 Benzo(a)pyrene +	50.0	52.0	104.09	80-120
82 Indeno(1,2,3-cd)py	50.0	51.4	102.90	80-120
83 Dibenzo(a,h)anthra	50.0	48.9	97.88	80-120
84 Benzo(g,h,i)peryle	50.0	51.4	102.90	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	50.0	49.1	98.27	80-120
$ 4 Phenol-d5	50.0	51.2	102.44	80-120
$ 19 Nitrobenzene-d5	50.0	50.3	100.63	80-120
$ 37 2-Fluorobiphenyl	50.0	51.8	103.60	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 57 2,4,6-Tribromophen	50.0	48.5	96.92	80-120
$ 70 Terphenyl-d14	50.0	50.1	100.27	80-120

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date: 11/21/03 Time: 0756

Lab File ID: 2031121/A9813

Init. Calib. Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Init. Calib. Date 2: 11/19/03 Time 2: 1840

Analytical Batch: 265824

Method: 1311/8270C

COMPOUND	Avg RF	RRF	Min RRF		% D	Max D	
Acenaphthylene	1.807	1.997	.01		10.5	50	
Anthracene	1.154	1.210	.01		4.813	50	
Benzo(a)anthracene	1.253	1.343	.01		3.521	50	
Benzo(b)fluoranthene	1.491	1.679	.01		3.969	50	
Benzo(k)fluoranthene	1.520	1.875	.01		17.9	50	
Benzo(g,h,i)perylene	2.245	2.049	.01		-11.9	50	
Benzo(a)pyrene	1.447	1.665	.01		6.398	20	
Butylbenzylphthalate	0.540	0.607	.01		12.4	50	
Bis(2-Chloroethoxy)methane	0.561	0.622	.01		10.9	50	
Bis(2-Chloroethyl)ether	1.305	1.432	.01		10.8	50	
bis(2-Chloroisopropyl)ether	1.672	1.903	.01		13.8	50	
bis(2-ethylhexyl)phthalate	0.680	0.778	.01		10.3	50	
4-Bromophenyl-phenylether	0.242	0.217	.01		-10.4	50	
Carbazole	1.063	1.213	.01		13.5	50	
4-Chlorophenyl-phenylether	0.565	0.655	.01		15.9	50	
Chrysene	1.251	1.294	.01		2.376	50	
Dibenz(a,h)anthracene	1.826	1.699	.01		-11.6	50	
Dibenzofuran	1.506	1.678	.01		11.4	50	
1,2-Dichlorobenzene	1.493	1.573	.01		5.306	50	
1,3-Dichlorobenzene	1.593	1.651	.01		3.695	50	
3,3'-Dichlorobenzidine	0.432	0.433	.01		0.116	50	
2,4-Dichlorophenol	0.261	0.308	.01		8.402	20	
Diethylphthalate	0.921	1.224	.01		33.0	50	
2,4-Dimethylphenol	0.417	0.461	.01		10.4	50	
Dimethyl-phthalate	1.050	1.291	.01		22.9	50	
Di-n-octylphthalate	1.456	1.452	.01		-0.26	20	
2,4-Dinitrophenol	0.141	0.167	.05		18.5	50	
2,6-Dinitrotoluene	0.232	0.306	.01		20.5	50	
Fluoranthene	1.104	1.324	.01		19.9	20	
Fluorene	1.135	1.368	.01		20.6	50	
Hexachlorobenzene	0.259	0.239	.01		-9.36	50	
Hexachlorobutadiene	0.251	0.242	.01		-3.15	20	
Hexachlorocyclopentadiene	0.328	0.213	.05		-35.0	50	
Hexachloroethane	0.632	0.667	.01		7.496	50	
Isophorone	0.886	1.038	.01		17.2	50	
Indeno(1,2,3-cd)pyrene	2.244	2.049	.01		-11.9	50	
2-Methylnaphthalene	0.628	0.723	.01		15.1	50	
o-Cresol	1.325	1.463	.01		10.4	50	
Naphthalene	0.992	1.126	.01		13.4	50	

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date: 11/21/03 Time: 0756

Lab File ID: 2031121/A9813

Init. Calib. Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Init. Calib. Date 2: 11/19/03 Time 2: 1840

Analytical Batch: 265824

Method: 1311/8270C

COMPOUND	Avg RF	RRF	Min RRF		% D	Max D	
Nitrobenzene	0.544	0.566	.01		4.800	50	
2-Nitrophenol	0.193	0.200	.01		3.621	20	
N-Nitrosodimethylamine	0.464	0.437	.01		-5.94	50	
N-Nitrosodiphenylamine	0.556	0.538	.01		-3.38	20	
Phenanthrene	1.145	1.195	.01		4.338	50	
2,4,5-Trichlorophenol	0.350	0.405	.01		7.868	50	
2,4,6-Trichlorophenol	0.362	0.396	.01		1.477	20	
Benzyl alcohol	0.891	1.027	.01		15.3	50	
Aniline	1.877	2.127	.01		13.3	50	
Pyridine	1.624	1.742	.01		7.273	50	
Caprolactam	0.071	0.120	.01		69.4	50	*
Acetophenone	1.928	2.242	.01		16.3	50	
3-Nitroaniline	0.269	0.362	.01		34.5	50	
4-Nitroaniline	0.249	0.372	.01		49.3	50	
Di-n-butylphthalate	0.984	1.246	.01		26.6	50	
1,2 Diphenylhydrazine	1.346	1.278	.01		-5.03	50	
2-Nitroaniline	0.395	0.466	.01		18.0	50	
2-Chloronaphthalene	1.148	1.164	.01		1.446	50	
4-Chloroaniline	0.378	0.452	.01		19.4	50	
Atrazine (Aatrex)	0.176	0.210	.01		18.8	50	
Benzaldehyde	0.531	0.599	.01		12.8	50	
Biphenyl	0.491	0.623	.01		26.7	50	
Cresols	2.623	3.008	.01		14.7	50	
m,p-Cresol	1.298	1.544	.01		19.0	50	
2-Methyl-4,6-dinitrophenol	0.142	0.151	.01		6.482	50	
1-Methylnaphthalene	0.565	0.644	.01		13.8	50	
Phenol	1.953	2.259	.01		15.7	20	
2-Chlorophenol	1.258	1.376	.01		9.377	50	
1,4-Dichlorobenzene	1.554	1.638	.01		5.357	20	
N-Nitroso-di-n-propylamine	1.151	1.451	.05		30.3	50	
1,2,4-Trichlorobenzene	0.356	0.357	.01		0.439	50	
4-Chloro-3-methylphenol	0.289	0.341	.01		17.9	20	
Acenaphthene	1.113	1.217	.01		9.332	20	
4-Nitrophenol	0.113	0.146	.05		29.3	50	
2,4-Dinitrotoluene	0.261	0.403	.01		33.4	50	
Pentachlorophenol	0.130	0.133	.01		2.432	20	
Pyrene	1.441	1.495	.01		3.720	50	
Nitrobenzene-d5	0.542	0.557	.01		2.865	50	
2-Fluorobiphenyl	1.344	1.358	.01		1.044	50	

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: MSSV1

Calibration Date: 11/21/03 Time: 0756

Lab File ID: 2031121/A9813

Init. Calib. Date 1: 11/03/03 Time 1: 2317

GC Column: RTX-5MS-30 ID: .53 (mm)

Init. Calib. Date 2: 11/19/03 Time 2: 1840

Analytical Batch: 265824

Method: 1311/8270C

COMPOUND	Avg RF	RRF	Min RRF		% D	Max D	
Terphenyl-d14	0.927	0.959	.01		3.444	50	
Phenol-d5	1.826	2.032	.01		11.3	50	
2-Fluorophenol	1.613	1.643	.01		1.870	50	
2,4,6-Tribromophenol	0.147	0.182	.01		23.6	50	

FORM V II VOA

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab File ID (Standard): 2031121/A9813

Date Analyzed: 11/21/03 Time: 0756

Instrument ID: MSSV1

GC Column: RTX-5MS-30 ID: .53 (mm)

Analytical Batch: 265824

Method: 1311/8270C

	IS 1 (ACE)		IS 2 (DCB)		IS 3(NPT)	
	Area	RT	Area	RT	Area #	RT
12 HOUR STD	811458	6.071	413875	4.116	1476516	4.973

	EPA Sample No.		#		#		#		#		#
1.	MB131625	724377		6.07		331559		4.12		1282038		4.97	
2.	LCS131626	782300		6.07		375193		4.11		1378510		4.97	
3.	LCSD131627	741439		6.07		365042		4.12		1344533		4.97	
4.	05-4911B111803	716035		6.07		349704		4.12		1289375		4.97	
5.	05-4911B111803MS	701411		6.07		336752		4.12		1254955		4.97	
6.	05-4911B111803MSD	683991		6.07		323770		4.12		1189045		4.97	
7.	05-49-11C111803	709307		6.07		326346		4.12		1247417		4.97	

IS 1 ID : Acenaphthene-d10

IS 2 ID : 1,4-Dichlorobenzene-d4

IS 3 ID : Naphthalene-d8

AREA UPPER LIMIT = +100% of internal standard area

AREALOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard values with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): 2031121/A9813 Date Analyzed: 11/21/03 Time: 0756

Instrument ID: MSSV1 GC Column: RTX-5MS-30 ID: .53 (mm)

Method: 1311/8270C

		IS 4(PHN)				IS 5(CRY)				IS 6(PRY)			
		Area		RT		Area		RT		Area		RT	
	12 HOUR STD	1376666		6.991		1271802		8.864		950646		10.01	
			#		#		#		#		#		#
1.	MB131625	1295387		6.99		1298264		8.86		1226135		10.02	
2.	LCS131626	1395931		6.99		1264072		8.86		1315179		10.02	
3.	LCSD131627	1264672		6.99		1127724		8.86		1199771		10.02	
4.	05-4911B111803	1247635		6.98		1289409		8.86		1230144		10.01	
5.	05-4911B111803MS	1234956		6.98		1151579		8.86		1205295		10.02	
6.	05-4911B111803MSD	1217238		6.98		1210923		8.86		1301085		10.02	
7.	05-49-11C111803	1237871		6.98		1263916		8.86		1253513		10.01	

IS 4 ID : Phenanthrene-d10
IS 5 ID : Chrysene-d12
IS 6 ID : Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREALOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard values with an asterisk.
* Values outside of QC limits.

TCLP EXTRACTIONS

DATE: 11/9/03 BATCH # 2105747 ANALYST: GJT

Sample Number:	[illegible]	CH2M HILL 203119[illegible]	CH2M HILL 203114[illegible]	[redacted]			
Sample Description	EXT	SAND	SAND	Polymer			
1.VISUAL SAMPLE EVALUATION							
100% solid (Skip to 3)* (√)		✓		✓			
Sample is <100% (√)							
2. FILTRATION(Pressure Filtration is Required if Solids are ≥ 10%)							
Filter Weight (F)							
Filtrate Vessel Weight (V)							
Subsample Weight (100 g minimum) (S)							
Weight of Liquid Phase (V+liquid)-V (L)							
Weight of Solid Phase (S-L) (SP)							
% Solids (SP/S) x 100 * (%S)							
%Dry Solids = [(Dried SP-F)/S] x 100* (%DS)							
3.EXTRACTION FLUID DETERMINATION							
Particle Size Reduced (app. 1mm) (√)							
Actual Weight of subsample (5.0± 0.1g)		5.0	5.0	5.0			
Actual volume of water (96.5± 1mL)		97	97	97			
Initial pH (After 5 min. mixing) "pH-1"		6.29	6.07	10.57			
√ If pH >5, if 3.5 mL 1N HCl added		✓	✓	✓			
√ If heated and held at 50°C for 10 minutes		✓	✓	✓			
Second pH "pH-2"		1.97	1.25	1.38			
If pH-1 or pH-2 <5.0 use Fluid I (√)		✓	✓				
If pH-2 >5.0 use Fluid II (√)							
4. PREPARATION FOR EXTRACTION PROCEDURE*							
Particle Size Reduced (95. mm max) (√)							
Weight of Solids to be Extracted (S)		100	100	100			
Filtrate Vessel Weight (multiphasic) (EV)							
Weight of Filtrate + Vessel (multiphasic) (EF)							
Amount of Fluid Needed = 20 x X		2000	2000	2000			
5. TCLP ROTATION (Rotate for 18 ± 2 hours at 23 ± 2°C and 30 ± 2 rpm)							
Start Time (military)	~~1700~~ 1700	1700	1700	1700			
Stop Time	900	900	900	900			
6. FINAL TCLP EXTRACT							
If the phases will be analyzed separately, determine the volume of each phase:							
Volume Extract obtained in Step 5 (EF-EV)							
Volume filtrate from Step 4 (L)							
pH of TCLP Extract (If two phase,record pH for each phase)	5.07	5.02	5.05	5.09			

* If sample is <0.5 %S or <0.5 %DS; Filter sample , collect filtrate and skip to 6. If sample is 100% solid, use 100 grams sample and 2000mLs fluid.

%DS is only performed if it is suspected that after drying, the %S will be <0.5%.

Temperature: Minimum °C: 16.5 Maximum °C: 27.0

EXTRACTION FLUID #1 pH and ID: 131-34-3

EXTRACTION FLUID #2 pH and ID: _____

Secondary Review: SKB

000040

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	11/20/03 13:30	BATCH NO:	265762
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH	Acid pH	COMMENTS	METHOD
1	In-house QC Ac	MB for HBN 263762 [EXTO/4551]	131625	1000	1.0	>12	<2		LIQUID LIQUID/3520
2	In-house QC Ac	LCS for HBN 263762 [EXTO/4551]	131626	1000	1.0	>12	<2		
3	In-house QC Ac	LCSD for HBN 263762 [EXTO/4551	131627	1000	1.0	>12	<2		SEPARATORY FUNNEL/3510 ✓
4	CH2M HILL Cons	05-4911B111803	20311191801	200	1.0	>12	<2		
5	In-house QC Ac	05-4911B111803(131251MS)	131628	200	1.0	>12	<2		SONICATOR/3550
6	In-house QC Ac	05-4911B111803 (131251MSD)	131629	200	1.0	>12	<2		
7	CH2M HILL Cons	05-49-11C111803	20311191802	200	1.0	>12	<2		SOXHLET/3540
8	[redacted]	IDW-TANK-010	20311202101	1000	1.0	>12	<2		
9			1119 TBLK	200	1.0	>12	<2		GPC CLEANUP/3640
10		85	~~20311132001~~						
11	[redacted]	11/20/03	20311132003	780	1.0	>12	<2	*	WASTE DILUTION/3580
12									
13									TCLP EXTRACTION FLUID 1 131-34-3
14									
15									TCLP EXTRACTION FLUID 2
16									
17									MECL2/Acetone No:
18									
19									ACETONE LOT NO:
20									
21									MeCL2 Lot No: 030489
22									
23									Sodium Sulfate Lot No: 035189
24									
25									
26									
27									
28									

SKB 11/20/03

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

* all sample volume used

SURROGATE ID	8-229-1	8270 SPIKE ID		625 SPIKE ID	8-235-2	TECHNICIAN	DATE
VOLUME	0.5 mL	VOLUME		VOLUME	1.0 mL	[illegible]	11/20/03
CONCENTRATION	100,000 ug/mL	CONCENTRATION		CONCENTRATION	100 ug/mL		
NaOH	4-44-1	ACID	307-8-3			SUPERVISOR	DATE
SPIKE WITNESS	JPA					John Bailey	11/20/03

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: 12 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: 05-4911B111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191801

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1250

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8009

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: 37 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: 05-49-11C111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191802

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1318

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8010

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: MB131565

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131565

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1115

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8006

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00100	U	0.00013	0.00100
76-44-8	Heptachlor	0.00050	U	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00050	U	0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050	U	0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: LCS131566

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131566

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1144

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8007

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00061	J	0.00013	0.00100
76-44-8	Heptachlor	0.00038	J	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00051		0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00050		0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: LCSD131567

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131567

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1212

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8008

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.02500	U	0.00016	0.02500
72-20-8	Endrin	0.00068	J	0.00013	0.00100
76-44-8	Heptachlor	0.00040	J	0.00008	0.00050
1024-57-3	Heptachlor epoxide	0.00053		0.00010	0.00050
72-43-5	Methoxychlor	0.02500	U	0.00065	0.02500
8001-35-2	Toxaphene	0.25000	U	0.00050	0.25000
58-89-9	gamma-BHC (Lindane)	0.00051		0.00006	0.00050

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: 05-49-11C111803MS

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131583

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1346

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8011

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.40209	U	0.00256	0.40209
72-20-8	Endrin	0.00785	J	0.00211	0.01608
76-44-8	Heptachlor	0.00622	J	0.00122	0.00804
1024-57-3	Heptachlor epoxide	0.00799	J	0.00154	0.00804
72-43-5	Methoxychlor	0.40209	U	0.01039	0.40209
8001-35-2	Toxaphene	4.02094	U	0.00804	4.02094
58-89-9	gamma-BHC (Lindane)	0.00764	J	0.00099	0.00804

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265745 Analytical Batch: 265894

Sample ID: 05-49-11C111803MSD

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131584

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/23/03 Time: 1414

Dilution Factor: 1 Analyst: DLB

Prep Method: 3510C

Analytical Method: 1311/8081A

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031123/SV8012

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
57-74-9	Chlordane	0.40209	U	0.00256	0.40209
72-20-8	Endrin	0.00862	J	0.00211	0.01608
76-44-8	Heptachlor	0.00648	J	0.00122	0.00804
1024-57-3	Heptachlor epoxide	0.00796	J	0.00154	0.00804
72-43-5	Methoxychlor	0.01224	J	0.01039	0.40209
8001-35-2	Toxaphene	4.02094	U	0.00804	4.02094
58-89-9	gamma-BHC (Lindane)	0.00741	J	0.00099	0.00804

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1): RTX-50-30M ID: .53 (mm) GC Cloumn (2): ID: (mm)

Method: 1311/8081A

EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1. MB131565	105	45	148						91	34	135						0
2. LCS131566	104	45	148						91	34	135						0
3. LCSD131567	102	45	148						100	34	135						0

SMC 1 : Tetrachloro-m-xylene SMC 2 : Decachlorobiphenyl

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1) RTX-50-30M ID: .53 (mm) GC Cloumn (2) : ID: (mm)

Method: 1311/8081A

EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1. 05-4911B111803	83				109				0
2. 05-49-11C111803	81				107				0
3. 05-49-11C111803MS	88				109				0
4. 05-49-11C111803MSD	94				117				0

	CONTROL LIMITS	
SMC 1 : Tetrachloro-m-xylene	45	148
SMC 2 : Decachlorobiphenyl	34	135

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: 1311/8081A

SAMPLE NO : 131566

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Endrin	mg/L	.0005	0	.00061	121		53 - 168
Heptachlor	mg/L	.0005	0	.00038	75		51 - 152
Heptachlor epoxide	mg/L	.0005	0	.00051	103		56 - 147
Methoxychlor	mg/L	.0005	0	.0006	120		29 - 179
gamma-BHC (Lindane)	mg/L	.0005	0	.0005	100		37 - 143

SAMPLE NO : 131567

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.0005	.00068	137		11		53 - 168	0 - 40
Heptachlor	mg/L	.0005	.0004	79		5		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.0005	.00053	107		4		56 - 147	0 - 40
Methoxychlor	mg/L	.0005	.00063	126		5		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.0005	.00051	103		2		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 05-49-11C111803

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: 1311/8081A

Prep Batch: 265745 Analytical Batch: 265894

Spike HSN : 131583

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Endrin	mg/L	.005	0	.00488	98		53 - 168
Heptachlor	mg/L	.005	0	.00387	77		51 - 152
Heptachlor epoxide	mg/L	.005	0	.00497	99		56 - 147
Methoxychlor	mg/L	.005	0	.00612	122		29 - 179
gamma-BHC (Lindane)	mg/L	.005	0	.00475	95		37 - 143

Spike Dupe HSN : 131584

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Endrin	mg/L	.005	.00536	107		9		53 - 168	0 - 40
Heptachlor	mg/L	.005	.00403	81		4		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.005	.00495	99		.4		56 - 147	0 - 40
Methoxychlor	mg/L	.005	.00761	152		22		29 - 179	0 - 40
gamma-BHC (Lindane)	mg/L	.005	.00461	92		3		37 - 143	0 - 40

RPD : 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab Sample ID: 131565

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Analyzed (1): 11/23/03 Time (1): 1115

Instrument ID (1): GCS8B

GC Column (1): RTX-50-30M ID: .53 (mm)

Method: 1311/8081A

Lab File ID: 2031123/SV8006

Sample ID: MB131565

Contract:

SAS No.: SDG No.: 203111918

Date Extracted: 11/20/03

Date Analyzed (2): Time (2):

Instrument ID (2):

GC Column (2): ID: (mm)

Prep Batch: 265745 Analytical Batch: 265894

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS131566	131566	11/23/03	1144		
2.	LCSD131567	131567	11/23/03	1212		
3.	05-4911B111803	20311191801	11/23/03	1250		
4.	05-49-11C111803	20311191802	11/23/03	1318		
5.	05-49-11C111803MS	131583	11/23/03	1346		
6.	05-49-11C111803MSD	131584	11/23/03	1414		

6E

ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date 1: 11/16/03 Time 1: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Calibration Date 2: 11/16/03 Time 2: 2250

Analytical Batch: 265567

Method: 1311/8081A

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6:

Level 7: Level 8: Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	$\overline{RF}$	RSD
4,4'-DDD	130487.400	151693.850	146495.525	149099.362	152532.585				146061.744	6.177
4,4'-DDE	174622.000	204369.858	207849.838	208674.085	214094.975				201922.151	7.753
4,4'-DDT	108160.700	122080.150	125815.675	132642.119	138674.565				125474.642	9.234
Aldrin	205100.800	231311.250	236624.117	241864.700	243623.820				231704.937	6.746
Aroclor-1016	36212.761	40870.220	45759.682	49589.460	49729.340				44432.293	13.15
Aroclor-1221	13059.775								13059.775	0
Aroclor-1232	25100.315								25100.315	0
Aroclor-1242	40383.865								40383.865	0
Aroclor-1248	49725.175								49725.175	0
Aroclor-1254	43118.508								43118.508	0
Aroclor-1260	53390.687	57332.004	61127.285	62294.345	62406.510				59310.166	6.571
Chlordane	75423.828								75423.828	0
Decachlorobiphenyl	186982.800	192276.400	173277.067	176908.512	177537.370				181396.43	4.363
Dieldrin	161332.000	200295.000	201328.242	198782.356	201812.955				192710.111	9.122
Endosulfan I	171879.200	186707.050	191208.583	190258.650	195106.090				187031.915	4.803
Endosulfan II	142307.500	164924.492	166586.456	167876.250	169196.800				162178.3	6.918
Endosulfan sulfate	135877.400	151816.575	153258.762	154630.000	156022.260				150321	5.471
Endrin	114001.800	132206.225	129708.425	133242.456	136160.850				129063.951	6.766
Endrin aldehyde	97574.300	101696.538	107876.825	121081.667	122021.890				110050.244	10.11
Endrin ketone	145459.600	165969.525	168765.644	170202.445	177372.425				165553.928	7.246
Heptachlor	144251.200	171955.950	170589.533	176290.012	183821.100				169381.559	8.835
Heptachlor epoxide	172683.800	194117.500	197480.917	201320.625	203597.650				193840.098	6.382
Methoxychlor	45460.980	49387.865	46456.900	50169.094	52317.707				48758.509	5.73
Tetrachloro-m-xylene	248981.400	258380.850	233269.667	223710.775	224015.910				237671.72	6.51
Toxaphene	27399.882								27399.882	0
alpha-BHC	259016.000	334966.250	335359.933	325273.775	330313.850				316985.962	10.30
alpha-Chlordane	200524.600	220799.400	224120.017	228183.875	230653.090				220856.196	5.423
beta-BHC	141586.880	142397.900	142680.338	153037.800	155628.350				147066.254	4.562
delta-BHC	225914.800	264845.100	265530.150	267569.488	269417.700				258655.448	7.11
gamma-BHC (Lindane)	246937.000	297397.950	291896.250	284104.525	289062.160				281879.577	7.137
gamma-Chlordane	186690.000	215176.600	222991.350	228904.662	232337.240				217219.97	8.409

Data File: /var/chem/gcsv8.i/2031115.b/SV8008.d
Report Date: 27-Nov-2003 11:47

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: IAICV.spk
Sublist File: AICV.sub
Method File: /var/chem/gcsv8.i/2031115.b/pest608.m
Misc Info:

Client SDG: 2031115
Fraction: SV
Client Smp ID: 58*33*9
Operator: dlb
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60.0000	62.8209	104.70	80-120
3 gamma-BHC (Lindane	60.0000	63.8721	106.45	80-120
4 Heptachlor	60.0000	67.9901	113.32	80-120
9 Endosulfan I	60.0000	63.6960	106.16	80-120
13 Dieldrin	120.0000	131.8413	109.87	80-120
14 Endrin	120.0000	132.1193	110.10	80-120
15 4,4'-DDD	120.0000	128.1476	106.79	80-120
17 4,4'-DDT	120.0000	135.6183	113.02	80-120
19 Methoxychlor	600.0000	658.5261	109.75	80-120

Data File: /var/chem/gcsv8.i/2031115.b/SV8014.d
Report Date: 27-Nov-2003 11:47

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: IBICV.spk
Sublist File: BICV.sub
Method File: /var/chem/gcsv8.i/2031115.b/pest608.m
Misc Info:

Client SDG: 2031115
Fraction: SV

Operator: dlb
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
5 Aldrin	60.0000	67.8386	113.06	80-120
6 beta-BHC	60.0000	65.4818	109.14	80-120
7 delta-BHC	60.0000	66.8121	111.35	80-120
8 Heptachlor epoxide	60.0000	67.8714	113.12	80-120
10 gamma-Chlordane	60.0000	64.4502	107.42	80-120
11 alpha-Chlordane	60.0000	64.5679	107.61	80-120
12 4,4'-DDE	120.0000	136.4014	113.67	80-120
16 Endosulfan II	120.0000	141.0157	117.51	80-120
18 Endrin aldehyde	120.0000	127.5234	106.27	80-120
20 Endosulfan sulfate	120.0000	140.2411	116.87	80-120
21 Endrin ketone	120.0000	136.2462	113.54	80-120

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/23/03 Time: 0930

Lab File ID: 2031123/SV8003

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	RRF	RRF50	% D
beta-BHC	147066.253	166758.716	-5.99
delta-BHC	258655.447	311039.883	-9.77
Heptachlor epoxide	193840.098	226153.033	.0972
4,4'-DDE	201922.151	244196.991	-7.32
Endosulfan II	162178.299	191513.166	-4.73
Endosulfan sulfate	150320.999	174716.816	-1.29
Endrin ketone	165553.927	191748.941	-8.18
Endrin aldehyde	110050.243	145782.433	-11.9
alpha-Chlordane	220856.196	255863.083	-4.75
gamma-Chlordane	217219.970	257995.716	-5.85
Aldrin	231704.937	276704.6	-7.87

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/23/03 Time: 1027

Lab File ID: 2031123/SV8005

Init. Callb. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	RRF	RRF50	% D
alpha-BHC	316985.961	370812.666	-10.2
Endosulfan I	187031.914	221257.166	5.871
4,4'-DDD	146061.744	181792.291	-6.93
Methoxychlor	48758.5091	59803.9616	23.39
gamma-BHC (Lindane)	281879.577	330548.183	-9.94
Heptachlor	169381.559	216277.916	7.664
Dieldrin	192710.110	229014.408	-4.26
Endrin	129063.951	171709.408	-.278
4,4'-DDT	125474.641	151510.333	24.90
Tetrachloro-m-xylene	237671.720	260618.183	-1.35
Decachlorobiphenyl	181396.429	192690.091	-1.74

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/23/03 Time: 1511

Lab File ID: 2031123/SV8014

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	RRF	RRF50	% D
alpha-BHC	316985.961	368794.75	-9.69
Endosulfan I	187031.914	224958.65	4.297
4,4'-DDD	146061.744	169633.716	.2205
Methoxychlor	48758.5091	78483.8133	-.537
gamma-BHC (Lindane)	281879.577	332706.116	-10.6
Heptachlor	169381.559	243285.966	-3.86
Dieldrin	192710.110	240147.233	-9.33
Endrin	129063.951	195164.3	-13.9
4,4'-DDT	125474.641	183352.416	9.125
Tetrachloro-m-xylene	237671.720	256898.3	.0947
Decachlorobiphenyl	181396.429	203058.875	-7.21

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/23/03 Time: 1539

Lab File ID: 2031123/SV8015

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	$\overline{RRF}$	RRF50	% D
beta-BHC	147066.253	172662.616	-9.74
delta-BHC	258655.447	327495.283	-15.5
Heptachlor epoxide	193840.098	245263.783	-8.34
4,4'-DDE	201922.151	254886.75	-12.0
Endosulfan II	162178.299	205720.383	-12.4
Endosulfan sulfate	150320.999	188220.108	-9.11
Endrin ketone	165553.927	207714.075	-17.1
Endrin aldehyde	110050.243	162270.166	-24.6
alpha-Chlordane	220856.196	274379.966	-12.3
gamma-Chlordane	217219.970	272891.9	-11.9
Aldrin	231704.937	289369.95	-12.8

TCLP EXTRACTIONS

DATE: 11/9/03 BATCH # 2105747 ANALYST: GJT

Sample Number:	[illegible]	CH2M HILL 203119801	CH2M HILL 203114800	[redacted]			
Sample Description	EKF	SAND	SAND	Polymer			
1.VISUAL SAMPLE EVALUATION							
100% solid (Skip to 3)* (√)		✓	✓	✓			
Sample is <100% (√)							
2. FILTRATION(Pressure Filtration is Required if Solids are ≥ 10%)							
Filter Weight (F)							
Filtrate Vessel Weight (V)							
Subsample Weight (100 g minimum) (S)							
Weight of Liquid Phase (V+liquid)-V (L)							
Weight of Solid Phase (S-L) (SP)							
% Solids (SP/S) x 100 * (%S)							
%Dry Solids = [(Dried SP-F)/S] x 100* (%DS)							
3.EXTRACTION FLUID DETERMINATION							
Particle Size Reduced (app. 1mm) (√)							
Actual Weight of subsample (5.0± 0.1g)		5.0	5.0	5.0			
Actual volume of water (96.5± 1mL)		97	97	97			
Initial pH (After 5 min. mixing) "pH-1"		4.25	4.07	10.97			
√ If pH >5, if 3.5 mL 1N HCl added		✓	✓	✓			
√ If heated and held at 50°C for 10 minutes		✓	✓	✓			
Second pH "pH-2"		12.7	12.8	12.8			
If pH-1 or pH-2 <5.0 use Fluid I (√)		✓	✓				
If pH-2 >5.0 use Fluid II (√)							
4. PREPARATION FOR EXTRACTION PROCEDURE*							
Particle Size Reduced (95. mm max) (√)							
Weight of Solids to be Extracted (X)		100	100	100			
Filtrate Vessel Weight (multiphasic) (EV)							
Weight of Filtrate + Vessel (multiphasic) (EF)							
Amount of Fluid Needed = 20 x X		2000	2000	2000			
5. TCLP ROTATION (Rotate for 18 ± 2 hours at 23 ± 2°C and 30 ± 2 rpm)							
Start Time 1100	~~1700~~ 1700	1700	1700	1700			
Stop Time	900	900	900	900			
6. FINAL TCLP EXTRACT							
If the phases will be analyzed separately, determine the volume of each phase:							
Volume Extract obtained in Step 5 (EF-EV)							
Volume filtrate from Step 4 (L)							
pH of TCLP Extract (If two phase,record pH for each phase)	5.07	5.02	5.05	5.09			

* If sample is <0.5 %S or <0.5 %DS; Filter sample , collect filtrate and skip to 6. If sample is 100% solid, use 100 grams sample and 2000mLs fluid.

%DS is only performed if it is suspected that after drying, the %S will be <0.5%.

Temperature: Minimum °C: 16.5 Maximum °C: 27.0

EXTRACTION FLUID #1 pH and ID: 131-34-3

EXTRACTION FLUID #2 pH and ID: _____

Secondary Review: SKB

000102

PESTICIDE SAMPLE PREPARATION FORM

11/20/03 LW 11/21/03

EXTRACTION DATE/TIME:	~~11/19/03~~ 0800	BATCH NO:	265745
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	In-house QC Ac	MB for HBN 265745 [EXTO/4545]	131565	1000	10.0	7	PesT	LIQUID LIQUID/3520
2	In-house QC Ac	LCS for HBN 265745 [EXTO/4545]	131566	1000	10.0	7		
3	In-house QC Ac	LCSD for HBN 265745 [EXTO/4545	131567	1000	10.0	7		SEPARATORY FUNNEL/3510
4	[redacted]	MW-22	20311201901	1000	10.0	7		
5	[redacted]	MW-30	20311201902	1000	10.0	7		GPC CLEANUP/3640
6	[redacted]	MW-33	20311201903	1000	10.0	7		
7	[redacted]	MW-26	20311201904	1000	10.0	7		SONICATOR/3550
8	[redacted]	MW-28	20311201905	1000	10.0	7		
9	[redacted]	MW-29	20311201906	1000	10.0	7		FLORISIL CLEANUP/3620
10	[redacted]	MW-16	20311201907	1000	10.0	7		
11	[redacted]	MW-17	20311201908	1000	10.0	7		PCB H2So4/3665A CLEANUP
12	[redacted]	MW-32	20311201909	1000	10.0	7		
13	[redacted]	MW-34	20311201910	1000	10.0	7		WASTE DILUTION/3580
14	[redacted]	P-6	20311201911	1000	10.0	7		
15	[redacted]	MW-31	20311201912	1000	10.0	7		TCLP EXTRACTION FLUID 1
16	[redacted]	MW-4	20311201913	1000	10.0	7		131-34-3
17	[redacted]	MW-20	20311201914	1000	10.0	7		TCLP EXTRACTION FLUID 2
18	[redacted]	MW-1	20311201915	1000	10.0	7		
19	[redacted]	MW-15	20311201916	1000	10.0	7		MECL2/Acetone No:
20	[redacted]	DUP-1	20311201917	1000	10.0	7		
21	CH2M HILL Cons	05-4911B111803	20311191801	200	10.0	7		ACETONE LOT NO:
22	CH2M HILL Cons	05-49-11C111803	20311191802	200	10.0	7		
23	In-house QC Ac	05-49-11C111803(131255MS)	131583	200	10.0	7		MECL2 Lot No:
24	In-house QC Ac	05-49-11C111803 (131255MSD)	131584	200	10.0	7		030989
25			11/19 TBLK	200	10.0	7		HEXANE Lot No:
26								036801
27				SKB	11/21/03			Sodium Sulfate Lot No:
28								034830

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	8-241-2	8081 SPIKE ID		608 SPIKE ID	8-225-1	TECHNICIAN	DATE LW 11/21
VOLUME	1.0mL	VOLUME		VOLUME	0.5mL	Lowell Clark	11/19/03
CONCENTRATION	0.5g/mL	CONCENTRATION		CONCENTRATION	1.0g/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	SKB					John Pouley	11/21/03

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 12 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: 05-4911B111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191801

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1731

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

CONCENTRATION UNITS: ug/kg

Lab File ID: 2031121/SV8017

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	45.5	U	3.43	45.5
11104-28-2	Aroclor-1221	45.5	U	10.4	45.5
11141-16-5	Aroclor-1232	45.5	U	11.4	45.5
53469-21-9	Aroclor-1242	45.5	U	13.3	45.5
12672-29-6	Aroclor-1248	45.5	U	8.88	45.5
11097-69-1	Aroclor-1254	45.5	U	7.38	45.5
11096-82-5	Aroclor-1260	45.5	U	3.43	45.5

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 37 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: 05-49-11C111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191802

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1800

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

CONCENTRATION UNITS: ug/kg

Lab File ID: 2031121/SV8018

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	64.3	U	4.86	64.3
11104-28-2	Aroclor-1221	64.3	U	14.7	64.3
11141-16-5	Aroclor-1232	64.3	U	16.2	64.3
53469-21-9	Aroclor-1242	64.3	U	18.9	64.3
12672-29-6	Aroclor-1248	64.3	U	12.6	64.3
11097-69-1	Aroclor-1254	64.3	U	10.4	64.3
11096-82-5	Aroclor-1260	64.3	U	4.86	64.3

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: MB131260

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131260

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1126

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

CONCENTRATION UNITS: ug/kg

Lab File ID: 2031121/SV8005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	40.0	U	3.02	40.0
11104-28-2	Aroclor-1221	40.0	U	9.17	40.0
11141-16-5	Aroclor-1232	40.0	U	10.1	40.0
53469-21-9	Aroclor-1242	40.0	U	11.7	40.0
12672-29-6	Aroclor-1248	40.0	U	7.81	40.0
11097-69-1	Aroclor-1254	40.0	U	6.49	40.0
11096-82-5	Aroclor-1260	40.0	U	3.02	40.0

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: LCS131261

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131261

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1154

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

CONCENTRATION UNITS: ug/kg

Lab File ID: 2031121/SV8006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	127		3.02	40.0
11104-28-2	Aroclor-1221	40.0	U	9.17	40.0
11141-16-5	Aroclor-1232	40.0	U	10.1	40.0
53469-21-9	Aroclor-1242	40.0	U	11.7	40.0
12672-29-6	Aroclor-1248	40.0	U	7.81	40.0
11097-69-1	Aroclor-1254	40.0	U	6.49	40.0
11096-82-5	Aroclor-1260	128		3.02	40.0

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: LCSD131262

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131262

Date Collected: Time:

Date Received:

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1223

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031121/SV8007

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	126		3.02	40.0
11104-28-2	Aroclor-1221	40.0	U	9.17	40.0
11141-16-5	Aroclor-1232	40.0	U	10.1	40.0
53469-21-9	Aroclor-1242	40.0	U	11.7	40.0
12672-29-6	Aroclor-1248	40.0	U	7.81	40.0
11097-69-1	Aroclor-1254	40.0	U	6.49	40.0
11096-82-5	Aroclor-1260	128		3.02	40.0

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: 05-49-11C111803MS

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131444

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1828

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

CONCENTRATION UNITS: ug/kg

Lab File ID: 2031121/SV8019

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	193		4.86	64.3
11104-28-2	Aroclor-1221	64.3	U	14.7	64.3
11141-16-5	Aroclor-1232	64.3	U	16.2	64.3
53469-21-9	Aroclor-1242	64.3	U	18.9	64.3
12672-29-6	Aroclor-1248	64.3	U	12.6	64.3
11097-69-1	Aroclor-1254	64.3	U	10.4	64.3
11096-82-5	Aroclor-1260	259		4.86	64.3

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265683 Analytical Batch: 265879

Sample ID: 05-49-11C111803MSD

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131445

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/20/03

Date Analyzed: 11/21/03 Time: 1856

Dilution Factor: 1 Analyst: TLS

Prep Method: 3550B

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS8B

Lab File ID: 2031121/SV8020

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	241		4.86	64.3
11104-28-2	Aroclor-1221	64.3	U	14.7	64.3
11141-16-5	Aroclor-1232	64.3	U	16.2	64.3
53469-21-9	Aroclor-1242	64.3	U	18.9	64.3
12672-29-6	Aroclor-1248	64.3	U	12.6	64.3
11097-69-1	Aroclor-1254	64.3	U	10.4	64.3
11096-82-5	Aroclor-1260	270		4.86	64.3

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1) RTX-50-30M ID: .53 (mm) GC Cloumn (2) : ID: (mm)

Method: SW-846 8082

EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1. 05-4911B111803	105								0
2. 05-49-11C111803	109								0
3. MB131260	106								0
4. LCS131261	116								0
5. LCSD131262	112								0
6. 05-49-11C111803MS	125								0
7. 05-49-11C111803MSD	127								0

	CONTROL LIMITS	
SMC 1 : Decachlorobiphenyl	60	150
SMC 2 :		

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 05-49-11C111803

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: SW-846 8082

Prep Batch: 265683 Analytical Batch: 265879

Spike HSN : 131444

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Aroclor-1016	ug/kg	214	0	193	90		40 - 154
Aroclor-1260	ug/kg	214	0	259	121		40 - 168

Spike Dupe HSN : 131445

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	ug/kg	214	241	113		22		40 - 154	0 - 43
Aroclor-1260	ug/kg	214	270	126		4		40 - 168	0 - 50

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: SW-846 8082

Prep Batch: 265683 Analytical Batch: 265879

Spike HSN : 131261

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Aroclor-1016	ug/kg	133	0	127	95		62 - 124
Aroclor-1260	ug/kg	133	0	128	96		62 - 129

Spike Dupe HSN : 131262

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	ug/kg	133	126	95		.8		62 - 124	0 - 31
Aroclor-1260	ug/kg	133	128	96		0		62 - 129	0 - 36

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB131260

Lab Code: LA024 Case No.:

Contract:

Lab Sample ID: 131260

SAS No.: SDG No.: 203111918

Matrix: Soil Sulfur Cleanup: (Y/N) N

Date Extracted: 11/20/03

Date Analyzed (1): 11/21/03 Time (1): 1126

Date Analyzed (2): Time (2):

Instrument ID (1): GCS8B

Instrument ID (2):

GC Column (1): RTX-50-30M ID: .53 (mm)

GC Column (2): ID: (mm)

Method: SW-846 8082

Prep Batch: 265683 Analytical Batch: 265879

Lab File ID: 2031121/SV8005

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS131261	131261	11/21/03	1154		
2.	LCSD131262	131262	11/21/03	1223		
3.	05-4911B111803	20311191801	11/21/03	1731		
4.	05-49-11C111803	20311191802	11/21/03	1800		
5.	05-49-11C111803MS	131444	11/21/03	1828		
6.	05-49-11C111803MSD	131445	11/21/03	1856		

6E

ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date 1: 11/16/03 Time 1: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Calibration Date 2: 11/16/03 Time 2: 2250

Analytical Batch: 265567

Method: SW-846 8082

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6:

Level 7: Level 8: Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	$\overline{RF}$	RSD
4,4'-DDD	130487.400	151693.850	146495.525	149099.362	152532.585				146061.744	6.177
4,4'-DDE	174622.000	204369.858	207849.838	208674.085	214094.975				201922.151	7.753
4,4'-DDT	108160.700	122080.150	125815.675	132642.119	138674.565				125474.642	9.234
Aldrin	205100.800	231311.250	236624.117	241864.700	243623.820				231704.937	6.746
Aroclor-1016	36212.761	40870.220	45759.682	49589.460	49729.340				44432.293	13.15
Aroclor-1221	13059.775								13059.775	0
Aroclor-1232	25100.315								25100.315	0
Aroclor-1242	40383.865								40383.865	0
Aroclor-1248	49725.175								49725.175	0
Aroclor-1254	43118.508								43118.508	0
Aroclor-1260	53390.687	57332.004	61127.285	62294.345	62406.510				59310.166	6.571
Chlordane	75423.828								75423.828	0
Decachlorobiphenyl	186982.800	192276.400	173277.067	176908.512	177537.370				181396.43	4.363
Dieldrin	161332.000	200295.000	201328.242	198782.356	201812.955				192710.111	9.122
Endosulfan I	171879.200	186707.050	191208.583	190258.650	195106.090				187031.915	4.803
Endosulfan II	142307.500	164924.492	166586.456	167876.250	169196.800				162178.3	6.918
Endosulfan sulfate	135877.400	151816.575	153258.762	154630.000	156022.260				150321	5.471
Endrin	114001.800	132206.225	129708.425	133242.456	136160.850				129063.951	6.766
Endrin aldehyde	97574.300	101696.538	107876.825	121081.667	122021.890				110050.244	10.11
Endrin ketone	145459.600	165969.525	168765.644	170202.445	177372.425				165553.928	7.246
Heptachlor	144251.200	171955.950	170589.533	176290.012	183821.100				169381.559	8.835
Heptachlor epoxide	172683.800	194117.500	197480.917	201320.625	203597.650				193840.098	6.382
Methoxychlor	45460.980	49387.865	46456.900	50169.094	52317.707				48758.509	5.73
Tetrachloro-m-xylene	248981.400	258380.850	233269.667	223710.775	224015.910				237671.72	6.51
Toxaphene	27399.882								27399.882	0
alpha-BHC	259016.000	334966.250	335359.933	325273.775	330313.850				316985.962	10.30
alpha-Chlordane	200524.600	220799.400	224120.017	228183.875	230653.090				220856.196	5.423
beta-BHC	141586.880	142397.900	142680.338	153037.800	155628.350				147066.254	4.562
delta-BHC	225914.800	264845.100	265530.150	267569.488	269417.700				258655.448	7.11
gamma-BHC (Lindane)	246937.000	297397.950	291896.250	284104.525	289062.160				281879.577	7.137
gamma-Chlordane	186690.000	215176.600	222991.350	228904.662	232337.240				217219.97	8.409

Data File: /var/chem/gcsv8.i/2031115.b/SV8027.d
Report Date: 27-Nov-2003 11:53

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: PCBICV.spk
Sublist File: PCBICV.sub
Method File: /var/chem/gcsv8.i/2031115.b/pest608.m
Misc Info:

Client SDG: 2031115
Fraction: SV

Operator: dlb
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400.0000	399.4384	99.86	80-120
M 28 AR 1260-AVG	400.0000	413.1497	103.29	80-120

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/21/03 Time: 1029

Lab File ID: 2031121/SV8004

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	$\overline{RRF}$	RRF50	% D
Aroclor-1016	44432.2926	49232.345	3.715
Aroclor-1260	59310.1661	63466.575	5.839

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/21/03 Time: 1609

Lab File ID: 2031121/SV8015

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	RRF	RRF50	% D
Aroclor-1016	44432.2926	50927.11	.4005
Aroclor-1260	59310.1661	64748.3075	3.938

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS8B

Calibration Date: 11/21/03 Time: 2146

Lab File ID: 2031121/SV8026

Init. Calib. Date 1: 11/16/03 Time: 1147

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/16/03 Time: 2250

Analytical Batch: 265567

COMPOUND	$\overline{RRF}$	RRF50	% D
Aroclor-1016	44432.2926	51974.57	-1.64
Aroclor-1260	59310.1661	62537.42	7.218

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	11-20-3 6:00	BATCH NO:	265683
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	In-house QC Ac	MB for HBN 265683 [EXTO/4539]	131260	30.0	10.0		PCB	LIQUID LIQUID/3520
2	In-house QC Ac	LCS for HBN 265683 [EXTO/4539]	131261	30.0	10.0			
3	In-house QC Ac	LCSD for HBN 265683 [EXTO/4539	131262	30.0	10.0			SEPARATORY FUNNEL/3510
4	[redacted]	EB-2 (8-10)	20311190702	30.0	10.0			
5	[redacted]	EB-3 (12-14)	20311190703	30.0	10.0			GPC CLEANUP/3640
6	[redacted]	EB-4 (6-8)	20311190704	30.0	10.0			
7	[redacted]	EB-5 (4-6)	20311190705	30.0	10.0			SONICATOR/3550
8	[redacted]	EB-6 (6-8)	20311190706	30.0	10.0			✓
9	[redacted]	SED-003	20311190707	30.0	10.0			FLORISIL CLEANUP/3620
10	[redacted]	SED-001	20311190708	30.0	10.0			
11	[redacted]	SED-002	20311190709	30.0	10.0			PCB H2SO4/3665A CLEANUP
12	CH2M HILL Cons	05-4911B111803	20311191801	30.0	10.0			✓
13	CH2M HILL Cons	05-49-11C111803	20311191802	30.0	10.0			WASTE DILUTION/3580
14	In-house QC Ac	05-49-11C111803(131255MS)	131444	30.0	10.0			
15	In-house QC Ac	05-49-11C111803 (131255MSD)	131445	30.0	10.0			TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								1-63-2
21								ACETONE LOT NO:
22								034641
23								MECL2 Lot No:
24								030989
25								HEXANE Lot No:
26								028648
27								Sodium Sulfate Lot No:
28								034270

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	2-2372	8081 SPIKE ID		~~608~~ PCB SPIKE ID	8-611-2	TECHNICIAN	DATE
VOLUME	1.0	VOLUME		VOLUME	1.0	Jodey Chacon	11-20-3
CONCENTRATION	0.5 ug/ml	CONCENTRATION		CONCENTRATION	4.0 ug/ml		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	LMC					John Bailey	11/20/03

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: 12 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265768 Analytical Batch: 265923

Sample ID: 05-4911B111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191801

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/22/03

Date Analyzed: 11/23/03 Time: 1607

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8151

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2031123/SV1101

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
94-75-7	2,4'-D	0.00500	U	0.00027	0.00500
93-72-1	2,4,5-TP (SILVEX)	0.00500	U	0.00320	0.00500

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 100 Units: mL

Level: (low/med) LOW

% Moisture: 37 decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265768 Analytical Batch: 265923

Sample ID: 05-49-11C111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191802

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/22/03

Date Analyzed: 11/23/03 Time: 1724

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8151

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2031123/SV1101

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
94-75-7	2,4'-D	0.00500	U	0.00027	0.00500
93-72-1	2,4,5-TP (SILVEX)	0.00500	U	0.00320	0.00500

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265768 Analytical Batch: 265923

CONCENTRATION UNITS: mg/L

Sample ID: MB131641

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131641

Date Collected: Time:

Date Received:

Date Extracted: 11/22/03

Date Analyzed: 11/23/03 Time: 1815

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8151

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2031123/SV1101

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
94-75-7	2,4'-D	0.00500	U	0.00027	0.00500
93-72-1	2,4,5-TP (SILVEX)	0.00500	U	0.00320	0.00500

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265768 Analytical Batch: 265923

Sample ID: LCS131642

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131642

Date Collected: Time:

Date Received:

Date Extracted: 11/22/03

Date Analyzed: 11/24/03 Time: 1033

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8151

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2031123/SV1101

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
94-75-7	2,4'-D	0.00185	J	0.00027	0.00500
93-72-1	2,4,5-TP (SILVEX)	0.00500	U	0.00320	0.00500

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-50-30M ID: .53 (mm)

Concentrated Extract Volume: 10000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265768 Analytical Batch: 265923

CONCENTRATION UNITS: mg/L

Sample ID: LCSD131643

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131643

Date Collected: Time:

Date Received:

Date Extracted: 11/22/03

Date Analyzed: 11/23/03 Time: 1542

Dilution Factor: 1 Analyst: DLB

Prep Method: SW-846 3510

Analytical Method: 1311/8151

Sulfur Cleanup: (Y/N) N Instrument ID: GCS11A

Lab File ID: 2031123/SV1101

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
94-75-7	2,4'-D	0.00170	J	0.00027	0.00500
93-72-1	2,4,5-TP (SILVEX)	0.00500	U	0.00320	0.00500

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1): RTX-50-30M ID: .53 (mm) GC Cloumn (2): ID: (mm)

Method: 1311/8151

EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1. MB131641	105	37	140														0
2. LCS131642	129	37	140														0
3. LCSD131643	134	37	140														0

SMC 1 : DCAA SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1) RTX-50-30M ID: .53 (mm) GC Cloumn (2) : ID: (mm)

Method: 1311/8151

EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1. 05-4911B111803	105								0
2. 05-49-11C111803	105								0

CONTROL LIMITS

SMC 1 : DCAA 37 140

SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: 1311/8151

SAMPLE NO : 131642

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
2,4'-D	mg/L	.00202	0	.00185	92		10 - 126
2,4,5-TP (SILVEX)	mg/L	.00202	0	.00141	70		34 - 124

SAMPLE NO : 131643

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
2,4'-D	mg/L	.00202	.0017	84		8		10 - 126	0 - 40
2,4,5-TP (SILVEX)	mg/L	.00202	.00129	64		9		34 - 124	0 - 40

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB131641

Lab Code: LA024 Case No.:

Contract:

Lab Sample ID: 131641

SAS No.: SDG No.: 203111918

Matrix: Water Sulfur Cleanup: (Y/N) N

Date Extracted: 11/22/03

Date Analyzed (1): 11/23/03 Time (1): 1815

Date Analyzed (2): Time (2):

Instrument ID (1): GCS11A

Instrument ID (2):

GC Column (1): RTX-50-30M ID: .53 (mm)

GC Column (2): ID: (mm)

Method: 1311/8151

Prep Batch: 265768 Analytical Batch: 265923

Lab File ID: 2031123/SV1101

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCSD131643	131643	11/23/03	1542		
2.	05-4911B111803	20311191801	11/23/03	1607		
3.	05-49-11C111803	20311191802	11/23/03	1724		
4.	LCS131642	131642	11/24/03	1033		

6E

ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS11A

Calibration Date 1: 11/23/03 Time 1: 1218

GC Column: RTX-50-30M ID: .53 (mm)

Calibration Date 2: 11/23/03 Time 2: 1400

Analytical Batch: 265923

Method: 1311/8151

Lab File ID: Level 1: 1201 Level 2: 1202 Level 3: 1203

Level 4: 1204 Level 5: 1205 Level 6:

Level 7: Level 8: Level 9:

COMPOUND	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	$\overline{RF}$	RSD
2,4'-D	109108.136	111455.636	114731.919	108335.331	105528.153				109831.835	3.152
2,4,5-T	612598.432	610077.521	585248.282	521883.339	495256.839				565012.883	9.461
2,4,5-TP (SILVEX)	740582.924	697432.288	655729.947	588625.882	537826.017				644039.412	12.67
DCAA	55170.763	49750.466	47965.779	45069.836	44670.225				48525.414	8.79

Data File: /var/chem/gcsv11.i/2031123.b/SV11007.d
Report Date: 24-Nov-2003 07:55

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: H8151ICV.spk
Sublist File: ICV.sub
Method File: /var/chem/gcsv11.i/2031123.b/M8151.m
Misc Info:

Client SDG: 2031123
Fraction: SV

Operator: dlb
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
7 2,4-D	200	179	89.68	80-120
8 2,4,5-TP	200	166	83.05	80-120
9 2,4,5-T	200	179	89.57	80-120

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS11A

Calibration Date: 11/23/03 Time: 1840

Lab File ID: 2031123/SV1101

Init. Calib. Date 1: 11/23/03 Time: 1218

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/23/03 Time: 1400

Analytical Batch: 265923

COMPOUND	$\overline{RRF}$	RRF50	% D
2,4'-D	109831.834	111129.485	-1.18
2,4,5-T	565012.882	562856.767	.3816
2,4,5-TP (SILVEX)	644039.411	603199.491	6.341
DCAA	48525.4138	47230.1218	2.669

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS11A

Calibration Date: 11/24/03 Time: 0804

Lab File ID: 2031123/SV1101

Init. Calib. Date 1: 11/23/03 Time: 1218

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/23/03 Time: 1400

Analytical Batch: 265923

COMPOUND	RRF	RRF50	% D
2,4'-D	109831.834	123728.086	-12.6
2,4,5-T	565012.882	542300.683	4.019
2,4,5-TP (SILVEX)	644039.411	593530.620	7.842
DCAA	48525.4138	54658.2035	-12.6

7E

ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Instrument ID: GCS11A

Calibration Date: 11/24/03 Time: 1116

Lab File ID: 2031123/SV1102

Init. Calib. Date 1: 11/23/03 Time: 1218

GC Column: RTX-50-30M ID: .53 (mm)

Init. Calib. Date 2: 11/23/03 Time: 1400

Analytical Batch: 265923

COMPOUND	$\overline{RRF}$	RRF50	% D
2,4'-D	109831.834	0	0
2,4,5-T	565012.882	544808.071	3.575
2,4,5-TP (SILVEX)	644039.411	596359.872	7.403
DCAA	48525.4138	52657.1065	-8.51

TCLP EXTRACTIONS

DATE: 11/9/03 BATCH # 2105747 ANALYST: GJT

Sample Number:	119 +1&12	CHROMITE 203119181	CHROM HILL 203111418003	[redacted]			
Sample Description	EKF	SAND	SAND	Polymer			
1.VISUAL SAMPLE EVALUATION							
100% solid (Skip to 3)* (√)		✓		✓			
Sample is <100% (√)							
2. FILTRATION(Pressure Filtration is Required if Solids are≥ 10%)							
Filter Weight (F)							
Filtrate Vessel Weight (V)							
Subsample Weight (100 g minimum) (S)							
Weight of Liquid Phase (V+liquid)-V (L)							
Weight of Solid Phase (S-L) (SP)							
% Solids (SP/S) x 100 * (%S)							
%Dry Solids = [(Dried SP-F)/S] x 100* (%DS)							
3.EXTRACTION FLUID DETERMINATION							
Particle Size Reduced (app. 1mm) (√)							
Actual Weight of subsample (5.0± 0.1g)		5.0	5.0	5.0			
Actual volume of water (96.5± 1mL)		97	97	97			
Initial pH (After 5 min. mixing) "pH-1"		6.24	6.07	10.67			
√ If pH >5, if 3.5 mL 1N HCl added		✓	✓	✓			
√ If heated and held at 50°C for 10 minutes		✓	✓	✓			
Second pH "pH-2"		12.7	12.5	12.8			
If pH-1 or pH-2 <5.0 use Fluid 1 (√)		✓	✓				
If pH-2 >5.0 use Fluid 11 (√)							
4. PREPARATION FOR EXTRACTION PROCEDURE*							
Particle Size Reduced (95. mm max) (√)							
Weight of Solids to be Extracted (S)		100	100	100			
Filtrate Vessel Weight (multiphasic) (EV)							
Weight of Filtrate + Vessel (multiphasic) (EF)							
Amount of Fluid Needed = 20 x X		2000	2000	2000			
5. TCLP ROTATION (Rotate for 18 ± 2 hours at 23 ± 2°C and 30 ± 2 rpm)							
Start Time (mm/dd)	~~1700~~ 1700	1700	1700	1700			
Stop Time	900	900	900	900			
6. FINAL TCLP EXTRACT							
If the phases will be analyzed separately, determine the volume of each phase:							
Volume Extract obtained in Step 5 (EF-EV)							
Volume filtrate from Step 4 (L)							
pH of TCLP Extract (If two phase,record pH for each phase)	5.07	5.02	5.05	5.09			

* If sample is <0.5 %S or <0.5 %DS; Filter sample , collect filtrate and skip to 6. If sample is 100% solid, use 100 grams sample and 2000mLs fluid.

%DS is only performed if it is suspected that after drying, the %S will be <0.5%.

Temperature: Minimum °C: 16.5 Maximum °C: 27.0

EXTRACTION FLUID #1 pH and ID: 131-34-3

EXTRACTION FLUID #2 pH and ID: _____

Secondary Review: SKB

0001135

000040

HERBICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	11/22/03 1400	BATCH NO:	265768
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	In-house QC Ac	MB for HBN 265768 [EXTO/4553]	131641	1000	10.0	7		LIQUID LIQUID/3520
2	In-house QC Ac	LCS for HBN 265768 [EXTO/4553]	131642	1000	10.0	7		
3	In-house QC Ac	LCSD for HBN 265768 [EXTO/4553	131643	1000	10.0	7		SEPARATORY FUNNEL/3510
4	CH2M HILL Cons	05-4911B111803	20311191801	100	10.0	7		
5	CH2M HILL Cons	05-49-11C111803	20311191802	100	10.0	7		
6								
7								SONICATOR/3550
8								
9								SHAKER
10								
11								
12								
13								WASTE DILUTION/3580
14								
15								
16								
17								
18								
19								
20								
21								Diazomethane Log No:
22								1-73-3
23								Sodium Sulfate Lot No:
24								035188
25								ETHER
26								031920-12
27								METHYLENE CHLORIDE
28								030989

SKD 11/24/03

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

not enough sample for MS-MSD

HERB SURR ID	8-239-1	MATRIX SPIKE ID	8-232-2			TECHNICIAN	DATE
VOLUME	200 ul	VOLUME	200 ul			Brian Jones	11-22-03
CONCENTRATION	20 ug/ml	CONCENTRATION	10 ug/ml				
						SUPERVISOR	DATE
SPIKE WITNESS						John Bailey	11/24/03

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: 12 decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: 05-4911B111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191801

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 2050

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	39900		5690	9100

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: 37 decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: 05-49-11C111803

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 20311191802

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 2147

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	42100		8040	12900

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: MB131377

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131377

Date Collected: Time:

Date Received:

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 1800

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	8000	U	5000	8000

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: LCS131378

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131378

Date Collected: Time:

Date Received:

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 1857

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	86900		5000	8000

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: LCSD131379

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131379

Date Collected: Time:

Date Received:

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 1953

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	91100		5000	8000

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: 05-49-11C111803MS

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131380

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 2243

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	151000		8040	12900

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Soil

Sample wt/vol: 25 Units: g

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: ID: (mm)

Concentrated Extract Volume: 2000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 265702 Analytical Batch: 265907

Sample ID: 05-49-11C111803MSD

Contract:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131381

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Extracted: 11/21/03

Date Analyzed: 11/22/03 Time: 2340

Dilution Factor: 1 Analyst: TLS

Prep Method: FLORIDA PRO

Analytical Method: FLORIDA PRO

Sulfur Cleanup: (Y/N) N Instrument ID: GCS2A

Lab File ID: 2031122/SV2AD0

CONCENTRATION UNITS: ug/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
FLPRO-01	Petroleum Hydrocarbons	145000		8040	12900

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

GC Column (1) ID: (mm) GC Cloumn (2) : ID: (mm)

Method: FLORIDA PRO

	EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1.	05-4911B111803	102				83				0
2.	05-49-11C111803	78				130				0
3.	MB131377	97				98				0
4.	LCS131378	114				64				0
5.	LCSD131379	104				101				0
6.	05-49-11C111803MS	87				86				0
7.	05-49-11C111803MSD	77				88				0

		CONTROL LIMITS	
SMC 1 :	O-Terphenyl	39	119
SMC 2 :	Nonatriacontane	40	139

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 05-49-11C111803

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Contract: Method: FLORIDA PRO

Prep Batch: 265702 Analytical Batch: 265907

Spike HSN : 131380

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Petroleum Hydrocarbons	ug/kg	109000	42100	151000	100		62 - 204

Spike Dupe HSN : 131381

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Petroleum Hydrocarbons	ug/kg	109000	144000	94		5		62 - 204	0 - 25

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 203111918

Contract: _____ Method: FLORIDA PRO

Prep Batch: 265702 Analytical Batch: 265907

Spike HSN : 131378

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Petroleum Hydrocarbons	ug/kg	68000	0	86900	128		63 - 153

Spike Dupe HSN : 131379

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Petroleum Hydrocarbons	ug/kg	68000	91100	134		5		63 - 153	0 - 25

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL

Sample ID: MB131377

Lab Code: LA024 Case No.:

Contract:

Lab Sample ID: 131377

SAS No.: SDG No.: 203111918

Matrix: Soil Sulfur Cleanup: (Y/N) N

Date Extracted: 11/21/03

Date Analyzed (1): 11/22/03 Time (1): 1800

Date Analyzed (2): Time (2):

Instrument ID (1): GCS2A

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

Method: FLORIDA PRO

Prep Batch: 265702 Analytical Batch: 265907

Lab File ID: 2031122/SV2AD0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS131378	131378	11/22/03	1857		
2.	LCSD131379	131379	11/22/03	1953		
3.	05-4911B111803	20311191801	11/22/03	2050		
4.	05-49-11C111803	20311191802	11/22/03	2147		
5.	05-49-11C111803MS	131380	11/22/03	2243		
6.	05-49-11C111803MSD	131381	11/22/03	2340		

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL Contract:

Lab Code: Case No.: 203111918 SAS No.: SDG No.: 203111918

Instrument ID: GCSV2AD Calibration Date(s): 11/22/03 11/22/03

Calibration Time(s): 1014 1458

LAB FILE ID: RRF6 =SV2AD002S RRF50 =SV2AD003S
RRF150=SV2AD004S RRF250=SV2AD005S RRF350=SV2AD006S

COMPOUND	RRF6	RRF50	RRF150	RRF250	RRF350	$\overline{RRF}$	% RSD
Total PRO	194135	185665	192072	162503	146437		
O-TERPHENYL	262858	240221	296960	241745	264263		
Nonatriacontane	36396	36688	24895	39748	34401		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GCAL Contract:

Lab Code: Case No.: 203111918 SAS No.: SDG No.: 203111918

Instrument ID: GCSV2AD Calibration Date(s): 11/22/03 11/22/03

Calibration Time(s): 1014 1458

LAB FILE ID: RRF500=SV2AD007S

COMPOUND	RRF500					$\overline{RRF}$	% RSD
Total PRO	144497					170885	13.2
O-TERPHENYL	255436					260247	7.9
Nonatriacontane	37498					34938	14.9

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: GC MULTI COMP
SpikeList File: PRO.spk
Sublist File: PRO.sub
Method File: /var/chem/gcsv2ad.i/2031122.b/flpro.m
Misc Info:

Client SDG: 2031122
Fraction: SV

Operator: tls
SampleType: LCS
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
20 Total PRO	1700.0000	1485.5931	87.39	50-150

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL Contract:

Lab Code: Case No.: 203111918 SAS No.: SDG No.: 203111918

Instrument ID: GCSV2AD Calibration Date: 11/23/03 Time: 0036

Lab File ID: SV2AD017S Init. Calib. Date(s): 11/22/03 11/22/03

Init. Calib. Times: 1014 1458

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Total PRO	170885	176400		-3.2	
O-TERPHENYL	260247	276922		-6.4	
Nonatriacontane	34938	28987		17.0	

All other compounds must meet a minimum RRF of 0.010.

FLPRO SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	11/21/03 11:00	BATCH NO:	265702
MATRIX:	WATER ☐ SOIL ☑ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Init pH	COMMENTS	METHOD
1	In-house QC Ac	MB for HBN 265702 [EXTO/4543]	131377	25.0	2.0			
2	In-house QC Ac	LCS for HBN 265702 [EXTO/4543]	131378	25.0	2.0			
3	In-house QC Ac	LCSD for HBN 265702 [EXTO/4543	131379	25.0	2.0			SEPARATORY FUNNEL/3510
4	CH2M HILL Cons	05-4911B111803	20311191801	25.0	2.0			
5	CH2M HILL Cons	05-49-11C111803	20311191802	25.0	2.0			
6	In-house QC Ac	05-49-11C111803(131255MS)	131380	25.0	2.0			
7	In-house QC Ac	05-49-11C111803 (131255MSD)	131381	25.0	2.0			SONICATOR/3550
8								
9								
10								
11								SILICA GEL CLEANUP
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								MeCL2 Lot No:
24								630989
25								
26								
27								Sodium Sulfate Lot No:
28								034839

SKIP 11/21/03

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID	8-239-2	FLPRO SPIKE ID	8-233-2			TECHNICIAN	DATE
VOLUME	1.0 mL	VOLUME	200 ul			[illegible]	11-21-3
CONCENTRATION	50/300 ug/mL	CONCENTRATION	500 ug/mL				
ACID						SUPERVISOR	DATE
SPIKE WITNESS	BEJ					John Bailey	11/21/03

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

SOW No.:

EPA Sample No.	*Lab Sample ID.*
05-4911B111803	20311191801
05-49-11C111803	20311191802

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-4911B111803

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med) % Solids: 87.91

Lab Sample ID: 20311191801

Date Received: 11/19/03 Time: 1015

Date Collected: 11/18/03 Time: 0830

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0038	0.20	SW-846 1311/6010B	P
Barium	0.067	mg/L	B	0.00050	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0017	mg/L	B	0.00070	0.050	SW-846 1311/6010B	P
Lead	8.54	mg/L		0.0018	0.10	SW-846 1311/6010B	P
Mercury	0.00020	mg/L	U	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.013	mg/L	B	0.0036	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00060	0.050	SW-846 1311/6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 05-49-11C111803
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 203111918
Level: (low / med)
% Solids: 62.17
Lab Sample ID: 20311191802
Date Received: 11/19/03
Time: 1015
Date Collected: 11/18/03
Time: 0830

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Arsenic	0.20	mg/L	U	0.0038	0.20	SW-846 1311/6010B	P
Barium	0.072	mg/L	B	0.00050	1.00	SW-846 1311/6010B	P
Cadmium	0.010	mg/L	U	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.0012	mg/L	B	0.00070	0.050	SW-846 1311/6010B	P
Lead	11.6	mg/L		0.0018	0.10	SW-846 1311/6010B	P
Mercury	0.00010	mg/L	B	0.00008	0.00020	SW-846 1311/7470A	AV
Selenium	0.010	mg/L	B	0.0036	0.10	SW-846 1311/6010B	P
Silver	0.050	mg/L	U	0.00060	0.050	SW-846 1311/6010B	P

FORM I - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-38-10 CPI/EXAXOL
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1516

INITIAL CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	1.00	0.980	98	mg/L	SW-846 1311/6010B	P
Arsenic	1.00	0.960	96	mg/L	SW-846 1311/6010B	P
Beryllium	1.00	0.990	99	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	0.990	99	mg/L	SW-846 1311/6010B	P
Calcium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Chromium	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Cobalt	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Copper	1.00	0.970	97	mg/L	SW-846 1311/6010B	P
Iron	1.00	0.990	99	mg/L	SW-846 1311/6010B	P
Lead	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Magnesium	1.00	1.03	103	mg/L	SW-846 1311/6010B	P
Manganese	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Molybdenum	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Nickel	1.00	1.01	101	mg/L	SW-846 1311/6010B	P
Selenium	1.00	0.980	98	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Strontium	1.00	0.740	74	mg/L	SW-846 1311/6010B	P
Thallium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Titanium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Vanadium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Zinc	1.00	0.990	99	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-39-1
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1522

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.92	99	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.00	100	mg/L	SW-846 1311/6010B	P
Boron	5.00	4.90	98	mg/L	SW-846 1311/6010B	P
Tin	1.00	0.990	99	mg/L	SW-846 1311/6010B	P
Zirconium	1.00	0.950	95	mg/L	SW-846 1311/6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-37-6 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1543

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.06	101	mg/L	SW-846 1311/6010B	P
Arsenic	0.500	0.500	99	mg/L	SW-846 1311/6010B	P
Barium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.04	101	mg/L	SW-846 1311/6010B	P
Chromium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.10	102	mg/L	SW-846 1311/6010B	P
Lead	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Strontium	0.500	0.450	90	mg/L	SW-846 1311/6010B	P
Thallium	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Vanadium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Zirconium	0.500	0.480	96	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-37-6 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1650

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Arsenic	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Beryllium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Cobalt	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.11	102	mg/L	SW-846 1311/6010B	P
Lead	0.500	0.510	103	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.09	102	mg/L	SW-846 1311/6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Strontium	0.500	0.450	90	mg/L	SW-846 1311/6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Vanadium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Zinc	0.500	0.520	103	mg/L	SW-846 1311/6010B	P
Zirconium	0.500	0.470	94	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-37-6 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1759

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.05	101	mg/L	SW-846 1311/6010B	P
Arsenic	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Barium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Beryllium	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Cadmium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.03	101	mg/L	SW-846 1311/6010B	P
Chromium	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.04	101	mg/L	SW-846 1311/6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 1311/6010B	P
Strontium	0.500	0.450	90	mg/L	SW-846 1311/6010B	P
Thallium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Vanadium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Zinc	0.500	0.510	103	mg/L	SW-846 1311/6010B	P
Zirconium	0.500	0.480	95	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-37-6 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 2
Date Analyzed: 11/20/03 Time: 1901

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.08	102	mg/L	SW-846 1311/6010B	P
Arsenic	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Barium	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Cadmium	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Calcium	5.00	5.02	100	mg/L	SW-846 1311/6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Cobalt	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Copper	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Iron	5.00	5.07	101	mg/L	SW-846 1311/6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Magnesium	5.00	5.01	100	mg/L	SW-846 1311/6010B	P
Manganese	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Nickel	0.500	0.510	101	mg/L	SW-846 1311/6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 1311/6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 1311/6010B	P
Strontium	0.500	0.450	91	mg/L	SW-846 1311/6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 1311/6010B	P
Vanadium	0.500	0.500	101	mg/L	SW-846 1311/6010B	P
Zinc	0.500	0.510	103	mg/L	SW-846 1311/6010B	P
Zirconium	0.500	0.470	94	mg/L	SW-846 1311/6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Calibration Source: 106-38-6 CPI

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 11/20/03 Time: 0910

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00476	95	mg/L	SW-846 1311/7470A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-38-5 EXAXOL
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 11/20/03 Time: 0914

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00495	99	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Calibration Source: 106-38-5 EXAXOL

Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 11/20/03 Time: 1414

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00515	103	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203111918
Calibration Source: 106-38-5 EXAXOL
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 11/20/03 Time: 1432

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00522	104	mg/L	SW-846 1311/7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: ICB

ICAL ID: 2

Lab Sample DESC: ICB FOR HBN 265775 [ICP/2103]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1527

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0038	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00070	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0010	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0036	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 265775 [ICP/2103]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1554

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0038	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00070	0.010	SW-846 1311/6010B	P
Lead	0.0013	B	mg/L	0.0010	0.015	SW-846 1311/6010B	P
Selenium	0.0047	B	mg/L	0.0036	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 265775 [ICP/2103]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1700

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.0065	B	mg/L	0.0038	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00070	0.010	SW-846 1311/6010B	P
Lead	0.0018	B	mg/L	0.0010	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0036	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131590

ICAL ID: 2

Lab Sample DESC: MB131590

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1749

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.20	U	mg/L	0.0038	0.20	SW-846 1311/6010B	P
Barium	0.00072	B	mg/L	0.00050	1.00	SW-846 1311/6010B	P
Cadmium	0.010	U	mg/L	0.00020	0.010	SW-846 1311/6010B	P
Chromium	0.050	U	mg/L	0.00070	0.050	SW-846 1311/6010B	P
Lead	0.10	U	mg/L	0.0018	0.10	SW-846 1311/6010B	P
Selenium	0.011	B	mg/L	0.0036	0.10	SW-846 1311/6010B	P
Silver	0.050	U	mg/L	0.00060	0.050	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 265775 [ICP/2103]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1809

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Arsenic	0.040	U	mg/L	0.0038	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00070	0.010	SW-846 1311/6010B	P
Lead	0.0015	B	mg/L	0.0010	0.015	SW-846 1311/6010B	P
Selenium	0.040	U	mg/L	0.0036	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 265775 [ICP/2103]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 11/20/03 Time: 1911

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Arsenic	0.040	U	mg/L	0.0038	0.040	SW-846 1311/6010B	P
Barium	0.010	U	mg/L	0.00050	0.010	SW-846 1311/6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 1311/6010B	P
Chromium	0.010	U	mg/L	0.00070	0.010	SW-846 1311/6010B	P
Lead	0.015	U	mg/L	0.0010	0.015	SW-846 1311/6010B	P
Selenium	0.011	B	mg/L	0.0036	0.040	SW-846 1311/6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 1311/6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: ICB

ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 265729 [HG/1733]

Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1

Date Analyzed: 11/20/03 Time: 0912

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00003	0.00020	SW-846 1311/7470A	AV

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 265729 [HG/1733]

Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1

Date Analyzed: 11/20/03 Time: 0915

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00003	0.00020	SW-846 1311/7470A	AV

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 265729 [HG/1733]

Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1

Date Analyzed: 11/20/03 Time: 1416

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00003	0.00020	SW-846 1311/7470A	AV

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: 131595

ICAL ID: 1

Lab Sample DESC: MB131595

Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1

Date Analyzed: 11/20/03 Time: 1418

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00011	B	mg/L	0.00008	0.00020	SW-846 1311/7470A	AV

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203111918

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 265729 [HG/1733]

Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1

Date Analyzed: 11/20/03 Time: 1433

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00020	U	mg/L	0.00003	0.00020	SW-846 1311/7470A	AV

FORM III - IN

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

ICP ID Number: ICP2 ICS Source: 106-38-2 SPEX~

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	211	211	106			
Antimony	0	1.00		0.94	94			
Arsenic	0	1.00		0.95	95			
Barium	0	0.50		0.50	100			
Beryllium	0	0.50		0.51	102			
Boron	0	1.00		1.05	105			
Cadmium	0	1.00		0.98	98			
Calcium	200	200	197	196	98			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.49	98			
Copper	0	0.50		0.52	104			
Iron	80.0	80.0	79.7	79.4	99			
Lead	0	1.00		0.98	98			
Magnesium	200	200	213	212	106			
Manganese	0	0.50		0.51	102			
Molybdenum	0	1.00		1.05	105			
Nickel	0	1.00		0.95	95			
Selenium	0	1.00		1.05	105			
Silver	0	1.00		1.04	104			
Thallium	0	1.00		1.02	102			
Vanadium	0	0.50		0.51	102			
Zinc	0	1.00		1.03	103			

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49-11C111803MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med)

Lab Sample ID: 131593

Orig Lab Sample ID: 20311191802

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Arsenic	75	125	1.05		0	U	1.00	105		mg/L	SW-846 1311/6010B	P
Barium	75	125	1.07		0.072	B	1.00	100		mg/L	SW-846 1311/6010B	P
Cadmium	75	125	0.98		0	U	1.00	98		mg/L	SW-846 1311/6010B	P
Chromium	75	125	0.98		0.0012	B	1.00	98		mg/L	SW-846 1311/6010B	P
Lead	75	125	13.0		11.6		1.00	137	N	mg/L	SW-846 1311/6010B	P
Selenium	75	125	1.13		0.010	B	1.00	112		mg/L	SW-846 1311/6010B	P
Silver	75	125	1.04		0	U	1.00	104		mg/L	SW-846 1311/6010B	P

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49-11C111803MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med)

Lab Sample ID: 131598

Orig Lab Sample ID: 20311191802

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.00540		0.0001	B	0.00500	106		mg/L	SW-846 1311/7470A	AV

FORM V (PART 1) - IN

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49-11C111803MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med)

Lab Sample ID: 131594

Orig Lab Sample ID: 20311191802

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Arsenic	75	125	1.06		0	U	1.00	106		mg/L	SW-846 1311/6010B	P
Barium	75	125	1.08		0.072	B	1.00	101		mg/L	SW-846 1311/6010B	P
Cadmium	75	125	0.99		0	U	1.00	99		mg/L	SW-846 1311/6010B	P
Chromium	75	125	0.99		0.0012	B	1.00	99		mg/L	SW-846 1311/6010B	P
Lead	75	125	13.0		11.6		1.00	135	N	mg/L	SW-846 1311/6010B	P
Selenium	75	125	1.15		0.010	B	1.00	114		mg/L	SW-846 1311/6010B	P
Silver	75	125	1.07		0	U	1.00	107		mg/L	SW-846 1311/6010B	P

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49-11C111803MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med)

Lab Sample ID: 131599

Orig Lab Sample ID: 20311191802

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.00540		0.0001	B	0.00500	106		mg/L	SW-846 1311/7470A	AV

FORM V (PART 1) - IN

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49-11C111803PDS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

Level: (low / med)

Lab Sample ID: 131726

Orig Lab Sample ID: 20311191802

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Arsenic			1.04		0	U	1.00	104		mg/L	SW-846 1311/6010B	P
Barium			1.05		0.072	B	1.00	98		mg/L	SW-846 1311/6010B	P
Cadmium			0.96		0	U	1.00	96		mg/L	SW-846 1311/6010B	P
Chromium			0.97		0.0012	B	1.00	97		mg/L	SW-846 1311/6010B	P
Lead			12.3		11.6		1.00	66		mg/L	SW-846 1311/6010B	P
Selenium			1.12		0.010	B	1.00	111		mg/L	SW-846 1311/6010B	P
Silver			1.03		0	U	1.00	103		mg/L	SW-846 1311/6010B	P

DUPLICATES

Lab Name: GCAL

Sample ID: 05-49-11C111803DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 131592

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Arsenic	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Barium	0	20	0.072	B	0.070	B	3		mg/L	SW-846 1311/6010B	P
Cadmium	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P
Chromium	0	20	0.0012	B	0.0015	B	22	*	mg/L	SW-846 1311/6010B	P
Lead	0	20	11.6		11.5		.9		mg/L	SW-846 1311/6010B	P
Selenium	0	20	0.010	B	0.020	B	67	*	mg/L	SW-846 1311/6010B	P
Silver	0	20	0	U	0	U	0		mg/L	SW-846 1311/6010B	P

DUPLICATES

Lab Name: GCAL

Sample ID: 05-49-11C111803DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Soil

SAS No.: SDG No.: 203111918

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 131597

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Mercury	0	20	0.0001	B	0.00008	B	22	*	mg/L	SW-846 1311/7470A	AV

FORM VI - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS131591

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203111918

Lab Sample ID: 131591

LCS Source: 334-19-12 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Arsenic	1.00	1.02	102	80	120	mg/L	SW-846 1311/6010B	P
Barium	1.00	1.00	100	80	120	mg/L	SW-846 1311/6010B	P
Cadmium	1.00	0.98	98	80	120	mg/L	SW-846 1311/6010B	P
Chromium	1.00	0.99	99	80	120	mg/L	SW-846 1311/6010B	P
Lead	1.00	0.95	95	80	120	mg/L	SW-846 1311/6010B	P
Selenium	1.00	1.12	112	80	120	mg/L	SW-846 1311/6010B	P
Silver	1.00	1.07	107	80	120	mg/L	SW-846 1311/6010B	P

FORM VII - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS131596

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203111918

Lab Sample ID: 131596

LCS Source: 106-38-5 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00543	109	80	120	mg/L	SW-846 1311/7470A	AV

FORM VII - IN

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Method: 3010A Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
05-49-11C111803	11/20/03			50	mL
05-49-11C111803DUP	11/20/03			50	mL
05-49-11C111803MS	11/20/03			50	mL
05-49-11C111803MSD	11/20/03			50	mL
05-4911B111803	11/20/03			50	mL
LCS131591	11/20/03			50	mL
MB131590	11/20/03			50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
05-49-11C111803	11/20/03			20	mL
05-49-11C111803DUP	11/20/03			20	mL
05-49-11C111803MS	11/20/03			20	mL
05-49-11C111803MSD	11/20/03			20	mL
05-4911B111803	11/20/03			20	mL
LCS131596	11/20/03			20	mL
MB131595	11/20/03			20	mL

ANALYSIS RUN LOG

Lab Name: GCAL | Contract: | Start Date: 11/20/03

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 203111918 | End Date: 11/20/03

Instrument ID Number: ICP2 | Method: SW-846 1311/60 | Method Type: P

				Analyte Symbols																														
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	1516			X				X		X				X								X		X								
ICV2	*	1	1522				X																											
ICB	*	1	1527			X	X			X		X				X								X		X								
ICSA	*	1	1532			X	X			X		X				X								X		X								
ICSAB	*	1	1538			X	X			X		X				X								X		X								
CCV	*	1	1543			X	X			X		X				X								X		X								
CCV2	*	1	1549																															
CCB	*	1	1554			X	X			X		X				X								X		X								
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1559																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1604																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1609																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1614																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1619																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1624																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1630																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1635																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1640																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1645																															
CCV	*	1	1650			X	X			X		X				X								X		X								
CCV2	*	1	1655																															
CCB	*	1	1700			X	X			X		X				X								X		X								
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1705																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1711																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1716																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		10	1732																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		10	1743																															
MB131590	*	1	1749			X	X			X		X				X								X		X								

000189

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 11/20/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918 End Date: 11/20/03

Instrument ID Number: ICP2 Method: SW-846 1311/60 Method Type: P

Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
				Analyte Symbols																														
LCS131591	*	1	1753			X	X			X		X				X								X		X								
CCV	*	1	1759			X	X			X		X				X								X		X								
CCV2	*	1	1804																															
CCB	*	1	1809			X	X			X		X				X								X		X								
05-49-11C111803	*	1	1814			X	X			X		X				X								X		X								
05-49-11C111803DUP	*	1	1819			X	X			X		X				X								X		X								
05-49-11C111803MS	*	1	1824			X	X			X		X				X								X		X								
05-49-11C111803MSD	*	1	1829			X	X			X		X				X								X		X								
05-49-11C111803PDS	*	1	1835			X	X			X		X				X								X		X								
05-49-11C111803SD	*	5	1840			X	X			X		X				X								X		X								
05-4911B111803	*	1	1845			X	X			X		X				X								X		X								
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1850																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1855																															
CCV	*	1	1901			X	X			X		X				X								X		X								
CCV2	*	1	1906																															
CCB	*	1	1911			X	X			X		X				X								X		X								

000190

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 11/20/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918 End Date: 11/20/03

Instrument ID Number: FIMS1 Method: SW-846 1311/74 Method Type: AV

				Analyte Symbols																														
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Sl	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	0910																	X														
ICB	*	1	0912																	X														
CCV	*	1	0914																	X														
CCB	*	1	0915																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0917																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0919																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0921																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0922																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0924																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0926																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0927																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0929																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0931																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0933																															
CCV	*	1	0934																															
CCB	*	1	0936																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	0938																															
CCV	*	1	0940																															
CCB	*	1	0941																															
CCV	*	1	1057																															
CCB	*	1	1059																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1100																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1102																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1104																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1105																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1107																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1109																															

0001191

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL
Contract:
Start Date: 11/20/03

Lab Code: LA024
Case No.:
SAS No.:
SDG No.: 203111918
End Date: 11/20/03

Instrument ID Number: FIMS1
Method: SW-846 1311/74
Method Type: AV

Sample No.	PF	D/F	Time	Analyte Symbols																													
				Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Sl	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1111																														
CCV	*	1	1112																														
CCB	*	1	1114																														
CCV	*	1	1223																														
CCB	*	1	1224																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1226																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1228																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1230																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1231																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1233																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1235																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1236																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1238																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1240																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1242																														
CCV	*	1	1244																														
CCB	*	1	1245																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1247																														
CCV	*	1	1249																														
CCB	*	1	1251																														
CCV	*	1	1414																	X													
CCB	*	1	1416																	X													
MB131595	*	1	1418																	X													
LCS131596	*	1	1419																	X													
05-49-11C111803	*	1	1421																	X													
05-49-11C111803DUP	*	1	1423																	X													
05-49-11C111803MS	*	1	1425																	X													

000192

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 11/20/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918 End Date: 11/20/03

Instrument ID Number: FIMS1 Method: SW-846 1311/74 Method Type: AV

				Analyte Symbols																													
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
05-49-11C111803MSD	*	1	1426																	X														
05-4911B111803	*	1	1428																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1430																															
CCV	*	1	1432																	X														
CCB	*	1	1433																	X														

0001193

FORM XIV - IN

TCLP EXTRACTIONS

DATE: 11/19/03 BATCH # 2105747 ANALYST: MJT

Sample Number:		[illegible]	CHRMHILL 2031119001	CHRM HILL 2031119800	[redacted]			
Sample Description		EKG	SAND	SAND	Polymer			
1.VISUAL SAMPLE EVALUATION								
100% solid (Skip to 3)*	(√)		✓	-	✓			
Sample is <100%	(√)							
2. FILTRATION(Pressure Filtration is Required if Solids are≥ 10%)								
Filter Weight	(F)							
Filtrate Vessel Weight	(V)							
Subsample Weight (100 g minimum)	(S)							
Weight of Liquid Phase (V+liquid)-V	(L)							
Weight of Solid Phase (S-L)	(SP)							
% Solids (SP/S) x 100 *	(%S)							
%Dry Solids = [(Dried SP-F)/S] x 100*	(%DS)							
3.EXTRACTION FLUID DETERMINATION								
Particle Size Reduced (app. 1mm)	(√)							
Actual Weight of subsample (5.0± 0.1g)			5.0	5.0	5.0			
Actual volume of water (96.5± 1mL)			97	97	97			
Initial pH (After 5 min. mixing)	"pH-1"		6.25	6.07	10.57			
√ If pH >5, If 3.5 mL 1N HCl added			✓	✓	✓			
√ If heated and held at 50°C for 10 minutes			✓	✓	✓			
Second pH	"pH-2"		12.7	12.8	12.8			
If pH-1 or pH-2 <5.0 use Fluid 1	(√)		✓	✓				
If pH-2 >5.0 use Fluid 11	(√)							
4. PREPARATION FOR EXTRACTION PROCEDURE*								
Particle Size Reduced (95. mm max)	(√)							
Weight of Solids to be Extracted	(X)		100	100	100			
Filtrate Vessel Weight (multiphasic)	(EV)							
Weight of Filtrate + Vessel (multiphasic)	(EF)							
Amount of Fluid Needed = 20 x X			2000	2000	2000			
5. TCLP ROTATION (Rotate for 18 ± 2 hours at 23 ± 2°C and 30 ± 2 rpm)								
Start Time	military	~~1754~~ 1700	1700	1700	1700			
Stop Time		900	900	900	900			
6. FINAL TCLP EXTRACT								
If the phases will be analyzed separately, determine the volume of each phase:								
Volume Extract obtained in Step 5 (EF-EV)								
Volume filtrate from Step 4 (L)								
pH of TCLP Extract (If two phase,record pH for each phase)		507	502	505	509			

* If sample is <0.5 %S or <0.5 %DS; Filter sample , collect filtrate and skip to 6. If sample is 100% solid, use 100 grams sample and 2000mLs fluid.

%DS is only performed if it is suspected that after drying, the %S will be <0.5%.

Temperature: Minimum °C: 16.5 Maximum °C: 27.0

EXTRACTION FLUID #1 pH and ID: (3)-34-3

EXTRACTION FLUID #2 pH and ID: _____

Secondary Review: SKB

000194

000040

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

4°C

COC NUMBER
148799-060

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Former NAS Cecil Field	148799	Gulf Coast Labs. Dano Merril	Jeff Marks, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Waste Characterization Sampling	CTO 005	4139	Bonnie Hogue CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Jeff Marks, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Ph:(225) 769-4900		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	TCLP Volatiles by SW-846 8260B, TCLP Semi-Volatiles by SW-846 8270C, TCLP Pesticides by SW-846 8081A, PCBs by SW-846 8082, TCLP Herbicides by Sw-846 8151A, TCLP Metals by SW-846 6010A, TPH byFL-PRO, Corrosivity by 9045n, Ignitability by 1020	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	05-4911B111803	Site 49 11B Waste Characterization	S	11/18/03	8:30	III/B	4	2	Grab		-01
2	05-4911C111803	Site 49 11C Waste Characterization	S	11/18/03	8:30	III/B	4	2	Grab		-02
3	05-49TB111803	Trip Blank	W	NA	NA	III/B	4	3	Grab		-03
4											
5											
6											
7											
8											
9											
10											

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Jeff Marks / Scott Sloan J.A. Jones Environmental Services	UPS Tracking Number: 1Z2AE0480140488602.	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Randy Dumaop	11/18/2003	12:00	UPS Tracking Number: 1Z2AE0480140488602.	11/18/2003	12:00
Printed Name and Signature:			Printed Name and Signature:		
Fed ex - 79647479-6782	11/19/03	1015	Michelle Raborn	11-19-03	1043

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 02/00

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	203111918	Type:	D
Desc:		Report:	REVIEW_RPT
Work ID:	NAS Cecil Field	Status:	WP
Project Seq:	16626	Created:	11/19/03 10:45
Client:	4380 - CH2M HILL Constructors Inc.	QA:	
Profile:	29790 - CTO 0005 - NAS Cecil Field	PO:	4139

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20311191801-1	LA	NONE			X			X	OK
20311191801-2	2	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20311191802-1	LA	NONE			X			X	OK
20311191802-2	2	NONE			X			X	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20311191803-1	40	NONE			X				OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [✓] Yes [ ] No
In tact [✓] Yes [ ] No

CUSTODIAN MB

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-4911B111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec. 12

GC Column: DB-624-30M ID: .53 (mm

Instrument ID: MSV5

Soil Extract Volume: (µL

Soil Aliquot Volume: (µL

Lab Sample ID: 20311191801

Lab File ID: 2031121/D1010

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Analyzed: 11/21/03 Time: 1954

Dilution Factor: 40 Analyst: RSP

Prep Batch: Analytical Batch: 265755

Analytical Method: 1311/8260B

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT		MDL	RL
75-35-4	1,1-Dichloroethene	0.200	U	0.019	0.200
107-06-2	1,2-Dichloroethane	0.200	U	0.017	0.200
78-93-3	2-Butanone	1.00	U	0.022	1.00
71-43-2	Benzene	0.200	U	0.017	0.200
56-23-5	Carbon tetrachloride	0.200	U	0.014	0.200
108-90-7	Chlorobenzene	0.200	U	0.018	0.200
67-66-3	Chloroform	0.200	U	0.018	0.200
127-18-4	Tetrachloroethene	0.200	U	0.016	0.200
79-01-6	Trichloroethene	0.200	U	0.017	0.200
75-01-4	Vinyl chloride	0.200	U	0.020	0.200

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49-11C111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec. 37

GC Column: DB-624-30M ID: .53 (mm

Instrument ID: MSV5

Soil Extract Volume: (µL

Soil Aliquot Volume: (µL

Lab Sample ID: 20311191802

Lab File ID: 2031121/D1011

Date Collected: 11/18/03 Time: 0830

Date Received: 11/19/03

Date Analyzed: 11/21/03 Time: 2017

Dilution Factor: 40 Analyst: RSP

Prep Batch: Analytical Batch: 265755

Analytical Method: 1311/8260B

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT		MDL	RL
75-35-4	1,1-Dichloroethene	0.200	U	0.019	0.200
107-06-2	1,2-Dichloroethane	0.200	U	0.017	0.200
78-93-3	2-Butanone	1.00	U	0.022	1.00
71-43-2	Benzene	0.200	U	0.017	0.200
56-23-5	Carbon tetrachloride	0.200	U	0.014	0.200
108-90-7	Chlorobenzene	0.200	U	0.018	0.200
67-66-3	Chloroform	0.200	U	0.018	0.200
127-18-4	Tetrachloroethene	0.200	U	0.016	0.200
79-01-6	Trichloroethene	0.200	U	0.017	0.200
75-01-4	Vinyl chloride	0.200	U	0.020	0.200

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49TB111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-624-30M ID: .53 (mm

Instrument ID: MSV1

Soil Extract Volume: (µL

Soil Aliquot Volume: (µL

Lab Sample ID: 20311191803

Lab File ID: 2031123/S5302

Date Collected: 11/18/03 Time: 0000

Date Received: 11/19/03

Date Analyzed: 11/23/03 Time: 1752

Dilution Factor: 1 Analyst: HJL

Prep Batch: Analytical Batch: 265889

Analytical Method: SW-846 8260

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT		MDL	RL
71-55-6	1,1,1-Trichloroethane	5.00	U	0.848	5.00
79-34-5	1,1,2,2-Tetrachloroethane	0.200	U	0.200	0.200
79-00-5	1,1,2-Trichloroethane	5.00	U	0.851	5.00
75-34-3	1,1-Dichloroethane	5.00	U	0.822	5.00
75-35-4	1,1-Dichloroethene	5.00	U	0.896	5.00
120-82-1	1,2,4-Trichlorobenzene	0.520	J	0.367	5.00
96-12-8	1,2-Dibromo-3-chloropropane	0.200	U	0.200	0.200
106-93-4	1,2-Dibromoethane	0.200	U	0.200	0.200
95-50-1	1,2-Dichlorobenzene	5.00	U	0.531	5.00
107-06-2	1,2-Dichloroethane	3.00	U	0.821	3.00
78-87-5	1,2-Dichloropropane	5.00	U	0.734	5.00
541-73-1	1,3-Dichlorobenzene	5.00	U	0.686	5.00
106-46-7	1,4-Dichlorobenzene	5.00	U	0.471	5.00
78-93-3	2-Butanone	10.0	U	0.817	10.0
591-78-6	2-Hexanone	10.0	U	0.833	10.0
108-10-1	4-Methyl-2-pentanone	10.0	U	0.820	10.0
67-64-1	Acetone	10.0	U	0.932	10.0
71-43-2	Benzene	1.00	U	0.836	1.00
75-27-4	Bromodichloromethane	0.600	U	0.600	0.600
75-25-2	Bromoform	4.00	U	0.742	4.00
74-83-9	Bromomethane	5.00	U	0.962	5.00
75-15-0	Carbon disulfide	5.00	U	0.764	5.00
56-23-5	Carbon tetrachloride	3.00	U	0.848	3.00
108-90-7	Chlorobenzene	5.00	U	0.713	5.00
75-00-3	Chloroethane	5.00	U	0.820	5.00
67-66-3	Chloroform	5.00	U	0.919	5.00
74-87-3	Chloromethane	2.70	U	0.823	2.70
110-82-7	Cyclohexane	5.00	U	1.00	5.00
124-48-1	Dibromochloromethane	0.400	U	0.400	0.400
75-71-8	Dichlorodifluoromethane	5.00	U	0.802	5.00
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.757	5.00
10061-02-6	trans-1,3-Dichloropropene	5.00	U	0.633	5.00
100-41-4	Ethylbenzene	5.00	U	0.690	5.00

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

05-49TB111803

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203111918

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL

Level: (low/med) LOW

% Moisture: not dec.

GC Column: DB-624-30M ID: .53 (mm

Instrument ID: MSV1

Soil Extract Volume: (µL

Soil Aliquot Volume: (µL

Lab Sample ID: 20311191803

Lab File ID: 2031123/S5302

Date Collected: 11/18/03 Time: 0000

Date Received: 11/19/03

Date Analyzed: 11/23/03 Time: 1752

Dilution Factor: 1 Analyst: HJL

Prep Batch: Analytical Batch: 265889

Analytical Method: SW-846 8260

CONCENTRATION UNITS: ug/L

CAS NO.	COMPOUND	RESULT		MDL	RL
98-82-8	Isopropylbenzene (Cumene)	5.00	U	0.558	5.00
79-20-9	Methyl Acetate	5.00	U	1.00	5.00
108-87-2	Methylcyclohexane	5.00	U	1.00	5.00
75-09-2	Methylene chloride	5.00	U	0.748	5.00
100-42-5	Styrene	5.00	U	0.699	5.00
127-18-4	Tetrachloroethene	3.00	U	0.692	3.00
108-88-3	Toluene	5.00	U	0.678	5.00
79-01-6	Trichloroethene	3.00	U	0.989	3.00
75-69-4	Trichlorofluoromethane	5.00	U	0.926	5.00
76-13-1	Trichlorotrifluoroethane	5.00	U	0.480	5.00
75-01-4	Vinyl chloride	1.00	U	1.00	1.00
1330-20-7	Xylene (total)	5.00	U	2.24	5.00
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.751	5.00
1634-04-4	tert-Butyl methyl ether (MTBE)	5.00	U	0.531	5.00
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.735	5.00

CL

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

4°C

COC NUMBER
148799-060

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Former NAS Cecil Field	148799	Gulf Coast Labs. Dano Merril	Jeff Marks, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Waste Characterization Sampling	CTO 005	4139	Bonnie Hogue CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Jeff Marks, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Ph:(225) 769-4900		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	TCLP Volatiles by SW-846 8260B, TCLP Semi-Volatiles by SW-846 8270C, TCLP Pesticides by SW-846 8081A, PCBs by SW-846 8082, TCLP Herbicides by Sw-846 8151A, TCLP Metals by SW-846 6010A, TPH byFL-PRO, Corrosivity by 9045a, Ignitability by 1020	SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	05-4911B111803	Site 49 11B Waste Characterization	S	11/18/03	8:30	III/B	4	2	Grab		-01
2	05-4911C111803	Site 49 11C Waste Characterization	S	11/18/03	8:30	III/B	4	2	Grab		-02
3	05-49TB111803	Trip Blank	W	NA	NA	III/B	4	3	Grab		-03
4											
5											
6											
7											
8											
9											
10											

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Jeff Marks / Scott Sloan J.A. Jones Environmental Services	UPS Tracking Number: 1Z2AE0480140488602.	

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Randy Dumaop	11/18/2003	12:00	UPS Tracking Number: 1Z2AE0480140488602.	11/18/2003	12:00
Printed Name and Signature:			Printed Name and Signature:		
Fedex - 79047479-6782	11/19/03	1015	Michelle Raborn	11-19-03	1043

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 02/00

0004C

Appendix D

Surface Water Laboratory Analytical Reports
(provided on CD)

GULF COAST
ANALYTICAL LABORATORIES, INC.

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 8/19/02

GCAL REPORT NO.: 202081613

Deliver To:	CH2M HILL Constructors Inc. 115 Perimeter Center Place N.E., Suite 700 Atlanta, GA 30346-1278 770-604-9182 Ext. 562
Attn:	Tatianna Romanova

CUSTOMER NAME: CH2M HILL Constructors Inc.

PROJECT NAME: NAS Cecil Field

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202081613

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were found to be within quality control criteria.

Spike/Duplicate (S/D): All S/D recoveries were within quality control criteria.

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: No unusual analytical problems were encountered during the analysis of these samples.

LABORATORY ENDORSEMENT

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND-Indicates that the parameter was not detected at the specified detection limit
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous to Count
SUBC-Indicates that the analysis was subcontracted
FLD-Indicates that the parameter was performed in the field
PQL-Practical Quantitation Limit
MDL-Method Detection Limit
RDL-Reporting Detection Limit

Reporting Flags Utilized in this Report

J-Indicates that the result was detected between the PQL and MDL
U-Indicates that the result was not detected at the referenced detection limit
B-Organics Indicates that the compound was detected in the associated Method Blank
B-Inorganics Indicates that the compound was detected between the PQL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Scott Bailey

SCOTT A. BAILEY
OPERATIONS MANAGER
GCAL REPORT NO.: 202081613

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20208161301	005-49-SW-0815-02	Water	8/15/02 9:00	8/16/02 9:30
20208161302	005-49-I-SW-0815-02	Water	8/15/02 9:15	8/16/02 9:30

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202081613

SOW No.:

EPA Sample No.	*Lab Sample ID.*
005-49-SW-0815-02	20208161301
005-49-I-SW-0815-02	20208161302

Were ICP interelement corrections applied ?	Yes / No	YES
Were ICP background corrections applied ?	Yes / No	YES
If yes-were raw data generated before application of background corrections ?	Yes / No	NO

U.S. EPA - CLP
INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 005-49-SW-0815-02
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
Level: (low / med)
% Solids:
Lab Sample ID: 20208161301
Date Received: 08/16/02
Time: 0930
Date Collected: 08/15/02
Time: 0900

Analyte	Concentration	Units	C	Q	MDL	PQL	Method	Type
Lead	0.51	mg/L			0.0013	0.015	SW-846 6010B	P

FORM I - IN

U.S. EPA - CLP
INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 005-49-I-SW-0815-02
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
Level: (low / med)
% Solids:
Lab Sample ID: 20208161302
Date Received: 08/16/02
Time: 0930
Date Collected: 08/15/02
Time: 0915

Analyte	Concentration	Units	C	Q	MDL	PQL	Method	Type
Lead	0.53	mg/L			0.0013	0.015	SW-846 6010B	P

FORM I - IN

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Calibration Source: 100-64-1
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 08/16/02 Time: 1513

INITIAL CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	1.00	0.970	97	mg/L	SW-846 6010B	P
Arsenic	1.00	1.01	101	mg/L	SW-846 6010B	P
Beryllium	1.00	1.01	101	mg/L	SW-846 6010B	P
Cadmium	1.00	1.01	101	mg/L	SW-846 6010B	P
Calcium	1.00	1.05	105	mg/L	SW-846 6010B	P
Chromium	1.00	1.02	102	mg/L	SW-846 6010B	P
Cobalt	1.00	1.01	101	mg/L	SW-846 6010B	P
Copper	1.00	0.970	97	mg/L	SW-846 6010B	P
Iron	1.00	1.01	101	mg/L	SW-846 6010B	P
Lead	1.00	1.02	102	mg/L	SW-846 6010B	P
Magnesium	1.00	1.00	100	mg/L	SW-846 6010B	P
Manganese	1.00	1.02	102	mg/L	SW-846 6010B	P
Molybdenum	1.00	1.02	102	mg/L	SW-846 6010B	P
Nickel	1.00	1.01	101	mg/L	SW-846 6010B	P
Selenium	1.00	0.990	99	mg/L	SW-846 6010B	P
Silver	1.00	1.00	100	mg/L	SW-846 6010B	P
Thallium	1.00	1.01	101	mg/L	SW-846 6010B	P
Titanium	1.00	1.02	102	mg/L	SW-846 6010B	P
Vanadium	1.00	1.00	100	mg/L	SW-846 6010B	P
Zinc	1.00	0.990	99	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 08/16/02 Time: 1538

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.87	97	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	99	mg/L	SW-846 6010B	P
Barium	0.500	0.490	99	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	98	mg/L	SW-846 6010B	P
Calcium	5.00	5.06	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	97	mg/L	SW-846 6010B	P
Copper	0.500	0.480	96	mg/L	SW-846 6010B	P
Iron	5.00	4.93	99	mg/L	SW-846 6010B	P
Lead	0.500	0.490	98	mg/L	SW-846 6010B	P
Magnesium	5.00	4.90	98	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	98	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	98	mg/L	SW-846 6010B	P
Silver	0.500	0.490	98	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	98	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 08/16/02 Time: 1643

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.94	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	103	mg/L	SW-846 6010B	P
Barium	0.500	0.500	100	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	99	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	99	mg/L	SW-846 6010B	P
Calcium	5.00	5.11	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	99	mg/L	SW-846 6010B	P
Copper	0.500	0.490	98	mg/L	SW-846 6010B	P
Iron	5.00	4.99	100	mg/L	SW-846 6010B	P
Lead	0.500	0.500	99	mg/L	SW-846 6010B	P
Magnesium	5.00	4.94	99	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	99	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	104	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	99	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 08/16/02 Time: 1748

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.84	97	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	98	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.480	97	mg/L	SW-846 6010B	P
Cadmium	0.500	0.480	97	mg/L	SW-846 6010B	P
Calcium	5.00	4.97	99	mg/L	SW-846 6010B	P
Chromium	0.500	0.480	97	mg/L	SW-846 6010B	P
Cobalt	0.500	0.480	96	mg/L	SW-846 6010B	P
Copper	0.500	0.480	96	mg/L	SW-846 6010B	P
Iron	5.00	4.88	98	mg/L	SW-846 6010B	P
Lead	0.500	0.480	97	mg/L	SW-846 6010B	P
Magnesium	5.00	4.82	96	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.480	96	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	98	mg/L	SW-846 6010B	P
Silver	0.500	0.490	97	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	103	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.480	97	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Calibration Source: 1-1-1
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 08/16/02 Time: 1853

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.88	98	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	100	mg/L	SW-846 6010B	P
Barium	0.500	0.500	99	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	97	mg/L	SW-846 6010B	P
Calcium	5.00	4.99	100	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	97	mg/L	SW-846 6010B	P
Cobalt	0.500	0.480	97	mg/L	SW-846 6010B	P
Copper	0.500	0.480	96	mg/L	SW-846 6010B	P
Iron	5.00	4.90	98	mg/L	SW-846 6010B	P
Lead	0.500	0.490	97	mg/L	SW-846 6010B	P
Magnesium	5.00	4.83	97	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.480	97	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silver	0.500	0.490	97	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	106	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zinc	0.500	0.480	97	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: ICB
ICAL ID: 1
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1508

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1548

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1653

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.0016	B	mg/L	0.0013	0.015	SW-846 6010B	P

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: 54730
ICAL ID: 1
Lab Sample DESC: MB FOR HBN 170476
Preparation Blank Matrix: (soil / water) Water
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1724

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1758

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202081613
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP2
Date Analyzed: 08/16/02 Time: 1903

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P

FORM III - IN

U.S. EPA - CLP
ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202081613

ICP ID Number: ICP2 ICS Source: 1-1-1 ~100-21-3

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	210	209	104			
Antimony	0	1.00		0.86	86			
Arsenic	0	1.00		0.98	98			
Barium	0	0.50		0.52	104			
Beryllium	0	0.50		0.52	104			
Cadmium	0	1.00		1.00	100			
Calcium	200	200	206	206	103			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.50	100			
Copper	0	0.50		0.54	108			
Iron	80.0	80.0	81.1	80.6	101			
Lead	0	1.00		1.01	101			
Magnesium	200	200	215	213	106			
Manganese	0	0.50		0.51	102			
Molybdenum	0	1.00		1.06	106			
Nickel	0	1.00		0.98	98			
Selenium	0	1.00		1.00	100			
Silver	0	1.00		1.06	106			
Thallium	0	1.00		1.20	120			
Vanadium	0	0.50		0.51	102			
Zinc	0	1.00		1.03	103			

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 005-49-SW-0815-02MS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
Level: (low / med)
Lab Sample ID: 54733
Orig Lab Sample ID: 20208161301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.57		0.51		1.00	106		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 005-49-SW-0815-02MSD
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
Level: (low / med)
Lab Sample ID: 54734
Orig Lab Sample ID: 20208161301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.50		0.51		1.00	99		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

U.S. EPA - CLP

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 005-49-SW-0815-02PDS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 202081613

Level: (low / med)

Lab Sample ID: 54762

Orig Lab Sample ID: 20208161301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.49		0.51		1.00	98		mg/L	SW-846 6010B	P

FORM V (PART 2) - IN

U.S. EPA - CLP
DUPLICATES

Lab Name: GCAL
Sample ID: 005-49-SW-0815-02DUP
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
% Solids for Sample:
Level: (low / med)
% Solids for Duplicate:
Lab Sample ID: 54732

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Unit	Method	Type
Lead	0	20	0.51		0.51		0		mg/L	SW-846 6010B	P

FORM VI - IN

U.S. EPA - CLP
LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS FOR HBN 170476
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 202081613
Lab Sample ID: 54731
LCS Source: 1-1-1 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Lead	1.00	1.04	104	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

/4380/ 20208161 3/ Due 8/19/02

CHAIN-OF-CUSTODY RECORD

COC NUMBER
148799-54

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
NAS Cecil Field	148799	Gulf Coast Labs	Paul Malewicki, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Skeet Range Surface Water	CTO 005		Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.562 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Paul Malewicki, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Phone: 740-373-4071 Fax: 740-373-4835	Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.562 FAX:604-9282

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	6010B Lead Only										SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS 20208161 3	LAB ID
1	005-49-SW-0815-02	Site 49 Surface Water	W	08/15/02	9:00	III/B	3	x										Grab	-1	
2	005-49-1-SW-0815-02	Site 49 Surface Water	W	08/15/02	9:15	III/B	3	x										Grab	2	
3	005-37TB1	Temperature Blank	W															Blank		
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print)
Paul Malewicki, CCI/J.A. Jones

COURIER AND SHIPPING NUMBER:

SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
13°C good

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Paul Malewicki, CCI/J.A. Jones Paul Malewicki	8/15/02	10:00	Printed Name and Signature:		
Printed Name and Signature: FedEx #833151582619	8/16/02	0930	Printed Name and Signature: Hanna Kinchen	8/16/02	0930

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 02/00

0000025

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	202081613	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	NAS Cecil Field	**Status:**	WP
Project Seq:	7478	**Created:**	8/16/02 10:49
Client:	4380 - CH2M HILL Constructors Inc.	**QA:**	
Profile:	29790 - CTO 0005 - NAS Cecil Field	**PO:**	4139

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20208161301-1	LA	HNO3	✓					X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20208161302-1	LA	HNO3	✓					X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 4MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

CUSTODIAN Anik

GULF COAST
ANALYTICAL LABORATORIES, INC.

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 05/27/2003

GCAL REPORT NO.: 203052005

Deliver To:	CH2M HILL Constructors Inc. 115 Perimeter Center Place Suite 700 Atlanta, GA 30346 770-604-9182 Ext. 614
Attn:	Melissa Aycock

CUSTOMER NAME: CH2M HILL Constructors Inc.

PROJECT NAME: NAS Cecil Field

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL Constructors Inc. **Report:** 203052005

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

LABORATORY ENDORSEMENT

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND-Indicates that the parameter was not detected at the specified detection limit
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous to Count
SUBC-Indicates that the analysis was subcontracted
FLD-Indicates that the parameter was performed in the field
PQL-Practical Quantitation Limit
MDL-Method Detection Limit
RDL-Reporting Detection Limit

Reporting Flags Utilized in this Report

J-Indicates that the result was detected between the PQL and MDL
U-Indicates that the result was not detected at the referenced detection limit
B-Organics Indicates that the compound was detected in the associated Method Blank
B-Inorganics Indicates that the compound was detected between the PQL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Scott Bailey

SCOTT A. BAILEY
OPERATIONS MANAGER

GCAL REPORT NO.: 203052005

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20305200501	005-49-SW-0519-03	Water	05/19/2003 09:15	05/20/2003 09:00
20305200502	005-49-SW-0519-03MS	Water	05/19/2003 09:15	05/20/2003 09:00
20305200503	005-49-SW-0519-03DUP	Water	05/19/2003 09:15	05/20/2003 09:00
20305200504	005-49-SW-0519-03MSD	Water	05/19/2003 09:15	05/20/2003 09:00

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005

SOW No.:

EPA Sample No.	*Lab Sample ID.*
005-49-SW-0519-03	20305200501
005-49-SW-0519-03MS	20305200502
005-49-SW-0519-03DUP	20305200503
005-49-SW-0519-03MSD	20305200504

Were ICP interelement corrections applied ?	Yes / No	YES
Were ICP background corrections applied ?	Yes / No	YES
If yes-were raw data generated before application of background corrections ?	Yes / No	NO

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200501

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.38	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200502

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.44	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200503

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.39	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200504

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.45	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203052005
Calibration Source: 106-8-6 CPI/EXAXOL
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 05/22/03 Time: 0933

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Antimony	1.00	0.970	97	mg/L	SW-846 6010B	P
Arsenic	1.00	0.980	98	mg/L	SW-846 6010B	P
Beryllium	1.00	0.970	97	mg/L	SW-846 6010B	P
Cadmium	1.00	0.970	97	mg/L	SW-846 6010B	P
Calcium	1.00	0.980	98	mg/L	SW-846 6010B	P
Chromium	1.00	0.990	99	mg/L	SW-846 6010B	P
Cobalt	1.00	0.990	99	mg/L	SW-846 6010B	P
Copper	1.00	0.960	96	mg/L	SW-846 6010B	P
Iron	1.00	0.970	97	mg/L	SW-846 6010B	P
Lead	1.00	0.990	99	mg/L	SW-846 6010B	P
Magnesium	1.00	1.01	101	mg/L	SW-846 6010B	P
Manganese	1.00	0.990	99	mg/L	SW-846 6010B	P
Molybdenum	1.00	0.980	98	mg/L	SW-846 6010B	P
Nickel	1.00	0.990	99	mg/L	SW-846 6010B	P
Selenium	1.00	0.960	96	mg/L	SW-846 6010B	P
Silver	1.00	1.00	100	mg/L	SW-846 6010B	P
Strontium	1.00	0.890	89	mg/L	SW-846 6010B	P
Thallium	1.00	1.00	100	mg/L	SW-846 6010B	P
Titanium	1.00	0.980	98	mg/L	SW-846 6010B	P
Vanadium	1.00	0.980	98	mg/L	SW-846 6010B	P
Zinc	1.00	0.940	94	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203052005
Calibration Source: 106-11-3 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 05/22/03 Time: 0959

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.32	106	mg/L	SW-846 6010B	P
Arsenic	0.500	0.550	110	mg/L	SW-846 6010B	P
Barium	0.500	0.530	107	mg/L	SW-846 6010B	P
Beryllium	0.500	0.530	106	mg/L	SW-846 6010B	P
Cadmium	0.500	0.530	107	mg/L	SW-846 6010B	P
Calcium	5.00	5.37	107	mg/L	SW-846 6010B	P
Chromium	0.500	0.540	108	mg/L	SW-846 6010B	P
Cobalt	0.500	0.540	107	mg/L	SW-846 6010B	P
Copper	0.500	0.530	107	mg/L	SW-846 6010B	P
Iron	5.00	5.37	107	mg/L	SW-846 6010B	P
Lead	0.500	0.540	107	mg/L	SW-846 6010B	P
Magnesium	5.00	5.36	107	mg/L	SW-846 6010B	P
Manganese	0.500	0.540	107	mg/L	SW-846 6010B	P
Nickel	0.500	0.540	107	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 6010B	P
Silver	0.500	0.530	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	104	mg/L	SW-846 6010B	P
Thallium	0.500	0.550	110	mg/L	SW-846 6010B	P
Vanadium	0.500	0.530	107	mg/L	SW-846 6010B	P
Zinc	0.500	0.530	106	mg/L	SW-846 6010B	P
Zirconium	0.500	0.520	105	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203052005
Calibration Source: 106-11-3 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 05/22/03 Time: 1105

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.09	102	mg/L	SW-846 6010B	P
Arsenic	0.500	0.530	107	mg/L	SW-846 6010B	P
Barium	0.500	0.520	103	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	103	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	103	mg/L	SW-846 6010B	P
Calcium	5.00	5.16	103	mg/L	SW-846 6010B	P
Chromium	0.500	0.520	103	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	103	mg/L	SW-846 6010B	P
Copper	0.500	0.510	101	mg/L	SW-846 6010B	P
Iron	5.00	5.17	103	mg/L	SW-846 6010B	P
Lead	0.500	0.520	104	mg/L	SW-846 6010B	P
Magnesium	5.00	5.15	103	mg/L	SW-846 6010B	P
Manganese	0.500	0.520	103	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Strontium	0.500	0.500	100	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	104	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203052005
Calibration Source: 106-11-3 INORGANIC VENTURES
Instrument ID: ICP2 ICAL ID: 1
Date Analyzed: 05/22/03 Time: 1210

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.23	105	mg/L	SW-846 6010B	P
Arsenic	0.500	0.550	110	mg/L	SW-846 6010B	P
Barium	0.500	0.530	106	mg/L	SW-846 6010B	P
Beryllium	0.500	0.520	104	mg/L	SW-846 6010B	P
Cadmium	0.500	0.530	106	mg/L	SW-846 6010B	P
Calcium	5.00	5.27	105	mg/L	SW-846 6010B	P
Chromium	0.500	0.530	105	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	105	mg/L	SW-846 6010B	P
Copper	0.500	0.520	104	mg/L	SW-846 6010B	P
Iron	5.00	5.30	106	mg/L	SW-846 6010B	P
Lead	0.500	0.530	106	mg/L	SW-846 6010B	P
Magnesium	5.00	5.28	106	mg/L	SW-846 6010B	P
Manganese	0.500	0.530	106	mg/L	SW-846 6010B	P
Nickel	0.500	0.530	107	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 6010B	P
Silver	0.500	0.520	104	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	106	mg/L	SW-846 6010B	P
Vanadium	0.500	0.530	105	mg/L	SW-846 6010B	P
Zinc	0.500	0.530	105	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203052005

Lab Sample ID: ICB

ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 257522 [ICP/1915]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 05/22/03 Time: 0943

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203052005

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 257522 [ICP/1915]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 05/22/03 Time: 1009

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.0028	B	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203052005

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 257522 [ICP/1915]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 05/22/03 Time: 1115

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.0020	B	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203052005

Lab Sample ID: 99814

ICAL ID: 1

Lab Sample DESC: MB99814

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP2

Date Analyzed: 05/22/03 Time: 1125

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203052005

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 257522 [ICP/1915]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP2

Date Analyzed: 05/22/03 Time: 1220

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005

ICP ID Number: ICP2 ICS Source: 106-11-1 SPEX~

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	235	229	114			
Antimony	0	1.00		1.08	108			
Arsenic	0	1.00		1.09	109			
Barium	0	0.50		0.54	108			
Beryllium	0	0.50		0.55	110			
Boron	0	1.00		1.16	116			
Cadmium	0	1.00		1.06	106			
Calcium	200	200	217	215	108			
Chromium	0	0.50		0.54	108			
Cobalt	0	0.50		0.52	104			
Copper	0	0.50		0.55	110			
Iron	80.0	80.0	87.6	84.9	106			
Lead	0	1.00		1.07	107			
Magnesium	200	200	232	224	112			
Manganese	0	0.50		0.55	110			
Molybdenum	0	1.00		1.12	112			
Nickel	0	1.00		1.02	102			
Selenium	0	1.00		1.24	124			
Silver	0	1.00		1.11	111			
Thallium	0	1.00		1.16	116			
Vanadium	0	0.50		0.54	108			
Zinc	0	1.00		1.09	109			

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med)

Lab Sample ID: 20305200502

Orig Lab Sample ID: 20305200501

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.44		0.38		1.00	106		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med)

Lab Sample ID: 20305200504

Orig Lab Sample ID: 20305200501

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.45		0.38		1.00	107		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03PDS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med)

Lab Sample ID: 99843

Orig Lab Sample ID: 20305200501

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	1.41		0.38		1.00	103		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 20305200503

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Lead	0	20	0.38		0.39		3		mg/L	SW-846 6010B	P

FORM VI - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS99815

Lab Code: LA024

Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.:

SDG No.: 203052005

Lab Sample ID: 99815

LCS Source: 334-13-17 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Lead	1.00	1.02	102	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

ICP SERIAL DILUTIONS

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03SD

Lab Code: LA024 Case No.

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med)

Org Lab Sample ID: 20305200501

Lab Sample ID: 99842

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Lead			0.38		0.37		3		mg/L	SW-846 6010B	P

FORM IX - IN

ICP LINEAR RANGES

Lab Name: GCAL

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 203052005

ICP ID Number: 4300DV Date: 01/14/03

Analyte	Integ. Time (sec)	Concentration mg/L	M
Aluminum	20.0	1000	P
Antimony	20.0	50	P
Arsenic	20.0	25	P
Barium	20.0	25	P
Beryllium	20.0	5	P
Cadmium	20.0	15	P
Calcium	20.0	1000	P
Chromium	20.0	120	P
Cobalt	20.0	125	P
Copper	20.0	100	P
Iron	20.0	600	P
Lead	20.0	100	P
Magnesium	20.0	800	P
Manganese	20.0	25	P
Mercury			CV
Nickel	20.0	50	P
Potassium	20.0	150	P
Selenium	20.0	15	P
Silver	20.0	10	P
Sodium	20.0	600	P
Thallium	20.0	10	P
Vanadium	20.0	100	P
Zinc	20.0	20	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005

Method: 3010A Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
005-49-SW-0519-03	05/21/03			50	mL
005-49-SW-0519-03DUP	05/21/03			50	mL
005-49-SW-0519-03MS	05/21/03			50	mL
005-49-SW-0519-03MSD	05/21/03			50	mL
LCS99815	05/21/03			50	mL
MB99814	05/21/03			50	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 05/22/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005 End Date: 05/22/03

Instrument ID Number: ICP2 Method: SW-846 6010B Method Type: P

				Analyte Symbols																														
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	0933													X																		
ICV2	*	1	0938																															
ICB	*	1	0943													X																		
ICSA	*	1	0948													X																		
ICSAB	*	1	0953													X																		
CCV	*	1	0959													X																		
CCV2	*	1	1004																															
CCB	*	1	1009													X																		
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1014																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1019																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1024																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1029																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1034																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1040																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1045																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1050																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		10	1055																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1100																															
CCV	*	1	1105													X																		
CCV2	*	1	1110																															
CCB	*	1	1115													X																		
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1120																															
MB99814	*	1	1125													X																		
LCS99815	*	1	1130													X																		
005-49-SW-0519-03	*	1	1135													X																		
005-49-SW-0519-03DUP	*	1	1140													X																		
005-49-SW-0519-03MS	*	1	1145													X																		

000028

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 05/22/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005 End Date: 05/22/03

Instrument ID Number: ICP2 Method: SW-846 6010B Method Type: P

				Analyte Symbols																														
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
005-49-SW-0519-03MSD	*	1	1150													X																		
005-49-SW-0519-03PDS	*	1	1155													X																		
005-49-SW-0519-03SD	*	5	1200													X																		
CCV	*	1	1210													X																		
CCV2	*	1	1215																															
CCB	*	1	1220													X																		
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1225																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1230																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1235																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1240																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1245																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1251																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1256																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1301																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1307																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1312																															
CCV	*	1	1317																															
CCV2	*	1	1322																															
CCB	*	1	1327																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1332																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1338																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1343																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1348																															
CCV	*	1	1353																															
CCV2	*	1	1358																															
CCB	*	1	1403																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1527																															

0000029

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 05/22/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203052005 End Date: 05/22/03

Instrument ID Number: ICP2 Method: SW-846 6010B Method Type: P

				Analyte Symbols																													
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1532																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1532																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1537																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1542																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1547																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1552																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1557																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1602																														
CCV	*	1	1617																														
CCV2	*	1	1622																														
CCB	*	1	1627																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1632																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1642																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1647																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1652																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1657																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1702																														
CCV	*	1	1707																														
CCV2	*	1	1712																														
CCB	*	1	1717																														

000030

ICP 2

ANALYST SAB2
DATE 5-22-03
TIME 0918

AS#	SAMPLE ID		DILUTION
1	CALIBRATION BLANK		
2	STANDARD 1	106-12-3	
3	STANDARD 2	106-12-2	
✓12	ICV-1600 F:Sr	106-11-8	
200.7 ✓13	ICV2-1601	106-11-2	
✓1	ICB-1700		
✓5	ICSA-2000 F:Se,Tl,Zn	106-11-1	
✓6	ICSAB-2100 F:Se	106-12-4	
✓7	CCV-1800		
✓8	CCV 2-1802		
✓1	CCB -1900		
17	[redacted]		
18	[redacted]		
19	[redacted]		
20	[redacted]		
21	[redacted]		
22	[redacted]		
23	[redacted]		5X
24	[redacted]		
25	[redacted]		10X
26	[redacted]		
✓7	CCV-1800		
✓8	CCV 2-1802		
✓1	CCB -1900		
27	[redacted]	SAB2 5-22-03	
28	99814	BLK 2030521 W6	
29	99815	LCS 2030521 W6	
30	CH2M Hill	20305200501	
31		20305200503 D	
32		20305200502 MS	
33		20305200504 MSD	
34	99843	20305200501 A	
35	99842	20305200501 L	5X
36	[redacted]		
✓7	CCV-1800		
✓8	CCV 2-1802		
✓1	CCB -1900		
37	[redacted]		
38	[redacted]		
39	[redacted]		
40	[redacted]		
41	[redacted]		
42	[redacted]		
43	[redacted]		5X
44	[redacted]		
45	[redacted]		
46	[redacted]		

AS#	SAMPLE ID		DILUTION
✓	[redacted]		
✓8	[redacted]		
✓1	[redacted]		
47	[redacted]		
48			
49			
50			
51			
52			
53			
54			
55			
56			
✓	[redacted]		
✓	[redacted]		
✓	[redacted]		
57	[redacted]		
58	[redacted]		
59	[redacted]		
60	[redacted]		
61	[redacted]		
62	[redacted]		
63	[redacted]		5X
64	[redacted]		
65	[redacted]		
66	[redacted]		
✓	[redacted]		
✓8	[redacted]		
✓1	[redacted]		
67	[redacted]		
68	[redacted]		
69	[redacted]		
70	[redacted]		
71	[redacted]		
72	[redacted]		
73	[redacted]		
74			
75			
76			
✓	[redacted]		
✓	[redacted]		
✓	[redacted]		

QC REVIEW: SAB2

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS 1915, 257522

QC: all acceptable QC noted with a checkmark; failures as indicated.

Analysis Begun

Start Time: 05/22/2003 09:18:35
Logged In Analyst: met
Spectrometer Model: Optima 3000 XL

Plasma On Time: 05/22/2003 08:22:56
Technique: ICP Continuous
Autosampler Model: AS-90

Sample Information File: D:\pe\administrator\Sample Information\1752.sif
Results Data Set: 2030522 A
Results Library: d:\pe\administrator\Results\Results.mdb

Method Loaded
Method Name: ICP2
IEC File: 2030114 IEC.iec
Method Description: 11/01

Method Last Saved: 05/22/2003 09:11:49
MSF File:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Yttrium,7440-65-5A	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Yttrium,7440-65-5R	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Scandium	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Aluminum,7429-90-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Antimony,7440-36-0	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Arsenic,7440-38-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Barium,7440-39-3	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Beryllium,7440-41-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Boron,7440-42-8	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Cadmium,7440-43-9	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Calcium,7440-70-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Chromium,7440-47-3	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Cobalt,7440-48-4	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Copper,7440-50-8	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Iron,7439-89-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Lead,7439-92-1	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Lithium,7439-93-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Magnesium,7439-95-4	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Manganese,7439-96-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Molybdenum,7439-98-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Nickel,7440-02-0	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Potassium,7440-09-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Selenium,7782-49-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Silver,7440-22-4	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Sodium,7440-23-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Strontium,7440-24-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Thallium,7440-28-0	Lin, Calc Int	Peak Height	Axial	Yttrium,7440-65-5A	No
Tin,7440-31-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Titanium,7440-32-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Vanadium,7440-62-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Zinc,7440-66-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Zirconium,7440-67-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Ar 420.069	Lin, Calc Int	Peak Area	Axial	n/a	n/a

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 05/22/2003 09:18:36

Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium,7440-65-5A	2644353.2	40768.44	1.54%	100.00	%
Yttrium,7440-65-5R	4944429.9	73334.70	1.48%	100.00	%
Scandium	3169839.9	43726.47	1.38%	100.000	%
Ar 420.069	544932.5	1204.35	0.22%	100.00	%
Aluminum,7429-90-5†	-184.3	10.15	5.51%	[0.00]	mg/L
Antimony,7440-36-0†	9.6	0.22	2.26%	[0.00]	mg/L
Arsenic,7440-38-2†	-17.5	2.20	12.59%	[0.00]	mg/L
Barium,7440-39-3†	-8.9	5.91	66.75%	[0.00]	mg/L
Beryllium,7440-41-7†	-1403.1	72.10	5.14%	[0.00]	mg/L

Boron,7440-42-8†	423.8	18.50	4.36%	[0.00]	mg/L
Cadmium,7440-43-9†	-78.2	5.58	7.14%	[0.00]	mg/L
Calcium,7440-70-2†	1424.5	56.66	3.98%	[0.00]	mg/L
Chromium,7440-47-3†	-193.2	386.49	200.07%	[0.00]	mg/L
Cobalt,7440-48-4†	-28.1	4.89	17.41%	[0.00]	mg/L
Copper,7440-50-8†	3358.5	89.46	2.66%	[0.00]	mg/L
Iron,7439-89-6†	8.2	6.52	79.21%	[0.00]	mg/L
Lead,7439-92-1†	15.6	6.49	41.48%	[0.00]	mg/L
Magnesium,7439-95-4†	-361.2	7.15	1.98%	[0.00]	mg/L
Manganese,7439-96-5†	229.8	19.34	8.42%	[0.00]	mg/L
Molybdenum,7439-98-7†	-16.1	6.25	38.91%	[0.00]	mg/L
Nickel,7440-02-0†	230.2	8.74	3.80%	[0.00]	mg/L
Selenium,7782-49-2†	-61.7	1.54	2.50%	[0.00]	mg/L
Silver,7440-22-4†	343.9	153.66	44.68%	[0.00]	mg/L
Strontium,7440-24-6†	-242.7	91.24	37.60%	[0.00]	mg/L
Thallium,7440-28-0†	-0.8	1.33	168.11%	[0.00]	mg/L
Tin,7440-31-5†	3.5	2.75	77.95%	[0.00]	mg/L
Titanium,7440-32-6†	-193.3	73.76	38.16%	[0.00]	mg/L
Vanadium,7440-62-2†	144.3	55.40	38.39%	[0.00]	mg/L
Zinc,7440-66-6†	262.0	0.69	0.26%	[0.00]	mg/L
Zirconium,7440-67-7†	3928.6	68.04	1.73%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 05/22/2003 09:23:36
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium,7440-65-5A	2582112.5	17534.62	0.68%	97.646	%
Yttrium,7440-65-5R	4822764.1	31633.33	0.66%	97.539	%
Scandium	3147376.0	19487.74	0.62%	99.291	%
Ar 420.069	544250.1	3465.19	0.64%	99.875	%
Aluminum,7429-90-5†	36035.8	376.11	1.04%	[10.0]	mg/L
Arsenic,7440-38-2†	306.7	2.33	0.76%	[1.00]	mg/L
Barium,7440-39-3†	21515.8	198.48	0.92%	[1.00]	mg/L
Beryllium,7440-41-7†	3390336.1	33730.50	0.99%	[1.00]	mg/L
Cadmium,7440-43-9†	22756.4	228.98	1.01%	[1.00]	mg/L
Calcium,7440-70-2†	597678.1	5342.68	0.89%	[10.0]	mg/L
Chromium,7440-47-3†	137397.5	1247.12	0.91%	[1.00]	mg/L
Cobalt,7440-48-4†	7167.1	86.28	1.20%	[1.00]	mg/L
Copper,7440-50-8†	230828.5	2500.10	1.08%	[1.00]	mg/L
Iron,7439-89-6†	70694.0	738.22	1.04%	[10.0]	mg/L
Lead,7439-92-1†	2277.2	3.49	0.15%	[1.00]	mg/L
Magnesium,7439-95-4†	109805.9	1026.57	0.93%	[10.0]	mg/L
Manganese,7439-96-5†	229486.2	2135.47	0.93%	[1.00]	mg/L
Nickel,7440-02-0†	19298.7	223.26	1.16%	[1.00]	mg/L
Selenium,7782-49-2†	459.6	7.20	1.57%	[1.00]	mg/L
Silver,7440-22-4†	228259.0	1984.64	0.87%	[1.00]	mg/L
Strontium,7440-24-6†	169109.4	1949.74	1.15%	[1.00]	mg/L
Thallium,7440-28-0†	159.4	1.59	1.00%	[1.00]	mg/L
Vanadium,7440-62-2†	204831.1	1715.66	0.84%	[1.00]	mg/L
Zinc,7440-66-6†	32648.5	343.85	1.05%	[1.00]	mg/L
Zirconium,7440-67-7†	385538.3	10146.83	2.63%	[1.00]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 05/22/2003 09:28:35
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium,7440-65-5A	2579582.5	65573.66	2.54%	97.551	%
Yttrium,7440-65-5R	4826149.1	121607.85	2.52%	97.608	%
Scandium	3109563.7	78356.72	2.52%	98.098	%

Ar 420.069	536572.8	2184.42	0.41%	98.466 %
Antimony,7440-36-0†	411.2	13.03	3.17%	[1.00] mg/L
Boron,7440-42-8†	349754.0	2188.17	0.63%	[5.00] mg/L
Molybdenum,7439-98-7†	5326.9	119.53	2.24%	[1.00] mg/L
Tin,7440-31-5†	886.4	28.76	3.25%	[1.00] mg/L
Titanium,7440-32-6†	527360.3	11209.91	2.13%	[1.00] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum,7429-90-5	1	Lin, Calc Int	0.0	3604	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	411.2	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	306.7	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	21520	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	3390000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	69950	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	22760	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	59770	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	137400	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	7167	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	230800	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	7069	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	2277	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	10980	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	229500	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	5327	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	19300	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	459.6	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	228300	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	169100	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	159.4	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	886.4	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	527400	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	204800	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	32650	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	385500	0.00000	1.000000	

Sequence No.: 4
Sample ID: 1600
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 05/22/2003 09:33:32

Sample Prep Volume:
Data Type: Original

Mean Data: 1600

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2594244.7	98.105	%	2.2062				2.25%
Yttrium,7440-65-5R	4840767.1	97.903	%	2.1548				2.20%
Scandium	3118322.9	98.375	%	2.1521				2.19%
Ar 420.069	533343.2	97.873	%	0.9666				0.99%
Aluminum,7429-90-5†	72.3	0.0236	mg/L	0.00254	0.0236	mg/L	0.00254	10.74%
Antimony,7440-36-0†	406.7	0.9680	mg/L	0.02463	0.9680	mg/L	0.02463	2.54%
QC value within limits for Antimony,7440-36-0 Recovery = 96.80%								
Arsenic,7440-38-2†	292.9	0.9834	mg/L	0.02509	0.9834	mg/L	0.02509	2.55%
QC value within limits for Arsenic,7440-38-2 Recovery = 98.34%								
Barium,7440-39-3†	-26.9	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	265.77%
Beryllium,7440-41-7†	3281609.1	0.9679	mg/L	0.03450	0.9679	mg/L	0.03450	3.56%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.79%								
Boron,7440-42-8†	2468.1	0.0303	mg/L	0.00437	0.0303	mg/L	0.00437	14.41%
Cadmium,7440-43-9†	22020.0	0.9679	mg/L	0.03818	0.9679	mg/L	0.03818	3.94%
QC value within limits for Cadmium,7440-43-9 Recovery = 96.79%								
Calcium,7440-70-2†	58328.7	0.9809	mg/L	0.03856	0.9809	mg/L	0.03856	3.93%
QC value within limits for Calcium,7440-70-2 Recovery = 98.09%								
Chromium,7440-47-3†	136174.0	0.9908	mg/L	0.04173	0.9908	mg/L	0.04173	4.21%
QC value within limits for Chromium,7440-47-3 Recovery = 99.08%								
Cobalt,7440-48-4†	7125.9	0.9920	mg/L	0.03973	0.9920	mg/L	0.03973	4.00%
QC value within limits for Cobalt,7440-48-4 Recovery = 99.20%								
Copper,7440-50-8†	222878.4	0.9650	mg/L	0.04300	0.9650	mg/L	0.04300	4.46%
QC value within limits for Copper,7440-50-8 Recovery = 96.50%								
Iron,7439-89-6†	6529.0	0.9664	mg/L	0.03905	0.9664	mg/L	0.03905	4.04%

QC value within limits for Iron,7439-89-6 Recovery = 96.64%

Lead,7439-92-1†	2256.8	0.9893 mg/L	0.01911	0.9893 mg/L	0.01911	1.93%

QC value within limits for Lead,7439-92-1 Recovery = 98.93%

Magnesium,7439-95-4†	10965.1	1.0093 mg/L	0.03602	1.0093 mg/L	0.03602	3.57%

QC value within limits for Magnesium,7439-95-4 Recovery = 100.93%

Manganese,7439-96-5†	227367.9	0.9909 mg/L	0.03923	0.9909 mg/L	0.03923	3.96%

QC value within limits for Manganese,7439-96-5 Recovery = 99.09%

Molybdenum,7439-98-7†	5205.4	0.9771 mg/L	0.02327	0.9771 mg/L	0.02327	2.38%

QC value within limits for Molybdenum,7439-98-7 Recovery = 97.71%

Nickel,7440-02-0†	19072.6	0.9881 mg/L	0.03925	0.9881 mg/L	0.03925	3.97%

QC value within limits for Nickel,7440-02-0 Recovery = 98.81%

Selenium,7782-49-2†	443.8	0.9643 mg/L	0.02446	0.9643 mg/L	0.02446	2.54%

QC value within limits for Selenium,7782-49-2 Recovery = 96.43%

Silver,7440-22-4†	228146.7	0.9996 mg/L	0.03799	0.9996 mg/L	0.03799	3.80%

QC value within limits for Silver,7440-22-4 Recovery = 99.96%

Strontium,7440-24-6†	150777.9	0.8916 mg/L	0.03828	0.8916 mg/L	0.03828	4.29%

QC value less than the lower limit for Strontium,7440-24-6 Recovery = 89.16%

Thallium,7440-28-0†	158.8	0.9967 mg/L	0.01169	0.9967 mg/L	0.01169	1.17%

QC value within limits for Thallium,7440-28-0 Recovery = 99.67%

Tin,7440-31-5†	-3.4	0.0004 mg/L	0.00221	0.0004 mg/L	0.00221	569.39%
Titanium,7440-32-6†	514816.8	0.9762 mg/L	0.03411	0.9762 mg/L	0.03411	3.49%

QC value within limits for Titanium,7440-32-6 Recovery = 97.62%

Vanadium,7440-62-2†	199223.1	0.9772 mg/L	0.04037	0.9772 mg/L	0.04037	4.13%

QC value within limits for Vanadium,7440-62-2 Recovery = 97.72%

Zinc,7440-66-6†	30760.2	0.9362 mg/L	0.04051	0.9362 mg/L	0.04051	4.33%

QC value within limits for Zinc,7440-66-6 Recovery = 93.62%

Zirconium,7440-67-7†	1754.4	0.0042 mg/L	0.00248	0.0042 mg/L	0.00248	59.35%

QC Failed. Continue with analysis.

Sequence No.: 5
Sample ID: 1601
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 05/22/2003 09:38:33
Sample Prep Volume:
Data Type: Original

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2581227.0	97.613	%	0.5174				0.53%
Yttrium,7440-65-5R	4818466.0	97.452	%	0.5019				0.52%
Scandium	3125758.7	98.609	%	0.4944				0.50%
Ar 420.069	537970.2	98.722	%	0.8368				0.85%
Aluminum,7429-90-5†	36242.6	10.057	mg/L	0.0743	10.057	mg/L	0.0743	0.74%

QC value within limits for Aluminum,7429-90-5 Recovery = 100.57%

Antimony,7440-36-0†	5.2	0.0127	mg/L	0.00596	0.0127	mg/L	0.00596	46.94%
Arsenic,7440-38-2†	6.6	0.0231	mg/L	0.00279	0.0231	mg/L	0.00279	12.05%
Barium,7440-39-3†	22020.6	1.0233	mg/L	0.00884	1.0233	mg/L	0.00884	0.86%

QC value within limits for Barium,7440-39-3 Recovery = 102.33%

Beryllium,7440-41-7†	706.2	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	37.63%
Boron,7440-42-8†	334407.4	4.7792	mg/L	0.05443	4.7792	mg/L	0.05443	1.14%

QC value within limits for Boron,7440-42-8 Recovery = 95.58%

Cadmium,7440-43-9†	-12.9	-0.0005	mg/L	0.00024	-0.0005	mg/L	0.00024	46.76%
Calcium,7440-70-2†	-283.7	-0.0050	mg/L	0.00210	-0.0050	mg/L	0.00210	42.37%
Chromium,7440-47-3†	-314.6	-0.0026	mg/L	0.00082	-0.0026	mg/L	0.00082	31.02%
Cobalt,7440-48-4†	-14.0	-0.0019	mg/L	0.00050	-0.0019	mg/L	0.00050	26.98%
Copper,7440-50-8†	61.2	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	262.46%
Iron,7439-89-6†	-21.8	-0.0033	mg/L	0.00045	-0.0033	mg/L	0.00045	13.43%
Lead,7439-92-1†	-5.4	-0.0018	mg/L	0.00101	-0.0018	mg/L	0.00101	56.66%
Magnesium,7439-95-4†	41.5	0.0046	mg/L	0.00199	0.0046	mg/L	0.00199	43.36%
Manganese,7439-96-5†	-30.0	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	37.04%
Molybdenum,7439-98-7†	22.6	0.0043	mg/L	0.00177	0.0043	mg/L	0.00177	41.26%
Nickel,7440-02-0†	30.4	0.0014	mg/L	0.00096	0.0014	mg/L	0.00096	67.35%
Selenium,7782-49-2†	-4.6	-0.0042	mg/L	0.01018	-0.0042	mg/L	0.01018	239.91%
Silver,7440-22-4†	1343.8	0.0059	mg/L	0.00018	0.0059	mg/L	0.00018	3.03%
Strontium,7440-24-6†	37.8	0.0003	mg/L	0.00025	0.0003	mg/L	0.00025	82.17%
Thallium,7440-28-0†	1.3	0.0083	mg/L	0.00954	0.0083	mg/L	0.00954	114.89%
Tin,7440-31-5†	885.4	0.9990	mg/L	0.00301	0.9990	mg/L	0.00301	0.30%

QC value within limits for Tin,7440-31-5 Recovery = 99.90%

Titanium,7440-32-6†	265.1	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	34.46%
Vanadium,7440-62-2†	164.7	0.0008	mg/L	0.00020	0.0008	mg/L	0.00020	25.61%
Zinc,7440-66-6†	-82.6	-0.0025	mg/L	0.00010	-0.0025	mg/L	0.00010	3.91%

Zirconium,7440-67-7† 369748.6 0.9590 mg/L 0.04053 0.9590 mg/L 0.04053 4.23%
QC value within limits for Zirconium,7440-67-7 Recovery = 95.90%
All analytes passed QC.

Sequence No.: 6
Sample ID: 1700
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 05/22/2003 09:43:33
Sample Prep Volume:
Data Type: Original

Mean Data: 1700

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2557397.7	96.712	%	2.7337				2.83%
Yttrium,7440-65-5R	4769654.7	96.465	%	2.6992				2.80%
Scandium	3050861.7	96.247	%	2.7250				2.83%
Ar 420.069	532067.8	97.639	%	0.6161				0.63%
Aluminum,7429-90-5†	7.6	0.0021	mg/L	0.00498	0.0021	mg/L	0.00498	238.10%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	3.2	0.0079	mg/L	0.00469	0.0079	mg/L	0.00469	59.50%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.7	0.0088	mg/L	0.00575	0.0088	mg/L	0.00575	65.52%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	11.3	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	37.27%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-104.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	25.57%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	2575.8	0.0368	mg/L	0.00653	0.0368	mg/L	0.00653	17.74%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-5.2	-0.0002	mg/L	0.00001	-0.0002	mg/L	0.00001	5.84%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	59.6	0.0010	mg/L	0.00150	0.0010	mg/L	0.00150	150.41%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-354.0	-0.0026	mg/L	0.00063	-0.0026	mg/L	0.00063	24.46%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-5.0	-0.0007	mg/L	0.00026	-0.0007	mg/L	0.00026	36.85%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	14.8	0.0001	mg/L	0.00053	0.0001	mg/L	0.00053	832.07%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-11.9	-0.0017	mg/L	0.00038	-0.0017	mg/L	0.00038	22.77%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-3.2	-0.0014	mg/L	0.00298	-0.0014	mg/L	0.00298	215.17%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Magnesium,7439-95-4†	3.0	0.0003	mg/L	0.00298	0.0003	mg/L	0.00298	>999.9%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-30.6	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	13.25%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	10.2	0.0019	mg/L	0.00040	0.0019	mg/L	0.00040	20.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	22.8	0.0012	mg/L	0.00091	0.0012	mg/L	0.00091	77.32%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Selenium,7782-49-2†	-0.3	-0.0007	mg/L	0.00261	-0.0007	mg/L	0.00261	370.00%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silver,7440-22-4†	363.5	0.0016	mg/L	0.00099	0.0016	mg/L	0.00099	62.22%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Strontium,7440-24-6†	-28.2	-0.0002	mg/L	0.00075	-0.0002	mg/L	0.00075	446.80%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	0.9	0.0053	mg/L	0.00864	0.0053	mg/L	0.00864	161.76%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-0.4	-0.0005	mg/L	0.00050	-0.0005	mg/L	0.00050	110.11%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	11.5	0.0000	mg/L	0.00042	0.0000	mg/L	0.00042	>999.9%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	148.9	0.0007	mg/L	0.00040	0.0007	mg/L	0.00040	56.55%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	1.3	0.0000	mg/L	0.00027	0.0000	mg/L	0.00027	788.02%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	2360.8	0.0061	mg/L	0.00206	0.0061	mg/L	0.00206	33.64%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 7
Sample ID: 2000
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 05/22/2003 09:48:28

Sample Prep Volume:
Data Type: Original

Mean Data: 2000

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2290922.3	86.635	%	4.1613				4.80%
Yttrium,7440-65-5R	4467731.7	90.359	%	1.4941				1.65%
Scandium	2789042.0	87.987	%	4.3334				4.93%
Ar 420.069	515501.0	94.599	%	0.6120				0.65%
Aluminum,7429-90-5†	849747.2	235.47	mg/L	14.091	235.47	mg/L	14.091	5.98%
QC value within limits for Aluminum,7429-90-5 Recovery = 117.73%								
Antimony,7440-36-0†	1.0	0.0065	mg/L	0.01042	0.0065	mg/L	0.01042	160.16%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-34.3	-0.0265	mg/L	0.02586	-0.0265	mg/L	0.02586	97.48%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	101.4	0.0021	mg/L	0.00033	0.0021	mg/L	0.00033	15.92%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-668.5	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	18.12%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	25513.2	0.0059	mg/L	0.00045	0.0059	mg/L	0.00045	7.59%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-484.9	-0.0046	mg/L	0.00011	-0.0046	mg/L	0.00011	2.42%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	12999035.7	217.46	mg/L	5.121	217.46	mg/L	5.121	2.35%
QC value within limits for Calcium,7440-70-2 Recovery = 108.73%								
Chromium,7440-47-3†	-657.9	-0.0043	mg/L	0.00077	-0.0043	mg/L	0.00077	17.76%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-7.8	0.0012	mg/L	0.00160	0.0012	mg/L	0.00160	131.01%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-3266.3	-0.0010	mg/L	0.00099	-0.0010	mg/L	0.00099	99.01%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	619261.7	87.604	mg/L	5.2837	87.604	mg/L	5.2837	6.03%
QC value within limits for Iron,7439-89-6 Recovery = 109.50%								
Lead,7439-92-1†	-37.1	-0.0031	mg/L	0.00421	-0.0031	mg/L	0.00421	136.24%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Magnesium,7439-95-4†	2544323.4	231.75	mg/L	13.935	231.75	mg/L	13.935	6.01%
QC value within limits for Magnesium,7439-95-4 Recovery = 115.88%								
Manganese,7439-96-5†	529.8	0.0044	mg/L	0.00020	0.0044	mg/L	0.00020	4.58%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-31.1	-0.0004	mg/L	0.00033	-0.0004	mg/L	0.00033	81.96%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	90.9	-0.0005	mg/L	0.00120	-0.0005	mg/L	0.00120	265.00%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Selenium,7782-49-2†	-51.7	0.1189	mg/L	0.01260	0.1189	mg/L	0.01260	10.60%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = Not calculated								
Silver,7440-22-4†	-2569.4	-0.0033	mg/L	0.00041	-0.0033	mg/L	0.00041	12.43%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Strontium,7440-24-6†	88.5	-0.0016	mg/L	0.00033	-0.0016	mg/L	0.00033	21.22%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	3.3	0.0207	mg/L	0.00644	0.0207	mg/L	0.00644	31.13%
QC value greater than the upper limit for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-77.3	-0.0015	mg/L	0.00674	-0.0015	mg/L	0.00674	459.09%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	326.3	-0.0002	mg/L	0.00014	-0.0002	mg/L	0.00014	70.89%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-3327.5	-0.0025	mg/L	0.00017	-0.0025	mg/L	0.00017	6.82%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	3134.6	0.0222	mg/L	0.00376	0.0222	mg/L	0.00376	16.92%
QC value greater than the upper limit for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	2591.5	0.0015	mg/L	0.00067	0.0015	mg/L	0.00067	46.36%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: 2100
Analyst:

Autosampler Location: 6
Date Collected: 05/22/2003 09:53:48

Sample Wt: Sample Prep Volume:
Dilution: Data Type: Original

Mean Data: 2100

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2350552.4	88.890	%	0.8590				0.97%
Yttrium,7440-65-5R	4418882.9	89.371	%	0.3681				0.41%
Scandium	2860447.5	90.239	%	0.8654				0.96%
Ar 420.069	514266.3	94.372	%	0.5181				0.55%
Aluminum,7429-90-5†	826401.3	229.00	mg/L	3.270	229.00	mg/L	3.270	1.43%
QC value within limits for Aluminum,7429-90-5 Recovery = 113.93%								
Antimony,7440-36-0†	447.0	1.0817	mg/L	0.04600	1.0817	mg/L	0.04600	4.25%
QC value within limits for Antimony,7440-36-0 Recovery = 108.17%								
Arsenic,7440-38-2†	303.4	1.0881	mg/L	0.01095	1.0881	mg/L	0.01095	1.01%
QC value within limits for Arsenic,7440-38-2 Recovery = 108.81%								
Barium,7440-39-3†	11754.2	0.5444	mg/L	0.00566	0.5444	mg/L	0.00566	1.04%
QC value within limits for Barium,7440-39-3 Recovery = 108.88%								
Beryllium,7440-41-7†	1860319.0	0.5491	mg/L	0.00799	0.5491	mg/L	0.00799	1.45%
QC value within limits for Beryllium,7440-41-7 Recovery = 109.81%								
Boron,7440-42-8†	105214.8	1.1552	mg/L	0.02303	1.1552	mg/L	0.02303	1.99%
QC value within limits for Boron,7440-42-8 Recovery = 115.52%								
Cadmium,7440-43-9†	23785.3	1.0615	mg/L	0.01478	1.0615	mg/L	0.01478	1.39%
QC value within limits for Cadmium,7440-43-9 Recovery = 106.15%								
Calcium,7440-70-2†	12835414.2	214.73	mg/L	5.145	214.73	mg/L	5.145	2.40%
QC value within limits for Calcium,7440-70-2 Recovery = 107.31%								
Chromium,7440-47-3†	73486.4	0.5352	mg/L	0.00731	0.5352	mg/L	0.00731	1.37%
QC value within limits for Chromium,7440-47-3 Recovery = 107.04%								
Cobalt,7440-48-4†	3739.1	0.5238	mg/L	0.00463	0.5238	mg/L	0.00463	0.88%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.76%								
Copper,7440-50-8†	124725.8	0.5527	mg/L	0.00807	0.5527	mg/L	0.00807	1.46%
QC value within limits for Copper,7440-50-8 Recovery = 110.53%								
Iron,7439-89-6†	599700.4	84.859	mg/L	1.2443	84.859	mg/L	1.2443	1.47%
QC value within limits for Iron,7439-89-6 Recovery = 105.94%								
Lead,7439-92-1†	2402.6	1.0669	mg/L	0.02098	1.0669	mg/L	0.02098	1.97%
QC value within limits for Lead,7439-92-1 Recovery = 106.69%								
Magnesium,7439-95-4†	2462305.7	224.29	mg/L	3.136	224.29	mg/L	3.136	1.40%
QC value within limits for Magnesium,7439-95-4 Recovery = 112.09%								
Manganese,7439-96-5†	125304.3	0.5481	mg/L	0.00755	0.5481	mg/L	0.00755	1.38%
QC value within limits for Manganese,7439-96-5 Recovery = 109.62%								
Molybdenum,7439-98-7†	5948.6	1.1219	mg/L	0.02013	1.1219	mg/L	0.02013	1.79%
QC value within limits for Molybdenum,7439-98-7 Recovery = 112.19%								
Nickel,7440-02-0†	19725.9	1.0171	mg/L	0.01276	1.0171	mg/L	0.01276	1.25%
QC value within limits for Nickel,7440-02-0 Recovery = 101.71%								
Selenium,7782-49-2†	469.4	1.2443	mg/L	0.02939	1.2443	mg/L	0.02939	2.36%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = 124.43%								
Silver,7440-22-4†	252622.4	1.1147	mg/L	0.01507	1.1147	mg/L	0.01507	1.35%
QC value within limits for Silver,7440-22-4 Recovery = 111.47%								
Strontium,7440-24-6†	149.0	-0.0012	mg/L	0.00046	-0.0012	mg/L	0.00046	38.41%
Thallium,7440-28-0†	185.4	1.1633	mg/L	0.02764	1.1633	mg/L	0.02764	2.38%
QC value within limits for Thallium,7440-28-0 Recovery = 116.33%								
Tin,7440-31-5†	-81.5	-0.0082	mg/L	0.00380	-0.0082	mg/L	0.00380	46.49%
Titanium,7440-32-6†	144.5	-0.0005	mg/L	0.00018	-0.0005	mg/L	0.00018	33.92%
Vanadium,7440-62-2†	108140.5	0.5440	mg/L	0.00811	0.5440	mg/L	0.00811	1.49%
QC value within limits for Vanadium,7440-62-2 Recovery = 108.80%								
Zinc,7440-66-6†	38186.5	1.0917	mg/L	0.01544	1.0917	mg/L	0.01544	1.41%
QC value within limits for Zinc,7440-66-6 Recovery = 109.17%								
Zirconium,7440-67-7†	3414.9	0.0037	mg/L	0.00157	0.0037	mg/L	0.00157	42.39%

QC Failed. Continue with analysis.

Sequence No.: 9 Autosampler Location: 7
Sample ID: 1800 Date Collected: 05/22/2003 09:59:10
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2549938.3	96.430	%	0.4364				0.45%

Yttrium,7440-65-5R	4764465.7	96.360 %	0.5278				0.55%
Scandium	3107772.5	98.042 %	0.5838				0.60%
Ar 420.069	529662.6	97.198 %	0.5391				0.55%
Aluminum,7429-90-5†	19221.7	5.3165 mg/L	0.04648	5.3165	mg/L	0.04648	0.87%
QC value within limits for Aluminum,7429-90-5 Recovery = 106.33%							
Antimony,7440-36-0†	15.0	0.0261 mg/L	0.00040	0.0261	mg/L	0.00040	1.53%
Arsenic,7440-38-2†	163.8	0.5517 mg/L	0.00486	0.5517	mg/L	0.00486	0.88%
QC value within limits for Arsenic,7440-38-2 Recovery = 110.33%							
Barium,7440-39-3†	11477.5	0.5341 mg/L	0.00385	0.5341	mg/L	0.00385	0.72%
QC value within limits for Barium,7440-39-3 Recovery = 106.83%							
Beryllium,7440-41-7†	1800747.5	0.5312 mg/L	0.00619	0.5312	mg/L	0.00619	1.17%
QC value within limits for Beryllium,7440-41-7 Recovery = 106.23%							
Boron,7440-42-8†	2592.3	0.0166 mg/L	0.00135	0.0166	mg/L	0.00135	8.14%
Cadmium,7440-43-9†	12155.4	0.5345 mg/L	0.00588	0.5345	mg/L	0.00588	1.10%
QC value within limits for Cadmium,7440-43-9 Recovery = 106.91%							
Calcium,7440-70-2†	320709.9	5.3692 mg/L	0.04785	5.3692	mg/L	0.04785	0.89%
QC value within limits for Calcium,7440-70-2 Recovery = 107.38%							
Chromium,7440-47-3†	74205.2	0.5400 mg/L	0.00587	0.5400	mg/L	0.00587	1.09%
QC value within limits for Chromium,7440-47-3 Recovery = 108.00%							
Cobalt,7440-48-4†	3841.2	0.5359 mg/L	0.00217	0.5359	mg/L	0.00217	0.40%
QC value within limits for Cobalt,7440-48-4 Recovery = 107.18%							
Copper,7440-50-8†	122800.4	0.5325 mg/L	0.00734	0.5325	mg/L	0.00734	1.38%
QC value within limits for Copper,7440-50-8 Recovery = 106.51%							
Iron,7439-89-6†	37823.9	5.3729 mg/L	0.05074	5.3729	mg/L	0.05074	0.94%
QC value within limits for Iron,7439-89-6 Recovery = 107.46%							
Lead,7439-92-1†	1225.3	0.5371 mg/L	0.00431	0.5371	mg/L	0.00431	0.80%
QC value within limits for Lead,7439-92-1 Recovery = 107.42%							
Magnesium,7439-95-4†	58796.0	5.3607 mg/L	0.05877	5.3607	mg/L	0.05877	1.10%
QC value within limits for Magnesium,7439-95-4 Recovery = 107.21%							
Manganese,7439-96-5†	123054.8	0.5363 mg/L	0.00485	0.5363	mg/L	0.00485	0.90%
QC value within limits for Manganese,7439-96-5 Recovery = 107.27%							
Molybdenum,7439-98-7†	4.3	0.0009 mg/L	0.00204	0.0009	mg/L	0.00204	216.15%
Nickel,7440-02-0†	10341.0	0.5357 mg/L	0.00680	0.5357	mg/L	0.00680	1.27%
QC value within limits for Nickel,7440-02-0 Recovery = 107.14%							
Selenium,7782-49-2†	236.3	0.5198 mg/L	0.00958	0.5198	mg/L	0.00958	1.84%
QC value within limits for Selenium,7782-49-2 Recovery = 103.96%							
Silver,7440-22-4†	120338.0	0.5275 mg/L	0.00372	0.5275	mg/L	0.00372	0.70%
QC value within limits for Silver,7440-22-4 Recovery = 105.49%							
Strontium,7440-24-6†	87681.8	0.5184 mg/L	0.01045	0.5184	mg/L	0.01045	2.02%
QC value within limits for Strontium,7440-24-6 Recovery = 103.68%							
Thallium,7440-28-0†	87.3	0.5476 mg/L	0.01273	0.5476	mg/L	0.01273	2.32%
QC value within limits for Thallium,7440-28-0 Recovery = 109.53%							
Tin,7440-31-5†	-6.9	-0.0049 mg/L	0.00208	-0.0049	mg/L	0.00208	42.21%
Titanium,7440-32-6†	217.0	0.0004 mg/L	0.00034	0.0004	mg/L	0.00034	91.78%
Vanadium,7440-62-2†	108783.9	0.5346 mg/L	0.00565	0.5346	mg/L	0.00565	1.06%
QC value within limits for Vanadium,7440-62-2 Recovery = 106.91%							
Zinc,7440-66-6†	17453.8	0.5287 mg/L	0.00740	0.5287	mg/L	0.00740	1.40%
QC value within limits for Zinc,7440-66-6 Recovery = 105.74%							
Zirconium,7440-67-7†	202357.3	0.5246 mg/L	0.01618	0.5246	mg/L	0.01618	3.08%
QC value within limits for Zirconium,7440-67-7 Recovery = 104.92%							

All analytes passed QC.

Sequence No.: 10 Autosampler Location: 8
Sample ID: 1802 Date Collected: 05/22/2003 10:04:15
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2564498.1	96.980	%	1.1145				1.15%
Yttrium,7440-65-5R	4799079.0	97.060	%	1.1107				1.14%
Scandium	3103931.3	97.921	%	1.0974				1.12%
Ar 420.069	528353.2	96.958	%	0.7139				0.74%
Aluminum,7429-90-5†	-590.0	-0.1636	mg/L	0.00147	-0.1636	mg/L	0.00147	0.90%
Antimony,7440-36-0†	223.3	0.5418	mg/L	0.00781	0.5418	mg/L	0.00781	1.44%
QC value within limits for Antimony,7440-36-0 Recovery = 108.37%								
Arsenic,7440-38-2†	6.3	0.0204	mg/L	0.00893	0.0204	mg/L	0.00893	43.77%
Barium,7440-39-3†	3.9	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	140.64%
Beryllium,7440-41-7†	678.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.83%

Boron,7440-42-8†	182220.0	2.6049 mg/L	0.02058	2.6049 mg/L	0.02058	0.79%
QC value within limits for Boron,7440-42-8 Recovery = 104.20%						
Cadmium,7440-43-9†	2.5	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	96.05%
Calcium,7440-70-2†	86.8	0.0002 mg/L	0.00042	0.0002 mg/L	0.00042	188.21%
Chromium,7440-47-3†	-186.8	-0.0014 mg/L	0.00100	-0.0014 mg/L	0.00100	71.27%
Cobalt,7440-48-4†	14.4	0.0009 mg/L	0.00054	0.0009 mg/L	0.00054	59.88%
Copper,7440-50-8†	210.6	0.0008 mg/L	0.00013	0.0008 mg/L	0.00013	16.62%
Iron,7439-89-6†	2.6	0.0014 mg/L	0.00043	0.0014 mg/L	0.00043	30.63%
Lead,7439-92-1†	-0.9	-0.0003 mg/L	0.00216	-0.0003 mg/L	0.00216	666.77%
Magnesium,7439-95-4†	31.3	0.0042 mg/L	0.00385	0.0042 mg/L	0.00385	92.81%
Manganese,7439-96-5†	-23.8	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	19.27%
Molybdenum,7439-98-7†	2801.7	0.5259 mg/L	0.00272	0.5259 mg/L	0.00272	0.52%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.18%						
Nickel,7440-02-0†	24.6	0.0012 mg/L	0.00039	0.0012 mg/L	0.00039	31.71%
Selenium,7782-49-2†	-5.8	-0.0123 mg/L	0.00459	-0.0123 mg/L	0.00459	37.17%
Silver,7440-22-4†	799.0	0.0035 mg/L	0.00047	0.0035 mg/L	0.00047	13.41%
Strontium,7440-24-6†	126.9	0.0008 mg/L	0.00039	0.0008 mg/L	0.00039	50.07%
Thallium,7440-28-0†	-0.2	-0.0012 mg/L	0.00577	-0.0012 mg/L	0.00577	476.99%
Tin,7440-31-5†	472.8	0.5353 mg/L	0.00191	0.5353 mg/L	0.00191	0.36%
QC value within limits for Tin,7440-31-5 Recovery = 107.06%						
Titanium,7440-32-6†	275727.8	0.5228 mg/L	0.00444	0.5228 mg/L	0.00444	0.85%
QC value within limits for Titanium,7440-32-6 Recovery = 104.57%						
Vanadium,7440-62-2†	163.3	0.0005 mg/L	0.00042	0.0005 mg/L	0.00042	85.79%
Zinc,7440-66-6†	-109.7	-0.0033 mg/L	0.00029	-0.0033 mg/L	0.00029	8.62%
Zirconium,7440-67-7†	230899.5	0.5988 mg/L	0.01151	0.5988 mg/L	0.01151	1.92%

All analytes passed QC.

==========

Sequence No.: 11
Sample ID: 1900
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 05/22/2003 10:09:17
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2567302.1	97.086	%	0.6277				0.65%
Yttrium,7440-65-5R	4801170.5	97.103	%	0.5833				0.60%
Scandium	3088581.2	97.437	%	0.5775				0.59%
Ar 420.069	529764.9	97.217	%	0.1675				0.17%
Aluminum,7429-90-5†	13.1	0.0036	mg/L	0.00390	0.0036	mg/L	0.00390	107.27%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	5.3	0.0131	mg/L	0.00665	0.0131	mg/L	0.00665	50.98%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.9	0.0096	mg/L	0.01009	0.0096	mg/L	0.01009	105.10%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-0.7	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	422.08%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	102.3	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	92.46%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1530.3	0.0219	mg/L	0.00375	0.0219	mg/L	0.00375	17.12%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-2.5	-0.0001	mg/L	0.00021	-0.0001	mg/L	0.00021	194.04%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	131.7	0.0022	mg/L	0.00228	0.0022	mg/L	0.00228	103.60%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-335.4	-0.0024	mg/L	0.00045	-0.0024	mg/L	0.00045	18.44%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	0.4	0.0001	mg/L	0.00041	0.0001	mg/L	0.00041	671.24%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-8.3	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	181.95%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-6.2	-0.0009	mg/L	0.00178	-0.0009	mg/L	0.00178	204.42%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	6.4	0.0028	mg/L	0.00327	0.0028	mg/L	0.00327	116.10%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Magnesium,7439-95-4†	73.2	0.0067	mg/L	0.00298	0.0067	mg/L	0.00298	44.75%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-48.2	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	22.86%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	11.8	0.0022	mg/L	0.00076	0.0022	mg/L	0.00076	34.28%

QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated

Nickel,7440-02-0†	14.4	0.0007 mg/L	0.00044	0.0007 mg/L	0.00044	59.59%

QC value within limits for Nickel,7440-02-0 Recovery = Not calculated

Selenium,7782-49-2†	-5.6	-0.0122 mg/L	0.00636	-0.0122 mg/L	0.00636	52.10%

QC value within limits for Selenium,7782-49-2 Recovery = Not calculated

Silver,7440-22-4†	-118.2	-0.0005 mg/L	0.00055	-0.0005 mg/L	0.00055	105.41%

QC value within limits for Silver,7440-22-4 Recovery = Not calculated

Strontium,7440-24-6†	62.0	0.0004 mg/L	0.00030	0.0004 mg/L	0.00030	81.88%

QC value within limits for Strontium,7440-24-6 Recovery = Not calculated

Thallium,7440-28-0†	-0.6	-0.0037 mg/L	0.00376	-0.0037 mg/L	0.00376	101.82%

QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5†	0.7	0.0007 mg/L	0.00131	0.0007 mg/L	0.00131	177.31%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6†	-28.9	-0.0001 mg/L	0.00034	-0.0001 mg/L	0.00034	622.64%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2†	121.1	0.0006 mg/L	0.00028	0.0006 mg/L	0.00028	49.03%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	-20.1	-0.0006 mg/L	0.00012	-0.0006 mg/L	0.00012	19.08%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	215.9	0.0006 mg/L	0.00029	0.0006 mg/L	0.00029	51.69%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 12
Sample ID: 99698
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 17
Date Collected: 05/22/2003 10:14:14

Sample Prep Volume:
Data Type: Original

Mean Data: 99698

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2599935.3	98.320	%	0.8865				0.90%
Yttrium,7440-65-5R	4861695.6	98.327	%	0.8908				0.91%
Scandium	3132158.0	98.811	%	0.9108				0.92%
Ar 420.069	524419.6	96.236	%	0.9163				0.95%
Aluminum,7429-90-5†	32.7	0.0091	mg/L	0.00383	0.0091	mg/L	0.00383	42.23%
Antimony,7440-36-0†	5.7	0.0138	mg/L	0.00543	0.0138	mg/L	0.00543	39.30%
Arsenic,7440-38-2†	3.5	0.0113	mg/L	0.00421	0.0113	mg/L	0.00421	37.24%
Barium,7440-39-3†	-1.0	0.0000	mg/L	0.00019	0.0000	mg/L	0.00019	415.59%
Beryllium,7440-41-7†	41.7	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	307.00%
Boron,7440-42-8†	818.0	0.0117	mg/L	0.00047	0.0117	mg/L	0.00047	4.04%
Cadmium,7440-43-9†	-0.8	0.0000	mg/L	0.00045	0.0000	mg/L	0.00045	>999.9%
Calcium,7440-70-2†	-249.3	-0.0042	mg/L	0.00101	-0.0042	mg/L	0.00101	24.19%
Chromium,7440-47-3†	-314.9	-0.0023	mg/L	0.00063	-0.0023	mg/L	0.00063	27.31%
Cobalt,7440-48-4†	-0.3	0.0000	mg/L	0.00047	0.0000	mg/L	0.00047	>999.9%
Copper,7440-50-8†	-93.2	-0.0004	mg/L	0.00008	-0.0004	mg/L	0.00008	20.59%
Iron,7439-89-6†	-7.6	-0.0011	mg/L	0.00082	-0.0011	mg/L	0.00082	76.14%
Lead,7439-92-1†	1.4	0.0006	mg/L	0.00497	0.0006	mg/L	0.00497	830.25%
Magnesium,7439-95-4†	75.1	0.0068	mg/L	0.00472	0.0068	mg/L	0.00472	69.04%
Manganese,7439-96-5†	-55.0	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	8.60%
Molybdenum,7439-98-7†	6.7	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	4.35%
Nickel,7440-02-0†	19.5	0.0010	mg/L	0.00060	0.0010	mg/L	0.00060	59.45%
Selenium,7782-49-2†	-3.0	-0.0066	mg/L	0.00242	-0.0066	mg/L	0.00242	36.54%
Silver,7440-22-4†	-250.2	-0.0011	mg/L	0.00058	-0.0011	mg/L	0.00058	53.10%
Strontium,7440-24-6†	63.7	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	16.91%
Thallium,7440-28-0†	1.4	0.0090	mg/L	0.00681	0.0090	mg/L	0.00681	75.70%
Tin,7440-31-5†	-1.2	-0.0014	mg/L	0.00255	-0.0014	mg/L	0.00255	188.74%
Titanium,7440-32-6†	-157.7	-0.0003	mg/L	0.00014	-0.0003	mg/L	0.00014	48.01%
Vanadium,7440-62-2†	108.2	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	33.10%
Zinc,7440-66-6†	-40.3	-0.0012	mg/L	0.00027	-0.0012	mg/L	0.00027	22.02%
Zirconium,7440-67-7†	35.8	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	103.12%

Sequence No.: 13
Sample ID: 99699
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 18
Date Collected: 05/22/2003 10:19:08

Sample Prep Volume:
Data Type: Original

Titanium,7440-32-6†	5404.3	0.0102 mg/L	0.00068	0.0102 mg/L	0.00068	6.67%
Vanadium,7440-62-2†	1634.9	0.0082 mg/L	0.00149	0.0082 mg/L	0.00149	18.09%
Zinc,7440-66-6†	4547.8	0.1337 mg/L	0.00190	0.1337 mg/L	0.00190	1.42%
Zirconium,7440-67-7†	1778.6	0.0045 mg/L	0.00048	0.0045 mg/L	0.00048	10.58%

==========

Sequence No.: 22
Sample ID: 1800
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 05/22/2003 11:05:19

Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2596998.0	98.209	%	0.2720				0.28%
Yttrium,7440-65-5R	4855237.5	98.196	%	0.2501				0.25%
Scandium	3166775.4	99.903	%	0.2976				0.30%
Ar 420.069	550345.8	100.99	%	0.504				0.50%
Aluminum,7429-90-5†	18390.7	5.0866	mg/L	0.08528	5.0866	mg/L	0.08528	1.68%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.73%								
Antimony,7440-36-0†	5.3	0.0029	mg/L	0.00477	0.0029	mg/L	0.00477	162.29%
Arsenic,7440-38-2†	158.6	0.5342	mg/L	0.01029	0.5342	mg/L	0.01029	1.93%
QC value within limits for Arsenic,7440-38-2 Recovery = 106.84%								
Barium,7440-39-3†	11069.1	0.5151	mg/L	0.00538	0.5151	mg/L	0.00538	1.04%
QC value within limits for Barium,7440-39-3 Recovery = 103.02%								
Beryllium,7440-41-7†	1742353.7	0.5139	mg/L	0.00857	0.5139	mg/L	0.00857	1.67%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.79%								
Boron,7440-42-8†	2408.6	0.0147	mg/L	0.00090	0.0147	mg/L	0.00090	6.08%
Cadmium,7440-43-9†	11741.0	0.5163	mg/L	0.00866	0.5163	mg/L	0.00866	1.68%
QC value within limits for Cadmium,7440-43-9 Recovery = 103.26%								
Calcium,7440-70-2†	308369.9	5.1626	mg/L	0.07859	5.1626	mg/L	0.07859	1.52%
QC value within limits for Calcium,7440-70-2 Recovery = 103.25%								
Chromium,7440-47-3†	70935.9	0.5162	mg/L	0.00861	0.5162	mg/L	0.00861	1.67%
QC value within limits for Chromium,7440-47-3 Recovery = 103.24%								
Cobalt,7440-48-4†	3708.6	0.5174	mg/L	0.00111	0.5174	mg/L	0.00111	0.21%
QC value within limits for Cobalt,7440-48-4 Recovery = 103.48%								
Copper,7440-50-8†	116674.7	0.5060	mg/L	0.00862	0.5060	mg/L	0.00862	1.70%
QC value within limits for Copper,7440-50-8 Recovery = 101.20%								
Iron,7439-89-6†	36407.6	5.1717	mg/L	0.09067	5.1717	mg/L	0.09067	1.75%
QC value within limits for Iron,7439-89-6 Recovery = 103.43%								
Lead,7439-92-1†	1188.4	0.5209	mg/L	0.00363	0.5209	mg/L	0.00363	0.70%
QC value within limits for Lead,7439-92-1 Recovery = 104.19%								
Magnesium,7439-95-4†	56471.6	5.1488	mg/L	0.08146	5.1488	mg/L	0.08146	1.58%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.98%								
Manganese,7439-96-5†	118492.4	0.5164	mg/L	0.00768	0.5164	mg/L	0.00768	1.49%
QC value within limits for Manganese,7439-96-5 Recovery = 103.29%								
Molybdenum,7439-98-7†	91.2	0.0173	mg/L	0.00275	0.0173	mg/L	0.00275	15.92%
Nickel,7440-02-0†	10045.9	0.5204	mg/L	0.00879	0.5204	mg/L	0.00879	1.69%
QC value within limits for Nickel,7440-02-0 Recovery = 104.08%								
Selenium,7782-49-2†	232.2	0.5107	mg/L	0.00789	0.5107	mg/L	0.00789	1.54%
QC value within limits for Selenium,7782-49-2 Recovery = 102.13%								
Silver,7440-22-4†	116215.7	0.5094	mg/L	0.00751	0.5094	mg/L	0.00751	1.47%
QC value within limits for Silver,7440-22-4 Recovery = 101.88%								
Strontium,7440-24-6†	84693.2	0.5007	mg/L	0.00915	0.5007	mg/L	0.00915	1.83%
QC value within limits for Strontium,7440-24-6 Recovery = 100.15%								
Thallium,7440-28-0†	82.8	0.5193	mg/L	0.01613	0.5193	mg/L	0.01613	3.11%
QC value within limits for Thallium,7440-28-0 Recovery = 103.86%								
Tin,7440-31-5†	-3.8	-0.0016	mg/L	0.00324	-0.0016	mg/L	0.00324	202.88%
Titanium,7440-32-6†	318.6	0.0006	mg/L	0.00034	0.0006	mg/L	0.00034	60.46%
Vanadium,7440-62-2†	104741.0	0.5147	mg/L	0.00812	0.5147	mg/L	0.00812	1.58%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.93%								
Zinc,7440-66-6†	16909.1	0.5122	mg/L	0.00829	0.5122	mg/L	0.00829	1.62%
QC value within limits for Zinc,7440-66-6 Recovery = 102.44%								
Zirconium,7440-67-7†	192185.0	0.4982	mg/L	0.02384	0.4982	mg/L	0.02384	4.79%
QC value within limits for Zirconium,7440-67-7 Recovery = 99.65%								

All analytes passed QC.

==========

Sequence No.: 23
Sample ID: 1802
Analyst:

Autosampler Location: 8
Date Collected: 05/22/2003 11:10:23

Sample Wt: Sample Prep Volume:
Dilution: Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2571555.3	97.247	%	2.1975				2.26%
Yttrium,7440-65-5R	4814222.3	97.367	%	2.1710				2.23%
Scandium	3107501.0	98.033	%	2.1474				2.19%
Ar 420.069	547776.6	100.52	%	0.434				0.43%
Aluminum,7429-90-5†	-603.3	-0.1673	mg/L	0.00540	-0.1673	mg/L	0.00540	3.23%
Antimony,7440-36-0†	214.7	0.5210	mg/L	0.01753	0.5210	mg/L	0.01753	3.36%
QC value within limits for Antimony,7440-36-0 Recovery = 104.20%								
Arsenic,7440-38-2†	4.4	0.0140	mg/L	0.00789	0.0140	mg/L	0.00789	56.24%
Barium,7440-39-3†	1.0	0.0000	mg/L	0.00015	0.0000	mg/L	0.00015	715.29%
Beryllium,7440-41-7†	627.2	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	21.67%
Boron,7440-42-8†	180357.4	2.5783	mg/L	0.02669	2.5783	mg/L	0.02669	1.04%
QC value within limits for Boron,7440-42-8 Recovery = 103.13%								
Cadmium,7440-43-9†	-4.6	-0.0002	mg/L	0.00027	-0.0002	mg/L	0.00027	151.37%
Calcium,7440-70-2†	-315.5	-0.0065	mg/L	0.00072	-0.0065	mg/L	0.00072	11.16%
Chromium,7440-47-3†	-284.2	-0.0021	mg/L	0.00036	-0.0021	mg/L	0.00036	16.95%
Cobalt,7440-48-4†	2.3	-0.0008	mg/L	0.00057	-0.0008	mg/L	0.00057	73.04%
Copper,7440-50-8†	106.7	0.0003	mg/L	0.00025	0.0003	mg/L	0.00025	70.63%
Iron,7439-89-6†	-2.5	0.0007	mg/L	0.00124	0.0007	mg/L	0.00124	187.09%
Lead,7439-92-1†	-1.1	-0.0004	mg/L	0.00192	-0.0004	mg/L	0.00192	446.29%
Magnesium,7439-95-4†	31.6	0.0042	mg/L	0.00198	0.0042	mg/L	0.00198	47.61%
Manganese,7439-96-5†	-36.2	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	41.70%
Molybdenum,7439-98-7†	2808.1	0.5271	mg/L	0.01189	0.5271	mg/L	0.01189	2.26%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.42%								
Nickel,7440-02-0†	30.1	0.0015	mg/L	0.00028	0.0015	mg/L	0.00028	18.09%
Selenium,7782-49-2†	-3.1	-0.0064	mg/L	0.00667	-0.0064	mg/L	0.00667	103.57%
Silver,7440-22-4†	663.1	0.0029	mg/L	0.00027	0.0029	mg/L	0.00027	9.35%
Strontium,7440-24-6†	103.2	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	27.19%
Thallium,7440-28-0†	-0.2	-0.0014	mg/L	0.00459	-0.0014	mg/L	0.00459	318.15%
Tin,7440-31-5†	460.6	0.5214	mg/L	0.01915	0.5214	mg/L	0.01915	3.67%
QC value within limits for Tin,7440-31-5 Recovery = 104.29%								
Titanium,7440-32-6†	271892.7	0.5156	mg/L	0.00859	0.5156	mg/L	0.00859	1.67%
QC value within limits for Titanium,7440-32-6 Recovery = 103.11%								
Vanadium,7440-62-2†	205.8	0.0007	mg/L	0.00034	0.0007	mg/L	0.00034	48.68%
Zinc,7440-66-6†	-90.5	-0.0027	mg/L	0.00024	-0.0027	mg/L	0.00024	8.86%
Zirconium,7440-67-7†	227082.6	0.5889	mg/L	0.01759	0.5889	mg/L	0.01759	2.99%

All analytes passed QC.

Sequence No.: 24 Autosampler Location: 1
Sample ID: 1900 Date Collected: 05/22/2003 11:15:25
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2628924.0	99.417	%	0.8904				0.90%
Yttrium,7440-65-5R	4914883.9	99.402	%	0.8939				0.90%
Scandium	3156876.1	99.591	%	0.9084				0.91%
Ar 420.069	554016.3	101.67	%	0.496				0.49%
Aluminum,7429-90-5†	21.2	0.0059	mg/L	0.00793	0.0059	mg/L	0.00793	134.83%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	2.9	0.0072	mg/L	0.01130	0.0072	mg/L	0.01130	157.54%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	5.2	0.0169	mg/L	0.00205	0.0169	mg/L	0.00205	12.10%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-0.6	0.0000	mg/L	0.00040	0.0000	mg/L	0.00040	>999.9%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	174.5	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	31.33%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1585.7	0.0227	mg/L	0.00324	0.0227	mg/L	0.00324	14.28%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-7.3	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	55.55%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								

Calcium,7440-70-2†	-262.1	-0.0044 mg/L	0.00063	-0.0044 mg/L	0.00063	14.27%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated						
Chromium,7440-47-3†	-362.0	-0.0026 mg/L	0.00061	-0.0026 mg/L	0.00061	23.20%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4†	-3.9	-0.0005 mg/L	0.00076	-0.0005 mg/L	0.00076	138.39%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	-208.6	-0.0009 mg/L	0.00010	-0.0009 mg/L	0.00010	11.58%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	-5.8	-0.0008 mg/L	0.00037	-0.0008 mg/L	0.00037	44.76%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	4.6	0.0020 mg/L	0.00096	0.0020 mg/L	0.00096	47.05%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Magnesium,7439-95-4†	24.2	0.0022 mg/L	0.00243	0.0022 mg/L	0.00243	110.55%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	-84.5	-0.0004 mg/L	0.00001	-0.0004 mg/L	0.00001	2.35%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	39.9	0.0075 mg/L	0.00096	0.0075 mg/L	0.00096	12.78%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	32.7	0.0017 mg/L	0.00035	0.0017 mg/L	0.00035	20.76%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Selenium,7782-49-2†	-9.7	-0.0210 mg/L	0.01192	-0.0210 mg/L	0.01192	56.72%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silver,7440-22-4†	-254.9	-0.0011 mg/L	0.00032	-0.0011 mg/L	0.00032	28.84%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Strontium,7440-24-6†	8.3	0.0000 mg/L	0.00026	0.0000 mg/L	0.00026	531.03%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	-0.2	-0.0013 mg/L	0.01279	-0.0013 mg/L	0.01279	983.25%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	0.4	0.0005 mg/L	0.00440	0.0005 mg/L	0.00440	934.15%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-70.3	-0.0001 mg/L	0.00022	-0.0001 mg/L	0.00022	167.25%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	47.9	0.0002 mg/L	0.00029	0.0002 mg/L	0.00029	132.75%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-112.4	-0.0034 mg/L	0.00019	-0.0034 mg/L	0.00019	5.60%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	45.8	0.0001 mg/L	0.00018	0.0001 mg/L	0.00018	147.78%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 25
Sample ID: 20305212004
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 05/22/2003 11:20:21
Sample Prep Volume:
Data Type: Original

Mean Data: 20305212004

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	1694077.5	64.064	%	1.4010				2.19%
Yttrium,7440-65-5R	3140281.3	63.511	%	1.4004				2.20%
Scandium	2082412.3	65.695	%	1.4130				2.15%
Ar 420.069	475337.3	87.229	%	0.3107				0.36%
Aluminum,7429-90-5†	177.6	0.0491	mg/L	0.00241	0.0491	mg/L	0.00241	4.92%
Antimony,7440-36-0†	-26.1	-0.0631	mg/L	0.01361	-0.0631	mg/L	0.01361	21.57%
Arsenic,7440-38-2†	-3.1	-0.0085	mg/L	0.01441	-0.0085	mg/L	0.01441	168.90%
Barium,7440-39-3†	3501.6	0.1628	mg/L	0.00376	0.1628	mg/L	0.00376	2.31%
Beryllium,7440-41-7†	-376.0	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	45.14%
Boron,7440-42-8†	9251.5	0.1278	mg/L	0.00289	0.1278	mg/L	0.00289	2.26%
Cadmium,7440-43-9†	-79.3	-0.0029	mg/L	0.00030	-0.0029	mg/L	0.00030	10.63%
Calcium,7440-70-2†	2505820.8	41.925	mg/L	0.0586	41.925	mg/L	0.0586	0.14%
Chromium,7440-47-3†	495.3	0.0042	mg/L	0.00132	0.0042	mg/L	0.00132	31.44%
Cobalt,7440-48-4†	-17.4	-0.0023	mg/L	0.00094	-0.0023	mg/L	0.00094	40.43%
Copper,7440-50-8†	5553.2	0.0237	mg/L	0.00059	0.0237	mg/L	0.00059	2.49%
Iron,7439-89-6†	3356.8	0.4759	mg/L	0.01393	0.4759	mg/L	0.01393	2.93%
Lead,7439-92-1†	-1.9	-0.0004	mg/L	0.00621	-0.0004	mg/L	0.00621	>999.9%
Magnesium,7439-95-4†	64410.8	5.8668	mg/L	0.11565	5.8668	mg/L	0.11565	1.97%
Manganese,7439-96-5†	2740.1	0.0120	mg/L	0.00024	0.0120	mg/L	0.00024	2.03%
Molybdenum,7439-98-7†	81.4	0.0157	mg/L	0.00195	0.0157	mg/L	0.00195	12.44%
Nickel,7440-02-0†	299.7	0.0154	mg/L	0.00021	0.0154	mg/L	0.00021	1.37%
Selenium,7782-49-2†	-29.6	-0.0640	mg/L	0.01636	-0.0640	mg/L	0.01636	25.57%

Silver,7440-22-4†	-633.3	-0.0011	mg/L	0.00040	-0.0011	mg/L	0.00040	36.04%
Strontium,7440-24-6†	51997.4	0.3067	mg/L	0.00538	0.3067	mg/L	0.00538	1.75%
Thallium,7440-28-0†	-22.2	-0.1391	mg/L	0.01548	-0.1391	mg/L	0.01548	11.13%
Tin,7440-31-5†	-13.7	-0.0086	mg/L	0.00179	-0.0086	mg/L	0.00179	20.86%
Titanium,7440-32-6†	815.3	0.0014	mg/L	0.00045	0.0014	mg/L	0.00045	31.23%
Vanadium,7440-62-2†	824.6	0.0042	mg/L	0.00057	0.0042	mg/L	0.00057	13.48%
Zinc,7440-66-6†	1625.2	0.0403	mg/L	0.00127	0.0403	mg/L	0.00127	3.15%
Zirconium,7440-67-7†	2474.8	0.0063	mg/L	0.00110	0.0063	mg/L	0.00110	17.57%

Sequence No.: 26
Sample ID: 99814
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 05/22/2003 11:25:16

Sample Prep Volume:
Data Type: Original

Mean Data: 99814

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2634182.0	99.615	%	0.9001				0.90%
Yttrium,7440-65-5R	4926052.8	99.628	%	0.8843				0.89%
Scandium	3179979.4	100.32	%	0.978				0.98%
Ar 420.069	548548.7	100.66	%	0.623				0.62%
Aluminum,7429-90-5†	44.3	0.0123	mg/L	0.00211	0.0123	mg/L	0.00211	17.17%
Antimony,7440-36-0†	2.9	0.0071	mg/L	0.00358	0.0071	mg/L	0.00358	50.26%
Arsenic,7440-38-2†	1.2	0.0038	mg/L	0.01120	0.0038	mg/L	0.01120	291.47%
Barium,7440-39-3†	1.4	0.0001	mg/L	0.00036	0.0001	mg/L	0.00036	537.84%
Beryllium,7440-41-7†	122.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	15.93%
Boron,7440-42-8†	718.4	0.0103	mg/L	0.00036	0.0103	mg/L	0.00036	3.53%
Cadmium,7440-43-9†	-1.7	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	151.25%
Calcium,7440-70-2†	1877.5	0.0314	mg/L	0.00211	0.0314	mg/L	0.00211	6.73%
Chromium,7440-47-3†	-319.4	-0.0023	mg/L	0.00045	-0.0023	mg/L	0.00045	19.29%
Cobalt,7440-48-4†	-0.6	-0.0001	mg/L	0.00093	-0.0001	mg/L	0.00093	>999.9%
Copper,7440-50-8†	-231.6	-0.0010	mg/L	0.00037	-0.0010	mg/L	0.00037	36.39%
Iron,7439-89-6†	-8.0	-0.0011	mg/L	0.00133	-0.0011	mg/L	0.00133	117.34%
Lead,7439-92-1†	0.9	0.0004	mg/L	0.00349	0.0004	mg/L	0.00349	924.55%
Magnesium,7439-95-4†	70.7	0.0064	mg/L	0.00070	0.0064	mg/L	0.00070	10.87%
Manganese,7439-96-5†	65.1	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	22.17%
Molybdenum,7439-98-7†	18.1	0.0034	mg/L	0.00135	0.0034	mg/L	0.00135	39.68%
Nickel,7440-02-0†	29.8	0.0015	mg/L	0.00018	0.0015	mg/L	0.00018	11.47%
Selenium,7782-49-2†	-3.9	-0.0084	mg/L	0.00952	-0.0084	mg/L	0.00952	113.35%
Silver,7440-22-4†	-299.2	-0.0013	mg/L	0.00027	-0.0013	mg/L	0.00027	20.32%
Strontium,7440-24-6†	25.3	0.0001	mg/L	0.00024	0.0001	mg/L	0.00024	162.62%
Thallium,7440-28-0†	0.5	0.0029	mg/L	0.01259	0.0029	mg/L	0.01259	427.44%
Tin,7440-31-5†	2.2	0.0025	mg/L	0.00120	0.0025	mg/L	0.00120	47.49%
Titanium,7440-32-6†	-137.2	-0.0003	mg/L	0.00019	-0.0003	mg/L	0.00019	72.56%
Vanadium,7440-62-2†	109.9	0.0005	mg/L	0.00036	0.0005	mg/L	0.00036	69.37%
Zinc,7440-66-6†	1027.5	0.0315	mg/L	0.00054	0.0315	mg/L	0.00054	1.72%
Zirconium,7440-67-7†	121.9	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	25.21%

Sequence No.: 27
Sample ID: 99815
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 29
Date Collected: 05/22/2003 11:30:16

Sample Prep Volume:
Data Type: Original

Mean Data: 99815

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2591276.8	97.993	%	0.1937				0.20%
Yttrium,7440-65-5R	4848128.6	98.052	%	0.1890				0.19%
Scandium	3176642.6	100.21	%	0.222				0.22%
Ar 420.069	546754.9	100.33	%	0.294				0.29%
Aluminum,7429-90-5†	36659.2	10.140	mg/L	0.2274	10.140	mg/L	0.2274	2.24%
Antimony,7440-36-0†	434.4	1.0345	mg/L	0.01056	1.0345	mg/L	0.01056	1.02%
Arsenic,7440-38-2†	318.7	1.0730	mg/L	0.02138	1.0730	mg/L	0.02138	1.99%
Barium,7440-39-3†	22094.4	1.0281	mg/L	0.02100	1.0281	mg/L	0.02100	2.04%
Beryllium,7440-41-7†	3530536.9	1.0413	mg/L	0.02093	1.0413	mg/L	0.02093	2.01%
Boron,7440-42-8†	365522.9	5.1861	mg/L	0.16476	5.1861	mg/L	0.16476	3.18%
Cadmium,7440-43-9†	23217.7	1.0211	mg/L	0.02246	1.0211	mg/L	0.02246	2.20%

Calcium,7440-70-2†	614574.5	10.287 mg/L	0.1915	10.287 mg/L	0.1915	1.86%
Chromium,7440-47-3†	140805.4	1.0245 mg/L	0.02145	1.0245 mg/L	0.02145	2.09%
Cobalt,7440-48-4†	7417.2	1.0326 mg/L	0.02766	1.0326 mg/L	0.02766	2.68%
Copper,7440-50-8†	236354.3	1.0248 mg/L	0.02516	1.0248 mg/L	0.02516	2.46%
Iron,7439-89-6†	72400.4	10.287 mg/L	0.2251	10.287 mg/L	0.2251	2.19%
Lead,7439-92-1†	2315.3	1.0150 mg/L	0.00415	1.0150 mg/L	0.00415	0.41%
Magnesium,7439-95-4†	112829.1	10.290 mg/L	0.2308	10.290 mg/L	0.2308	2.24%
Manganese,7439-96-5†	235518.9	1.0265 mg/L	0.02199	1.0265 mg/L	0.02199	2.14%
Molybdenum,7439-98-7†	5483.2	1.0295 mg/L	0.01231	1.0295 mg/L	0.01231	1.20%
Nickel,7440-02-0†	19864.9	1.0290 mg/L	0.02095	1.0290 mg/L	0.02095	2.04%
Selenium,7782-49-2†	486.3	1.0697 mg/L	0.02513	1.0697 mg/L	0.02513	2.35%
Silver,7440-22-4†	233637.5	1.0241 mg/L	0.02202	1.0241 mg/L	0.02202	2.15%
Strontium,7440-24-6†	175732.8	1.0391 mg/L	0.03396	1.0391 mg/L	0.03396	3.27%
Thallium,7440-28-0†	159.4	1.0004 mg/L	0.00908	1.0004 mg/L	0.00908	0.91%
Tin,7440-31-5†	904.4	1.0293 mg/L	0.01404	1.0293 mg/L	0.01404	1.36%
Titanium,7440-32-6†	536312.5	1.0169 mg/L	0.01791	1.0169 mg/L	0.01791	1.76%
Vanadium,7440-62-2†	209366.1	1.0281 mg/L	0.02149	1.0281 mg/L	0.02149	2.09%
Zinc,7440-66-6†	33749.4	1.0225 mg/L	0.02324	1.0225 mg/L	0.02324	2.27%
Zirconium,7440-67-7†	441300.6	1.1438 mg/L	0.02204	1.1438 mg/L	0.02204	1.93%

==========

Sequence No.: 28
Sample ID: 20305200501
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 05/22/2003 11:35:22

Sample Prep Volume:
Data Type: Original

Mean Data: 20305200501

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2625143.8	99.274	%	0.8632				0.87%
Yttrium,7440-65-5R	4907822.7	99.260	%	0.8394				0.85%
Scandium	3185562.6	100.50	%	0.822				0.82%
Ar 420.069	546064.8	100.21	%	0.422				0.42%
Aluminum,7429-90-5†	3012.2	0.8356	mg/L	0.01222	0.8356	mg/L	0.01222	1.46%
Antimony,7440-36-0†	23.0	0.0561	mg/L	0.00646	0.0561	mg/L	0.00646	11.51%
Arsenic,7440-38-2†	7.0	0.0233	mg/L	0.00821	0.0233	mg/L	0.00821	35.20%
Barium,7440-39-3†	213.0	0.0099	mg/L	0.00036	0.0099	mg/L	0.00036	3.60%
Beryllium,7440-41-7†	598.0	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	46.11%
Boron,7440-42-8†	4108.2	0.0574	mg/L	0.00655	0.0574	mg/L	0.00655	11.41%
Cadmium,7440-43-9†	-11.0	-0.0003	mg/L	0.00016	-0.0003	mg/L	0.00016	48.56%
Calcium,7440-70-2†	576410.0	9.6439	mg/L	0.10091	9.6439	mg/L	0.10091	1.05%
Chromium,7440-47-3†	-155.3	-0.0010	mg/L	0.00047	-0.0010	mg/L	0.00047	45.78%
Cobalt,7440-48-4†	-3.9	-0.0006	mg/L	0.00059	-0.0006	mg/L	0.00059	103.89%
Copper,7440-50-8†	57.7	0.0002	mg/L	0.00049	0.0002	mg/L	0.00049	324.85%
Iron,7439-89-6†	1178.0	0.1669	mg/L	0.00384	0.1669	mg/L	0.00384	2.30%
Lead,7439-92-1†	858.9	0.3773	mg/L	0.00334	0.3773	mg/L	0.00334	0.89%
Magnesium,7439-95-4†	14912.9	1.3585	mg/L	0.02342	1.3585	mg/L	0.02342	1.72%
Manganese,7439-96-5†	4087.7	0.0178	mg/L	0.00023	0.0178	mg/L	0.00023	1.28%
Molybdenum,7439-98-7†	21.2	0.0041	mg/L	0.00030	0.0041	mg/L	0.00030	7.29%
Nickel,7440-02-0†	37.0	0.0019	mg/L	0.00050	0.0019	mg/L	0.00050	26.75%
Selenium,7782-49-2†	-6.9	-0.0144	mg/L	0.00552	-0.0144	mg/L	0.00552	38.34%
Silver,7440-22-4†	-406.6	-0.0014	mg/L	0.00003	-0.0014	mg/L	0.00003	2.12%
Strontium,7440-24-6†	2562.2	0.0150	mg/L	0.00030	0.0150	mg/L	0.00030	1.99%
Thallium,7440-28-0†	1.3	0.0081	mg/L	0.00466	0.0081	mg/L	0.00466	57.20%
Tin,7440-31-5†	-4.1	-0.0029	mg/L	0.00305	-0.0029	mg/L	0.00305	104.37%
Titanium,7440-32-6†	11319.8	0.0214	mg/L	0.00203	0.0214	mg/L	0.00203	9.48%
Vanadium,7440-62-2†	355.1	0.0018	mg/L	0.00027	0.0018	mg/L	0.00027	15.20%
Zinc,7440-66-6†	381.6	0.0095	mg/L	0.00031	0.0095	mg/L	0.00031	3.29%
Zirconium,7440-67-7†	754.9	0.0019	mg/L	0.00048	0.0019	mg/L	0.00048	25.16%

==========

Sequence No.: 29
Sample ID: 20305200503
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 05/22/2003 11:40:25

Sample Prep Volume:
Data Type: Original

Mean Data: 20305200503

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Yttrium,7440-65-5A	2573372.4	97.316 %	1.4884			1.53%
Yttrium,7440-65-5R	4806997.2	97.220 %	1.5336			1.58%
Scandium	3116135.5	98.306 %	1.5831			1.61%
Ar 420.069	544551.3	99.930 %	0.5687			0.57%
Aluminum,7429-90-5†	3596.0	0.9975 mg/L	0.01537	0.9975 mg/L	0.01537	1.54%
Antimony,7440-36-0†	26.1	0.0636 mg/L	0.00621	0.0636 mg/L	0.00621	9.76%
Arsenic,7440-38-2†	9.5	0.0316 mg/L	0.00929	0.0316 mg/L	0.00929	29.43%
Barium,7440-39-3†	219.4	0.0102 mg/L	0.00022	0.0102 mg/L	0.00022	2.16%
Beryllium,7440-41-7†	-6.8	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	480.08%
Boron,7440-42-8†	2884.8	0.0398 mg/L	0.00179	0.0398 mg/L	0.00179	4.49%
Cadmium,7440-43-9†	-14.5	-0.0005 mg/L	0.00022	-0.0005 mg/L	0.00022	46.02%
Calcium,7440-70-2†	583489.4	9.7624 mg/L	0.07595	9.7624 mg/L	0.07595	0.78%
Chromium,7440-47-3†	-202.1	-0.0014 mg/L	0.00035	-0.0014 mg/L	0.00035	25.24%
Cobalt,7440-48-4†	-0.4	-0.0001 mg/L	0.00029	-0.0001 mg/L	0.00029	378.12%
Copper,7440-50-8†	108.0	0.0004 mg/L	0.00017	0.0004 mg/L	0.00017	45.72%
Iron,7439-89-6†	1365.8	0.1935 mg/L	0.00432	0.1935 mg/L	0.00432	2.23%
Lead,7439-92-1†	893.9	0.3927 mg/L	0.00528	0.3927 mg/L	0.00528	1.34%
Magnesium,7439-95-4†	15032.6	1.3695 mg/L	0.01044	1.3695 mg/L	0.01044	0.76%
Manganese,7439-96-5†	4066.8	0.0177 mg/L	0.00038	0.0177 mg/L	0.00038	2.12%
Molybdenum,7439-98-7†	10.0	0.0020 mg/L	0.00040	0.0020 mg/L	0.00040	20.35%
Nickel,7440-02-0†	30.1	0.0015 mg/L	0.00095	0.0015 mg/L	0.00095	62.58%
Selenium,7782-49-2†	-3.6	-0.0071 mg/L	0.01146	-0.0071 mg/L	0.01146	161.13%
Silver,7440-22-4†	-397.3	-0.0014 mg/L	0.00060	-0.0014 mg/L	0.00060	44.36%
Strontium,7440-24-6†	2477.9	0.0145 mg/L	0.00009	0.0145 mg/L	0.00009	0.61%
Thallium,7440-28-0†	-0.3	-0.0018 mg/L	0.00734	-0.0018 mg/L	0.00734	403.81%
Tin,7440-31-5†	-3.4	-0.0022 mg/L	0.00331	-0.0022 mg/L	0.00331	152.50%
Titanium,7440-32-6†	14039.7	0.0266 mg/L	0.00138	0.0266 mg/L	0.00138	5.21%
Vanadium,7440-62-2†	406.5	0.0020 mg/L	0.00022	0.0020 mg/L	0.00022	10.83%
Zinc,7440-66-6†	418.1	0.0106 mg/L	0.00046	0.0106 mg/L	0.00046	4.36%
Zirconium,7440-67-7†	872.5	0.0022 mg/L	0.00033	0.0022 mg/L	0.00033	14.69%

==========

Sequence No.: 30
Sample ID: 20305200502
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 32
Date Collected: 05/22/2003 11:45:28

Sample Prep Volume:
Data Type: Original

Mean Data: 20305200502

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2483721.6	93.925	%	1.7194				1.83%
Yttrium,7440-65-5R	4635369.5	93.749	%	1.7229				1.84%
Scandium	3029529.6	95.574	%	1.7109				1.79%
Ar 420.069	541296.3	99.333	%	0.4763				0.48%
Aluminum,7429-90-5†	45885.9	12.698	mg/L	0.1539	12.698	mg/L	0.1539	1.21%
Antimony,7440-36-0†	476.1	1.1352	mg/L	0.02006	1.1352	mg/L	0.02006	1.77%
Arsenic,7440-38-2†	338.6	1.1402	mg/L	0.01644	1.1402	mg/L	0.01644	1.44%
Barium,7440-39-3†	23274.5	1.0830	mg/L	0.01488	1.0830	mg/L	0.01488	1.37%
Beryllium,7440-41-7†	3690744.6	1.0886	mg/L	0.00365	1.0886	mg/L	0.00365	0.34%
Boron,7440-42-8†	384147.9	5.4485	mg/L	0.03406	5.4485	mg/L	0.03406	0.63%
Cadmium,7440-43-9†	24126.2	1.0612	mg/L	0.01379	1.0612	mg/L	0.01379	1.30%
Calcium,7440-70-2†	1214555.4	20.325	mg/L	0.0941	20.325	mg/L	0.0941	0.46%
Chromium,7440-47-3†	146645.9	1.0671	mg/L	0.01520	1.0671	mg/L	0.01520	1.42%
Cobalt,7440-48-4†	7721.2	1.0749	mg/L	0.01803	1.0749	mg/L	0.01803	1.68%
Copper,7440-50-8†	248816.1	1.0787	mg/L	0.01509	1.0787	mg/L	0.01509	1.40%
Iron,7439-89-6†	77948.0	11.073	mg/L	0.1569	11.073	mg/L	0.1569	1.42%
Lead,7439-92-1†	3275.5	1.4368	mg/L	0.01757	1.4368	mg/L	0.01757	1.22%
Magnesium,7439-95-4†	132701.9	12.101	mg/L	0.1615	12.101	mg/L	0.1615	1.33%
Manganese,7439-96-5†	250542.2	1.0920	mg/L	0.01438	1.0920	mg/L	0.01438	1.32%
Molybdenum,7439-98-7†	5643.3	1.0597	mg/L	0.01474	1.0597	mg/L	0.01474	1.39%
Nickel,7440-02-0†	20775.0	1.0761	mg/L	0.01727	1.0761	mg/L	0.01727	1.61%
Selenium,7782-49-2†	493.1	1.0864	mg/L	0.01204	1.0864	mg/L	0.01204	1.11%
Silver,7440-22-4†	243336.6	1.0670	mg/L	0.01493	1.0670	mg/L	0.01493	1.40%
Strontium,7440-24-6†	187927.2	1.1110	mg/L	0.01744	1.1110	mg/L	0.01744	1.57%
Thallium,7440-28-0†	169.5	1.0638	mg/L	0.01534	1.0638	mg/L	0.01534	1.44%
Tin,7440-31-5†	917.7	1.0464	mg/L	0.01916	1.0464	mg/L	0.01916	1.83%
Titanium,7440-32-6†	579497.3	1.0988	mg/L	0.00532	1.0988	mg/L	0.00532	0.48%
Vanadium,7440-62-2†	218679.8	1.0739	mg/L	0.01469	1.0739	mg/L	0.01469	1.37%
Zinc,7440-66-6†	37639.1	1.1389	mg/L	0.01390	1.1389	mg/L	0.01390	1.22%
Zirconium,7440-67-7†	456986.3	1.1844	mg/L	0.00545	1.1844	mg/L	0.00545	0.46%

Sequence No.: 31
Sample ID: 20305200504
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 05/22/2003 11:50:27

Sample Prep Volume:
Data Type: Original

Mean Data: 20305200504

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2534013.2	95.827	%	0.4451				0.46%
Yttrium,7440-65-5R	4725943.8	95.581	%	0.4340				0.45%
Scandium	3087249.1	97.394	%	0.4606				0.47%
Ar 420.069	539648.7	99.030	%	0.5349				0.54%
Aluminum,7429-90-5†	46936.3	12.989	mg/L	0.1366	12.989	mg/L	0.1366	1.05%
Antimony,7440-36-0†	475.4	1.1334	mg/L	0.02439	1.1334	mg/L	0.02439	2.15%
Arsenic,7440-38-2†	338.8	1.1407	mg/L	0.01873	1.1407	mg/L	0.01873	1.64%
Barium,7440-39-3†	23282.9	1.0834	mg/L	0.00474	1.0834	mg/L	0.00474	0.44%
Beryllium,7440-41-7†	3685678.0	1.0871	mg/L	0.02012	1.0871	mg/L	0.02012	1.85%
Boron,7440-42-8†	385726.6	5.4711	mg/L	0.04673	5.4711	mg/L	0.04673	0.85%
Cadmium,7440-43-9†	24046.3	1.0577	mg/L	0.00599	1.0577	mg/L	0.00599	0.57%
Calcium,7440-70-2†	1224393.1	20.490	mg/L	0.3669	20.490	mg/L	0.3669	1.79%
Chromium,7440-47-3†	146302.0	1.0646	mg/L	0.00489	1.0646	mg/L	0.00489	0.46%
Cobalt,7440-48-4†	7704.2	1.0725	mg/L	0.00631	1.0725	mg/L	0.00631	0.59%
Copper,7440-50-8†	248246.7	1.0762	mg/L	0.00357	1.0762	mg/L	0.00357	0.33%
Iron,7439-89-6†	77927.8	11.071	mg/L	0.0560	11.071	mg/L	0.0560	0.51%
Lead,7439-92-1†	3304.4	1.4495	mg/L	0.01493	1.4495	mg/L	0.01493	1.03%
Magnesium,7439-95-4†	132644.9	12.096	mg/L	0.0635	12.096	mg/L	0.0635	0.52%
Manganese,7439-96-5†	249364.9	1.0869	mg/L	0.00594	1.0869	mg/L	0.00594	0.55%
Molybdenum,7439-98-7†	5690.0	1.0685	mg/L	0.01796	1.0685	mg/L	0.01796	1.68%
Nickel,7440-02-0†	20745.0	1.0745	mg/L	0.00586	1.0745	mg/L	0.00586	0.55%
Selenium,7782-49-2†	492.5	1.0854	mg/L	0.01020	1.0854	mg/L	0.01020	0.94%
Silver,7440-22-4†	242921.0	1.0651	mg/L	0.00385	1.0651	mg/L	0.00385	0.36%
Strontium,7440-24-6†	186325.0	1.1016	mg/L	0.00212	1.1016	mg/L	0.00212	0.19%
Thallium,7440-28-0†	168.9	1.0599	mg/L	0.01192	1.0599	mg/L	0.01192	1.12%
Tin,7440-31-5†	918.1	1.0469	mg/L	0.01235	1.0469	mg/L	0.01235	1.18%
Titanium,7440-32-6†	580431.9	1.1005	mg/L	0.02249	1.1005	mg/L	0.02249	2.04%
Vanadium,7440-62-2†	218299.2	1.0720	mg/L	0.00541	1.0720	mg/L	0.00541	0.50%
Zinc,7440-66-6†	35504.6	1.0735	mg/L	0.00589	1.0735	mg/L	0.00589	0.55%
Zirconium,7440-67-7†	458403.0	1.1881	mg/L	0.00569	1.1881	mg/L	0.00569	0.48%

Sequence No.: 32
Sample ID: 99843
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 34
Date Collected: 05/22/2003 11:55:26

Sample Prep Volume:
Data Type: Original

Mean Data: 99843

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2484633.5	93.960	%	2.8426				3.03%
Yttrium,7440-65-5R	4633102.2	93.703	%	2.8046				2.99%
Scandium	3025155.1	95.436	%	2.8574				2.99%
Ar 420.069	541426.0	99.357	%	0.7743				0.78%
Aluminum,7429-90-5†	41007.7	11.346	mg/L	0.2590	11.346	mg/L	0.2590	2.28%
Antimony,7440-36-0†	467.1	1.1140	mg/L	0.03750	1.1140	mg/L	0.03750	3.37%
Arsenic,7440-38-2†	329.6	1.1094	mg/L	0.03357	1.1094	mg/L	0.03357	3.03%
Barium,7440-39-3†	22518.7	1.0479	mg/L	0.02652	1.0479	mg/L	0.02652	2.53%
Beryllium,7440-41-7†	3603339.5	1.0628	mg/L	0.03061	1.0628	mg/L	0.03061	2.88%
Boron,7440-42-8†	378382.9	5.3680	mg/L	0.10548	5.3680	mg/L	0.10548	1.96%
Cadmium,7440-43-9†	23299.8	1.0248	mg/L	0.02231	1.0248	mg/L	0.02231	2.18%
Calcium,7440-70-2†	1213221.0	20.303	mg/L	0.5944	20.303	mg/L	0.5944	2.93%
Chromium,7440-47-3†	141726.6	1.0313	mg/L	0.02742	1.0313	mg/L	0.02742	2.66%
Cobalt,7440-48-4†	7446.6	1.0366	mg/L	0.02183	1.0366	mg/L	0.02183	2.11%
Copper,7440-50-8†	239234.9	1.0371	mg/L	0.02755	1.0371	mg/L	0.02755	2.66%
Iron,7439-89-6†	74566.9	10.594	mg/L	0.2673	10.594	mg/L	0.2673	2.52%
Lead,7439-92-1†	3203.1	1.4050	mg/L	0.03838	1.4050	mg/L	0.03838	2.73%
Magnesium,7439-95-4†	128515.6	11.719	mg/L	0.3044	11.719	mg/L	0.3044	2.60%
Manganese,7439-96-5†	241497.3	1.0526	mg/L	0.02662	1.0526	mg/L	0.02662	2.53%
Molybdenum,7439-98-7†	5594.0	1.0504	mg/L	0.02360	1.0504	mg/L	0.02360	2.25%

Nickel,7440-02-0†	20025.5	1.0373 mg/L	0.02471	1.0373 mg/L	0.02471	2.38%
Selenium,7782-49-2†	480.6	1.0582 mg/L	0.01935	1.0582 mg/L	0.01935	1.83%
Silver,7440-22-4†	235060.5	1.0307 mg/L	0.02490	1.0307 mg/L	0.02490	2.42%
Strontium,7440-24-6†	180056.7	1.0645 mg/L	0.02916	1.0645 mg/L	0.02916	2.74%
Thallium,7440-28-0†	166.3	1.0434 mg/L	0.02478	1.0434 mg/L	0.02478	2.37%
Tin,7440-31-5†	906.4	1.0334 mg/L	0.03133	1.0334 mg/L	0.03133	3.03%
Titanium,7440-32-6†	569856.7	1.0805 mg/L	0.03391	1.0805 mg/L	0.03391	3.14%
Vanadium,7440-62-2†	211378.4	1.0380 mg/L	0.02678	1.0380 mg/L	0.02678	2.58%
Zinc,7440-66-6†	34359.7	1.0388 mg/L	0.02688	1.0388 mg/L	0.02688	2.59%
Zirconium,7440-67-7†	444649.0	1.1525 mg/L	0.03048	1.1525 mg/L	0.03048	2.65%

==========

Sequence No.: 33
Sample ID: 99842
Analyst:
Sample Wt:
Dilution: 5X

Autosampler Location: 35
Date Collected: 05/22/2003 12:00:26

Sample Prep Volume:
Data Type: Original

Mean Data: 99842

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2585083.1	97.759	%	0.5863				0.60%
Yttrium,7440-65-5R	4820805.1	97.500	%	0.5753				0.59%
Scandium	3104650.9	97.943	%	0.5491				0.56%
Ar 420.069	541632.1	99.394	%	0.4897				0.49%
Aluminum,7429-90-5†	625.3	0.1735	mg/L	0.00386	0.8673	mg/L	0.01930	2.23%
Antimony,7440-36-0†	9.1	0.0221	mg/L	0.00407	0.1107	mg/L	0.02034	18.38%
Arsenic,7440-38-2†	4.7	0.0153	mg/L	0.01001	0.0765	mg/L	0.05006	65.49%
Barium,7440-39-3†	44.9	0.0021	mg/L	0.00015	0.0104	mg/L	0.00073	6.99%
Beryllium,7440-41-7†	219.1	0.0001	mg/L	0.00007	0.0003	mg/L	0.00034	103.58%
Boron,7440-42-8†	3996.3	0.0569	mg/L	0.00408	0.2843	mg/L	0.02040	7.18%
Cadmium,7440-43-9†	-12.2	-0.0005	mg/L	0.00023	-0.0025	mg/L	0.00117	45.93%
Calcium,7440-70-2†	116176.1	1.9437	mg/L	0.01774	9.7187	mg/L	0.08872	0.91%
Chromium,7440-47-3†	-250.4	-0.0018	mg/L	0.00091	-0.0090	mg/L	0.00455	50.50%
Cobalt,7440-48-4†	0.5	0.0001	mg/L	0.00052	0.0003	mg/L	0.00261	868.81%
Copper,7440-50-8†	-27.8	-0.0001	mg/L	0.00024	-0.0007	mg/L	0.00120	171.54%
Iron,7439-89-6†	242.6	0.0344	mg/L	0.00177	0.1719	mg/L	0.00883	5.13%
Lead,7439-92-1†	170.3	0.0748	mg/L	0.00244	0.3741	mg/L	0.01221	3.26%
Magnesium,7439-95-4†	3021.0	0.2752	mg/L	0.00054	1.3761	mg/L	0.00271	0.20%
Manganese,7439-96-5†	726.2	0.0032	mg/L	0.00009	0.0158	mg/L	0.00044	2.79%
Molybdenum,7439-98-7†	29.4	0.0055	mg/L	0.00057	0.0277	mg/L	0.00286	10.31%
Nickel,7440-02-0†	9.9	0.0005	mg/L	0.00198	0.0025	mg/L	0.00988	391.62%
Selenium,7782-49-2†	-5.5	-0.0118	mg/L	0.00506	-0.0590	mg/L	0.02529	42.86%
Silver,7440-22-4†	-135.9	-0.0005	mg/L	0.00016	-0.0026	mg/L	0.00079	30.27%
Strontium,7440-24-6†	577.7	0.0034	mg/L	0.00033	0.0169	mg/L	0.00167	9.88%
Thallium,7440-28-0†	-0.6	-0.0040	mg/L	0.00495	-0.0201	mg/L	0.02474	123.11%
Tin,7440-31-5†	-3.8	-0.0040	mg/L	0.00512	-0.0200	mg/L	0.02562	127.97%
Titanium,7440-32-6†	2772.0	0.0053	mg/L	0.00137	0.0263	mg/L	0.00685	26.07%
Vanadium,7440-62-2†	208.0	0.0010	mg/L	0.00039	0.0051	mg/L	0.00194	38.26%
Zinc,7440-66-6†	-86.7	-0.0031	mg/L	0.00015	-0.0155	mg/L	0.00076	4.94%
Zirconium,7440-67-7†	370.9	0.0010	mg/L	0.00019	0.0048	mg/L	0.00096	20.08%

==========

Sequence No.: 34
Sample ID: --
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 36
Date Collected: 05/22/2003 12:05:22

Sample Prep Volume:
Data Type: Original

Mean Data: --

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2576417.5	97.431	%	0.9609				0.99%
Yttrium,7440-65-5R	4802708.9	97.134	%	0.9858				1.01%
Scandium	3068924.7	96.816	%	0.9980				1.03%
Ar 420.069	539690.0	99.038	%	0.6987				0.71%
Aluminum,7429-90-5†	-0.9	-0.0003	mg/L	0.00330	-0.0003	mg/L	0.00330	>999.9%
Antimony,7440-36-0†	5.3	0.0131	mg/L	0.00729	0.0131	mg/L	0.00729	55.88%
Arsenic,7440-38-2†	3.6	0.0119	mg/L	0.01020	0.0119	mg/L	0.01020	85.76%
Barium,7440-39-3†	0.4	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	525.86%
Beryllium,7440-41-7†	-174.2	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	36.33%

Boron,7440-42-8†	2144.1	0.0307	mg/L	0.00147	0.0307	mg/L	0.00147	4.80%
Cadmium,7440-43-9†	-9.5	-0.0004	mg/L	0.00013	-0.0004	mg/L	0.00013	31.92%
Calcium,7440-70-2†	-829.7	-0.0139	mg/L	0.00160	-0.0139	mg/L	0.00160	11.52%
Chromium,7440-47-3†	-408.1	-0.0030	mg/L	0.00023	-0.0030	mg/L	0.00023	7.73%
Cobalt,7440-48-4†	-2.6	-0.0004	mg/L	0.00055	-0.0004	mg/L	0.00055	153.49%
Copper,7440-50-8†	27.9	0.0001	mg/L	0.00041	0.0001	mg/L	0.00041	342.02%
Iron,7439-89-6†	-18.8	-0.0027	mg/L	0.00141	-0.0027	mg/L	0.00141	53.05%
Lead,7439-92-1†	-6.3	-0.0028	mg/L	0.00236	-0.0028	mg/L	0.00236	85.12%
Magnesium,7439-95-4†	13.8	0.0013	mg/L	0.00515	0.0013	mg/L	0.00515	411.55%
Manganese,7439-96-5†	-130.6	-0.0006	mg/L	0.00001	-0.0006	mg/L	0.00001	1.53%
Molybdenum,7439-98-7†	8.8	0.0017	mg/L	0.00063	0.0017	mg/L	0.00063	37.91%
Nickel,7440-02-0†	26.0	0.0013	mg/L	0.00087	0.0013	mg/L	0.00087	64.44%
Selenium,7782-49-2†	-1.7	-0.0036	mg/L	0.00090	-0.0036	mg/L	0.00090	25.15%
Silver,7440-22-4†	-88.5	-0.0004	mg/L	0.00029	-0.0004	mg/L	0.00029	74.13%
Strontium,7440-24-6†	36.1	0.0002	mg/L	0.00034	0.0002	mg/L	0.00034	158.10%
Thallium,7440-28-0†	0.0	0.0003	mg/L	0.00442	0.0003	mg/L	0.00442	>999.9%
Tin,7440-31-5†	-4.1	-0.0047	mg/L	0.00232	-0.0047	mg/L	0.00232	49.66%
Titanium,7440-32-6†	146.4	0.0003	mg/L	0.00030	0.0003	mg/L	0.00030	107.41%
Vanadium,7440-62-2†	94.1	0.0004	mg/L	0.00024	0.0004	mg/L	0.00024	52.95%
Zinc,7440-66-6†	-226.6	-0.0069	mg/L	0.00019	-0.0069	mg/L	0.00019	2.75%
Zirconium,7440-67-7†	106.9	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	29.48%

==========

Sequence No.: 35
Sample ID: 1800
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 05/22/2003 12:10:18

Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2553669.1	96.571	%	1.1636				1.20%
Yttrium,7440-65-5R	4758998.0	96.250	%	1.1680				1.21%
Scandium	3089119.5	97.453	%	1.2149				1.25%
Ar 420.069	537572.3	98.649	%	0.3415				0.35%
Aluminum,7429-90-5†	18893.9	5.2257	mg/L	0.11670	5.2257	mg/L	0.11670	2.23%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.51%								
Antimony,7440-36-0†	5.2	0.0027	mg/L	0.00624	0.0027	mg/L	0.00624	233.47%
Arsenic,7440-38-2†	163.0	0.5489	mg/L	0.01101	0.5489	mg/L	0.01101	2.01%
QC value within limits for Arsenic,7440-38-2 Recovery = 109.78%								
Barium,7440-39-3†	11353.2	0.5283	mg/L	0.01184	0.5283	mg/L	0.01184	2.24%
QC value within limits for Barium,7440-39-3 Recovery = 105.67%								
Beryllium,7440-41-7†	1766170.2	0.5210	mg/L	0.01461	0.5210	mg/L	0.01461	2.80%
QC value within limits for Beryllium,7440-41-7 Recovery = 104.19%								
Boron,7440-42-8†	3280.1	0.0267	mg/L	0.00045	0.0267	mg/L	0.00045	1.69%
Cadmium,7440-43-9†	12027.7	0.5289	mg/L	0.01359	0.5289	mg/L	0.01359	2.57%
QC value within limits for Cadmium,7440-43-9 Recovery = 105.79%								
Calcium,7440-70-2†	315020.8	5.2740	mg/L	0.12485	5.2740	mg/L	0.12485	2.37%
QC value within limits for Calcium,7440-70-2 Recovery = 105.48%								
Chromium,7440-47-3†	72286.7	0.5260	mg/L	0.01264	0.5260	mg/L	0.01264	2.40%
QC value within limits for Chromium,7440-47-3 Recovery = 105.20%								
Cobalt,7440-48-4†	3752.5	0.5235	mg/L	0.01083	0.5235	mg/L	0.01083	2.07%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.70%								
Copper,7440-50-8†	120128.6	0.5210	mg/L	0.01275	0.5210	mg/L	0.01275	2.45%
QC value within limits for Copper,7440-50-8 Recovery = 104.19%								
Iron,7439-89-6†	37341.7	5.3042	mg/L	0.13193	5.3042	mg/L	0.13193	2.49%
QC value within limits for Iron,7439-89-6 Recovery = 106.08%								
Lead,7439-92-1†	1212.9	0.5317	mg/L	0.00879	0.5317	mg/L	0.00879	1.65%
QC value within limits for Lead,7439-92-1 Recovery = 106.33%								
Magnesium,7439-95-4†	57886.1	5.2778	mg/L	0.12231	5.2778	mg/L	0.12231	2.32%
QC value within limits for Magnesium,7439-95-4 Recovery = 105.56%								
Manganese,7439-96-5†	121211.9	0.5283	mg/L	0.01258	0.5283	mg/L	0.01258	2.38%
QC value within limits for Manganese,7439-96-5 Recovery = 105.66%								
Molybdenum,7439-98-7†	-6.7	-0.0011	mg/L	0.00032	-0.0011	mg/L	0.00032	28.13%
Nickel,7440-02-0†	10296.6	0.5334	mg/L	0.01195	0.5334	mg/L	0.01195	2.24%
QC value within limits for Nickel,7440-02-0 Recovery = 106.68%								
Selenium,7782-49-2†	235.9	0.5188	mg/L	0.01760	0.5188	mg/L	0.01760	3.39%
QC value within limits for Selenium,7782-49-2 Recovery = 103.76%								
Silver,7440-22-4†	119007.8	0.5216	mg/L	0.01214	0.5216	mg/L	0.01214	2.33%
QC value within limits for Silver,7440-22-4 Recovery = 104.33%								
Strontium,7440-24-6†	87060.2	0.5147	mg/L	0.01502	0.5147	mg/L	0.01502	2.92%

QC value within limits for Strontium,7440-24-6 Recovery = 102.95%

Thallium,7440-28-0†	84.9	0.5325 mg/L	0.01020	0.5325 mg/L	0.01020	1.92%

QC value within limits for Thallium,7440-28-0 Recovery = 106.49%

Tin,7440-31-5†	-7.9	-0.0061 mg/L	0.00347	-0.0061 mg/L	0.00347	56.52%
Titanium,7440-32-6†	439.4	0.0008 mg/L	0.00024	0.0008 mg/L	0.00024	30.28%
Vanadium,7440-62-2†	106979.1	0.5257 mg/L	0.01209	0.5257 mg/L	0.01209	2.30%

QC value within limits for Vanadium,7440-62-2 Recovery = 105.13%

Zinc,7440-66-6†	17351.4	0.5256 mg/L	0.01295	0.5256 mg/L	0.01295	2.46%

QC value within limits for Zinc,7440-66-6 Recovery = 105.12%

Zirconium,7440-67-7†	196766.1	0.5101 mg/L	0.02672	0.5101 mg/L	0.02672	5.24%

QC value within limits for Zirconium,7440-67-7 Recovery = 102.02%

All analytes passed QC.

Sequence No.: 36
Sample ID: 1802
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 05/22/2003 12:15:23
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2552570.9	96.529	%	0.8972				0.93%
Yttrium,7440-65-5R	4758503.6	96.240	%	0.8747				0.91%
Scandium	3057546.0	96.457	%	0.8131				0.84%
Ar 420.069	536285.9	98.413	%	0.3107				0.32%
Aluminum,7429-90-5†	-622.3	-0.1726	mg/L	0.00386	-0.1726	mg/L	0.00386	2.24%
Antimony,7440-36-0†	218.4	0.5300	mg/L	0.00382	0.5300	mg/L	0.00382	0.72%
QC value within limits for Antimony,7440-36-0 Recovery = 106.00%								
Arsenic,7440-38-2†	3.6	0.0117	mg/L	0.00907	0.0117	mg/L	0.00907	77.47%
Barium,7440-39-3†	2.4	0.0001	mg/L	0.00027	0.0001	mg/L	0.00027	316.67%
Beryllium,7440-41-7†	279.2	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	77.99%
Boron,7440-42-8†	181333.9	2.5923	mg/L	0.03196	2.5923	mg/L	0.03196	1.23%
QC value within limits for Boron,7440-42-8 Recovery = 103.69%								
Cadmium,7440-43-9†	-9.7	-0.0004	mg/L	0.00043	-0.0004	mg/L	0.00043	106.82%
Calcium,7440-70-2†	-365.5	-0.0073	mg/L	0.00087	-0.0073	mg/L	0.00087	11.84%
Chromium,7440-47-3†	-413.3	-0.0030	mg/L	0.00023	-0.0030	mg/L	0.00023	7.43%
Cobalt,7440-48-4†	4.6	-0.0004	mg/L	0.00048	-0.0004	mg/L	0.00048	106.64%
Copper,7440-50-8†	150.8	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	32.03%
Iron,7439-89-6†	-13.6	-0.0009	mg/L	0.00122	-0.0009	mg/L	0.00122	136.74%
Lead,7439-92-1†	-16.3	-0.0071	mg/L	0.00115	-0.0071	mg/L	0.00115	16.26%
Magnesium,7439-95-4†	-1.4	0.0012	mg/L	0.00054	0.0012	mg/L	0.00054	46.48%
Manganese,7439-96-5†	-67.2	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	8.92%
Molybdenum,7439-98-7†	2771.4	0.5202	mg/L	0.00211	0.5202	mg/L	0.00211	0.41%
QC value within limits for Molybdenum,7439-98-7 Recovery = 104.04%								
Nickel,7440-02-0†	39.2	0.0020	mg/L	0.00048	0.0020	mg/L	0.00048	23.98%
Selenium,7782-49-2†	-3.2	-0.0067	mg/L	0.00618	-0.0067	mg/L	0.00618	92.19%
Silver,7440-22-4†	910.1	0.0040	mg/L	0.00029	0.0040	mg/L	0.00029	7.30%
Strontium,7440-24-6†	57.3	0.0004	mg/L	0.00047	0.0004	mg/L	0.00047	127.64%
Thallium,7440-28-0†	-0.7	-0.0046	mg/L	0.00654	-0.0046	mg/L	0.00654	141.99%
Tin,7440-31-5†	457.3	0.5178	mg/L	0.00395	0.5178	mg/L	0.00395	0.76%
QC value within limits for Tin,7440-31-5 Recovery = 103.55%								
Titanium,7440-32-6†	270990.6	0.5139	mg/L	0.00635	0.5139	mg/L	0.00635	1.24%
QC value within limits for Titanium,7440-32-6 Recovery = 102.77%								
Vanadium,7440-62-2†	311.8	0.0012	mg/L	0.00053	0.0012	mg/L	0.00053	43.87%
Zinc,7440-66-6†	-89.7	-0.0027	mg/L	0.00005	-0.0027	mg/L	0.00005	1.85%
Zirconium,7440-67-7†	226285.6	0.5868	mg/L	0.00866	0.5868	mg/L	0.00866	1.48%

All analytes passed QC.

Sequence No.: 37
Sample ID: 1900
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 05/22/2003 12:20:25
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2581442.8	97.621	%	1.1376				1.17%

Yttrium,7440-65-5R	4806635.0	97.213 %	1.1515				1.18%
Scandium	3074657.8	96.997 %	1.1110				1.15%
Ar 420.069	539344.0	98.974 %	0.8970				0.91%
Aluminum,7429-90-5†	2.1	0.0006 mg/L	0.00105	0.0006 mg/L		0.00105	177.96%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	3.4	0.0082 mg/L	0.00353	0.0082 mg/L		0.00353	42.77%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	4.9	0.0162 mg/L	0.01379	0.0162 mg/L		0.01379	85.40%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	2.8	0.0001 mg/L	0.00025	0.0001 mg/L		0.00025	195.05%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-36.6	0.0000 mg/L	0.00001	0.0000 mg/L		0.00001	50.89%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	2140.2	0.0306 mg/L	0.00295	0.0306 mg/L		0.00295	9.63%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	-6.6	-0.0003 mg/L	0.00021	-0.0003 mg/L		0.00021	74.01%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	-357.8	-0.0060 mg/L	0.00040	-0.0060 mg/L		0.00040	6.60%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-395.5	-0.0029 mg/L	0.00005	-0.0029 mg/L		0.00005	1.76%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	-1.0	-0.0001 mg/L	0.00065	-0.0001 mg/L		0.00065	458.55%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-77.7	-0.0003 mg/L	0.00037	-0.0003 mg/L		0.00037	109.41%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	-18.1	-0.0026 mg/L	0.00123	-0.0026 mg/L		0.00123	47.86%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	-4.3	-0.0019 mg/L	0.00177	-0.0019 mg/L		0.00177	93.37%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Magnesium,7439-95-4†	34.8	0.0032 mg/L	0.00299	0.0032 mg/L		0.00299	94.37%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	-103.1	-0.0004 mg/L	0.00002	-0.0004 mg/L		0.00002	3.82%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	14.2	0.0027 mg/L	0.00042	0.0027 mg/L		0.00042	15.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	10.3	0.0005 mg/L	0.00038	0.0005 mg/L		0.00038	71.63%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Selenium,7782-49-2†	-4.2	-0.0092 mg/L	0.00698	-0.0092 mg/L		0.00698	76.12%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silver,7440-22-4†	-92.3	-0.0004 mg/L	0.00031	-0.0004 mg/L		0.00031	75.51%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Strontium,7440-24-6†	52.2	0.0003 mg/L	0.00040	0.0003 mg/L		0.00040	128.10%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	1.7	0.0109 mg/L	0.00383	0.0109 mg/L		0.00383	35.01%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	2.0	0.0023 mg/L	0.00372	0.0023 mg/L		0.00372	161.26%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	-95.2	-0.0002 mg/L	0.00010	-0.0002 mg/L		0.00010	57.26%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	124.8	0.0006 mg/L	0.00031	0.0006 mg/L		0.00031	51.62%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	-98.9	-0.0030 mg/L	0.00031	-0.0030 mg/L		0.00031	10.18%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	165.7	0.0004 mg/L	0.00018	0.0004 mg/L		0.00018	43.01%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analytes passed QC.

Sequence No.: 38
Sample ID: 99449
Analyst:
Sample Wt:
Dilution: 1X

Autosampler Location: 37
Date Collected: 05/22/2003 12:25:21
Sample Prep Volume:
Data Type: Original

Mean Data: 99449

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium,7440-65-5A	2575757.6	97.406	%	1.5892				1.63%
Yttrium,7440-65-5R	4793161.8	96.941	%	1.5725				1.62%
Scandium	3064653.7	96.682	%	1.6206				1.68%
Ar 420.069	533606.6	97.922	%	0.8274				0.84%
Aluminum,7429-90-5†	17.9	0.0050	mg/L	0.00169	0.0050	mg/L	0.00169	34.05%

METALS PREPARATION LOG

ACID DIGESTION OF AQUEOUS SAMPLES

PREP METHOD: ICP 200.7 / 3010A
GFAA 2xx.x / 3020A , 7060A, 7740
HG 245.1 / 7470A

MOD BLOCK ID: B

DATE: 5/21/03
TIME: 12:50
ANALYST: JEC

257515

CLIENT	GCAL ID	ICP INITIAL VOLUME (ml)	ICP FINAL VOLUME (ml)	GFAA INITIAL VOLUME (ml)	GFAA FINAL VOLUME (ml)	HG INITIAL VOLUME (ml)	HG FINAL VOLUME (ml)
2030521	MB W6	50	50	50	50	20	20
2030521	LCS W6	50	50	50	50	20	20
CH2M Hill	20305200501	↓	↓				
	20305200503 D	↓	↓				
	20305200502 MS	↓	↓				
	20305200504 MSD	↓	↓				

	ID/LOT NO.	VOLUME ADDED (uL)
ICP Spike	334-13-19	500
GFAA Spike	—	500
HG Spike	—	100
HG ICV	—	
H2SO4	—	
KMNO4	—	
K2S2O6	—	
HCl	334-15-19	
HNO3	334-15-19	
H2O2		

MERCURY CALIBRATION ID: _____
0.1 ppm CCV working solution: _____
0.1 ppm ICV working solution: _____

Calib. Blk	Conc. (ug/L)	Spk. Added	Final volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 uL	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ICSA	106-11-1	Int. A	Spex	23-152AS 10-15-03	8 ml	200ml	varied	102-17-2	SAB	5-7-03	6-7-03
ICU 2	106-11-2	1000 ppm Al	Exaxol	021217 6-04	2ml	200 ml	varied	102-17-2	JAC	5-8-03	6-8-03
		K	Spex	9-03K 7-15-03							
		NA	Exaxol	030212 8-04							
		B	Spex	9-138 B 9-15-03	1 ml						
		B		9-63BA 10-15-03	200ul						
		Zr		9-169Zr 3-30-04							
		Sn	Exaxol	030212 8-04							
STD 1	106-11-3	GCALI-1	inorganic ventures	SMeB126044 8-1-03	2ml	200ml	varied	102-17-2	JAC	5-10-03	6-10-03
		1000 ppm Zr	Exaxol	030303 9-04	200ul						
STD 2	106-11-4	GCALI-2	inorganic ventures	SMeB126045 8-1-03	2ml	200ml	varied	102-17-2	JAC	5-10-03	6-10-03
Hg CCV	106-11-5	1000ppm Hg	Exaxol	030106 07/04	100 uL	100 ml	1 ppm		SAB2	5-12-03	6-12-03
Hg ICV	106-11-6	1000ppm Hg	CPI	1JH110 12/10/03	100 uL	100 ml	1 ppm				
1.00 ppm AS, Se	106-11-7	1000 ppm AS	Spex	9-162AS 10-15-03	100 ul	100 ml	1 ppm	102-17-2	JAC	5-15-03	6-15-03
		1000 ppm Se		9-235e 10-15-03							
ICU 1	106-11-8	21 element mix	CPI	OK5054 3-30-04	2ml	200ml	1.00 ppm	102-17-2	JAC	5-15-03	6-15-03
		1000 ppm Ag	Exaxol	021217 6-04	200 ul						
				VOID	JAC	5-16-03					

000054

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
3020 Spike	106-12-1	1000 ppm As	Spex	8-162AS 10-15-03	400 ul	100 ml	4 ppm	2% HNO_3	JAC	5-16-03	6-16-03
↓	↓	↓ Se	Spex	9-235e 10-15-03	400 ul	↓	4 ppm	↓	↓	↓	↓
↓	↓	↓ Tl	Exaxol	030411 10-04	500 ul	↓	5 ppm	↓	↓	↓	↓
STD 2	106-12-2	GCALI-2	inorganic ventures	SMe6126045 8-03	2ml	200ml	varied	102-17-2	JAC	5-16-03	6-16-03
STD 1	106-12-3	GCALI-1	inorganic ventures	SMe6126044 8-03	2ml	200ml	varied	102-17-2	JAC	5-19-03	6-19-03
↓	↓	1000 ppm Zr	Exaxol	030303 9-04	200ul	↓	↓	↓	↓	↓	↓
ICSAB	106-12-4	Int A	Spex	23-152AS 10-15-03	8 ml	200 ml	varied	102-17-2	JAC	5-19-03	6-19-03
↓	↓	Analytes B	↓	22-67AS 11-30-03	2ml	↓	↓	↓	↓	↓	↓
↓	↓	Alt. Analytes B	↓	22-135AS 3-15-04	2ml	↓	↓	↓	↓	↓	↓
5/22/03	Dates 4/24/03 - 5/19/03 Reviewed by QA/QC [illegible]										
STD 2	106-12-5	GCALI-2	inorganic ventures	SMe6126045 8-1-03	2ml	200ml	varied	102-17-2	JAC	5-25-03	6-25-03

000055

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
kmno4	334-13-1	Potassium Permanganate	Fisher	027060	100g	2000 ml			AEL	2-20-03	2-20-04
Hno3	334-13-2	conc. Hno3	Fisher	1102080					AEL	2-20-03	2-20-04
Hg cali CCV	334-13-3	1ppm Hg	in House	100-93-4	1ml	10 ml	0.1ppm		AEL	2-21-03	3-21-03
Hg cali ICV	334-13-4	↓	↓	100-93-5	↓	↓	↓		↓	↓	↓
Hg cali CCV 0.2	334-13-5	1ppm Hg	in House	100-934	20 ul	100 ml			AEL	2-24-03	3-24-03
0.5	334-13-6				50 ul						
1.0	334-13-7				100 ul						
5.0	334-13-8				500 ul						
10.0	334-13-9			↓	1000 ul						
Hg cali ICV 5.0	334-13-10	↓	↓	106-93-5	500 ul	↓			↓	↓	↓
kmno4	334-13-11	Potassium Permanganate	Fisher	027060	100g	2000 ml			AEL	2-24-03	2-24-04
k2S2O6	334-13-12	Potassium Persulfate	Fisher	026215	100g	2000 ml			AEL	2-24-03	2-24-04
HCL	334-13-13	conc. HCL	Fisher	4102050					AEL	2-28-03	2-28-04
Hno3	334-13-14	conc. Hno3	Fisher	1102100					AEL	2-28-03	2-28-04
Hg Cali CCV	334-13-15	1 ppm Hg	In House	100-93-4	1 ml	10 ml	0.1 ppm	DI H2O	~~SAB~~ SAB 3-3-03	3-3-03	3-10-~~03~~ 03
Hg Cali ICV	334-13-16	↓	↓	100-93-5	↓	↓	↓	↓	↓	↓	↓
Tspike Goal-1	334-13-17	7010 spike	Inorganic Ventures	S-MEB126044					AEL	3-6-03	8-1-03
Tspike Goal-2	334-13-~~18~~ 17 AEL 3-6-03	↓	↓	S-MEB126045					↓	↓	↓
H2SO4	334-13-18	conc. H2SO4	Fisher	3102070					AEL	3-10-03	3-10-04
Conc. Hno3	334-13-19	conc. Hno3	Fisher	1102100					AEL	3-13-03	3-13-04
Hg cal ccv	334-13-20	1ppm Hg	in House	106-1-1	1ml	10 ml	0.1ppm		AEL	3-14-03	4-14-03
Hg cali ICV	334-13-21	↓	↓	106-1-2	↓	↓	↓		↓	↓	↓

REAG LOG 1-6-95

000056

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
HCL	334-15-1	CONC. HCL	Fisher	4102080					JEL	4-29-03	4-29-04
H_2SO_4	334-15-2	CONC. H_2SO_4	Fisher	3102030					JEL	4-29-03	4-29-04
HNO_3	334-15-3	CONC. HNO_3	Fisher	1103010					JEL	5-5-03	5-5-04
Hg Cali. CCV 0.2	334-15-4	1 ppm Hg	IN-House	106-7-5	1 ml	10 ml	0.1 ppm		JEL	5-6-03	5-6-04
0.5	334-15-5										
2.0	334-15-6										
5.0	334-15-7										
10.0	334-15-8										
Hg Cali. CCV 5.0	334-15-9			106-7-4							
HNO_3	334-15-10	CONC. HNO_3	Fisher	1102120					JEL	5-7-03	5-7-04
HNO_3	334-15-11	CONC. HNO_3	Fisher	1103010					JEL	5-9-03	5-9-04
$KMnO_4$	334-15-12	Potassium Permanganate	Fisher	027074 ~~100g~~ JEL 5-9-03	100g ~~2000 ml~~	2000 ml			JEL	5-9-03	5-9-04
$K_2S_2O_8$	334-15-13	Potassium Persulfate	Fisher	026215	100g	2000 ml			JEL	5-9-03	5-9-04
HNO_3	334-15-14	CONC. HNO_3	Fisher	1102120					JEL	5-13-03	5-13-04
HNO_3	334-15-15	CONC. HNO_3	Fisher	1103010					JEL	5-14-03	5-14-04
Hno3	334-15-16 JEL 5/14/03	Conc. Hno3	Fisher	1103010					AEL	5-16-03	5-16-04
HCL	334-15-17	CONC. HCL	Fisher	4102080					JEL	5-16-03	5-16-04
HNO_3	JEL 5/20/03 334-15-18	CONC. HNO_3	Fisher	1103010					JEL	5-20-03	5-20-04
HNO_3	334-15-19	CONC. HNO_3	Fisher	1103010					JEL	5/21/03	5/21/04

REAG LOG 1-6-95

000057

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER
148799-56

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Former NAS Cecil Field	148799	Gulf Coast Labs. Dano Merril	Jeff Marks, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Skeet Range Surface Water	CTO 005	4139	Christelle Newsome CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Jeff Marks, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Ph:(225) 769-4900	Bonnie Hogue,CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.562 FAX:604-9282

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	6010B Lead Only										SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	005-49-SW-0519-03	Site 49 Surface Water	W	05/19/03	9:15	III/C	14	2										Grab	MS/MSD	MS DUP MSD
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Randy Dumaop / Sean Smith J.A. Jones Environmental Services	FedEx Tracking # 7915 9507 0611.	2°C Good

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Randy Dumaop, J.A. Jones Environmental Services	5/19/2003	11:00	Printed Name and Signature: FedEx Tracking # 7915 9507 0611.	5/19/2003	11:00
Printed Name and Signature: Fed-Ex 7915 9507 0611	5-20-03	0900	Printed Name and Signature: Daria Haydel	5-20-03	0900

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

Form CCI001, Rev 02/00

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	203052005	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	NAS Cecil Field	**Status:**	WP
Project Seq:	12680	**Created:**	5/20/03 9:36
Client:	4380 - CH2M HILL Constructors Inc.	**QA:**	
Profile:	29790 - CTO 0005 - NAS Cecil Field	**PO:**	4139

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20305200501-1	OC	HNO3	✓					X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20305200502-1	OC	HNO3	✓					X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20305200503-1	OC	HNO3	✓					X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

CUSTODIAN

VALIDATA

Chemical Services, Inc.

4070 Balleycastle Lane, Duluth, GA 30097

(770) 232-0130
(770) 232-5082 (Fax)
www.datavalidator.com

7/1/03

CH2M HILL Constructors, Inc.
115 Perimeter Center Place, NE, Suite 700
Atlanta, GA 30346
Attn: Christelle Newsome

Dear Ms. Newsome:

Please find enclosed data validation report, qualified Form I's, and validation checklist for Cecil Field, CTO-5, Site 49 Skeet Range SDG 203052005. The electronic data file is being sent to you by e-mail.

Please call Kevin Harmon or myself at (770) 232-0130 if you have any questions. We are pleased to be of service to CH2M HILL.

Sincerely,

Jean M. Delashmit
Quality Control Manager

Approved for Quality Assurance Release by:
Rev. 0 Date 7-17-03
C Christelle Newsome

RECEIVED
JUL - 2 2003
CH2M HILL CONSTRUCTORS, INC.

VALIDATA

Chemical Services, Inc.

4070 Balleycastle Lane, Duluth, GA 30097

DATA VALIDATION SUMMARY
REPORT

COMPANY:	CH2M HILL
SITE NAME:	Cecil Field, Site 49 Skeet Range
CONTRACTED LAB:	Gulf Coast Analytical Laboratories, Inc.
PROJECT NUMBER:	148799
QA/QC LEVEL:	EPA Level IV
EPA SOW/METHOD:	EPA 1990 SOW
VALIDATION GUIDELINES:	*USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review,* 1994; *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review,* 1994; Region II Modifications
SAMPLE MATRIX:	Water
TYPE OF ANALYSIS:	Total Lead

SDG NUMBER: 203052005

OVERVIEW

SAMPLES:

Client Sample #	Lab Sample #	Matrix	Total Lead
005-49-SW-0519-03	20305200501	Water	X
005-49-SW-0519-03MS	20305200502	Water	X
005-49-SW-0519-03DUP	20305200503	Water	X
005-49-SW-0519-03MSD	20305200504	Water	X

Suffix Codes: DUP = MATRIX DUPLICATE, MS = MATRIX SPIKE, MSD = MATRIX SPIKE DUPLICATE

DATA REVIEWERS: Amy L. Hogan, Jean M. Delashmit

RELEASE SIGNATURE:

DATA QUALIFICATION SUMMARY

Gulf Analytical Laboratories, Inc. - 203052005 - Inorganics

SAMPLES: 005-49-SW-0519-03, 005-49-SW-0519-03MS, 005-49-SW-0519-03DUP, 005-49-SW-0519-03MSD

INORGANIC ANALYSES

TOTAL LEAD

SUMMARY

I.) General:

The analyses for Total Lead were performed using SW-846 Methods 6010B.

II.) Overall Assessment of Data:

All laboratory data were acceptable without qualification.

MAJOR ISSUES

There were no major problems for this fraction of the SDG.

MINOR ISSUES

I.) Holding Times:

All Holding Time criteria were met. No action was required.

II.) Calibration:

All Initial and Continuing Calibration criteria were met. No action was required.

III.) CRDL Standards for ICP:

CRDL criteria were not required. No action was taken.

IV.) Blanks:

The following continuing calibration blank (CCB) result represents the highest detection associated with the samples:

Blank ID#	Analyte	Max. Conc.	Action Level
CCB	lead	0.0028 mg/L	0.014 mg/L

All associated sample results were greater than 5X the blank amount, so no action was required.

V.) ICP Interference Check Sample Results:

All Interference Percent Recovery criteria were met. No action was required.

VI.) ICP Serial Dilution Analysis:

All Serial Dilution Analysis criteria were met. No action was required.

VII.) Laboratory Control Samples (LCS):

All LCS criteria were met. No action was required.

VIII.) Duplicate Sample Analysis:

All MD criteria were met. No action was required.

IX.) Matrix Spike / Matrix Spike Duplicate (MS / MSD):

All MS / MSD criteria were met. No action was required.

X.) Field Duplicates:

There were no field duplicate samples identified for this fraction of the SDG. No action was required.

XI.) Sample Result, Calculation/Transcription Verification:

All criteria were met. No action was taken.

XII.) Quarterly Verification of Instrumental Parameters:

All criteria were met. No action was taken.

TECHNICAL VALIDITY AND USABILITY OF THE DATA

All data were acceptable without qualification. Overall usability, based on the number of QC flags applied, is considered very high.

Table 1

SUMMARY OF QUALIFIED DATA

Total Lead

Target Analyte(s)	Sample(s) Affected	Qualifier	Qualification Code or Reason
No qualifiers applied.			

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: (soil / water) Water

Level: (low / med) % Solids:

Date Received: 05/20/03 Time: 0900

Sample ID: 005-49-SW-0519-03

Contract:

SAS No.: SDG No.: 203052005

Lab Sample ID: 20305200501

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.38	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: (soil / water) Water

Level: (low / med) % Solids:

Date Received: 05/20/03 Time: 0900

Sample ID: 005-49-SW-0519-03MS

Contract:

SAS No.: SDG No.: 203052005

Lab Sample ID: 20305200502

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.44	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200503

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.39	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 005-49-SW-0519-03MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203052005

Level: (low / med) % Solids:

Lab Sample ID: 20305200504

Date Received: 05/20/03 Time: 0900

Date Collected: 05/19/03 Time: 0915

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.45	mg/L		0.0016	0.015	SW-846 60108	P

FORM I - IN

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 09/04/2003

GCAL Report 203082903

Deliver To	CH2M HILL Constructors Inc. 115 Perimeter Center Place Suite 700 Atlanta, GA 30346 770-604-9182 Ext. 614
Attn	Melissa Aycock

Customer CH2M HILL Constructors Inc.

Project NAS Cecil Field

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL Constructors Inc. **Report:** 203082903

Gulf Coast Analytical Laboratories received and analyzed the samples(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below:

No anomolies were found for the analyzed sample(s).

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reporduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Scott A. Bailey /IAE

SCOTT A. BAILEY
OPERATIONS MANAGER
GCAL REPORT 203082903

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20308290301	05-49SW082803	Water	08/28/2003 15:45	08/29/2003 09:45
20308290302	05-49SW082803MS	Water	08/28/2003 15:45	08/29/2003 09:45
20308290303	05-49SW082803MSD	Water	08/28/2003 15:45	08/29/2003 09:45
20308290304	05-49SW082803DUP	Water	08/28/2003 15:45	08/29/2003 09:45
20308290305	05-49EQB082803	Water	08/28/2003 15:35	08/29/2003 09:45
20308290306	05-49SW082803 (DISS)	Water	08/28/2003 15:45	08/29/2003 09:45
20308290307	05-49SW082803MS (DISS)	Water	08/28/2003 15:45	08/29/2003 09:45
20308290308	05-49SW082803MSD (DISS)	Water	08/28/2003 15:45	08/29/2003 09:45
20308290309	05-49SW082803DUP (DISS)	Water	08/28/2003 15:45	08/29/2003 09:45
20308290310	05-49EQB082803 (DISS)	Water	08/28/2003 15:35	08/29/2003 09:45

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903

SOW No.:

EPA Sample No.	*Lab Sample ID.*
05-49SW082803	20308290301
05-49SW082803MS	20308290302
05-49SW082803MSD	20308290303
05-49SW082803DUP	20308290304
05-49EQB082803	20308290305
05-49SW082803 (DISS)	20308290306
05-49SW082803MS (DISS)	20308290307
05-49SW082803MSD (DISS)	20308290308
05-49SW082803DUP (DISS)	20308290309
05-49EQB082803 (DISS)	20308290310

Were ICP Interelement corrections applied ?	Yes / No	YES
Were ICP background corrections applied ?	Yes / No	YES
If yes-were raw data generated before application of background corrections ?	Yes / No	NO

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 05-49SW082803
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203082903
Level: (low / med)
% Solids:
Lab Sample ID: 20308290301
Date Received: 08/29/03
Time: 0945
Date Collected: 08/28/03
Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.93	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290302

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	2.93	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 05-49SW082803MSD
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 203082903
Level: (low / med)
% Solids:
Lab Sample ID: 20308290303
Date Received: 08/29/03
Time: 0945
Date Collected: 08/28/03
Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	3.08	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290304

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	2.00	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 05-49EQB082803
Lab Code: LA024 Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.: SDG No.: 203082903
Level: (low / med) % Solids:
Lab Sample ID: 20308290305
Date Received: 08/29/03 Time: 0945
Date Collected: 08/28/03 Time: 1535

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.015	mg/L	U	0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803 (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290306

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.45	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803MS (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290307

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	2.46	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803MSD (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290308

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	2.60	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803DUP (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290309

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.57	mg/L		0.0016	0.015	SW-846 6010B	P

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49EQB082803 (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290310

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1535

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.015	mg/L	U	0.0016	0.015	SW-846 6010B	P

FORM I - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203082903
Calibration Source: 106-26-3 CPI/EXAXOL
Instrument ID: ICP5 ICAL ID: 1
Date Analyzed: 08/31/03 Time: 1428

INITIAL CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	1.00	1.04	104	mg/L	SW-846 6010B	P
Arsenic	1.00	1.08	108	mg/L	SW-846 6010B	P
Beryllium	1.00	1.02	102	mg/L	SW-846 6010B	P
Cadmium	1.00	1.05	105	mg/L	SW-846 6010B	P
Calcium	1.00	0.980	98	mg/L	SW-846 6010B	P
Chromium	1.00	1.03	103	mg/L	SW-846 6010B	P
Cobalt	1.00	1.05	105	mg/L	SW-846 6010B	P
Copper	1.00	0.970	97	mg/L	SW-846 6010B	P
Iron	1.00	1.06	106	mg/L	SW-846 6010B	P
Lead	1.00	1.09	109	mg/L	SW-846 6010B	P
Lithium	1.00	0.990	99	mg/L	SW-846 6010B	P
Magnesium	1.00	1.10	110	mg/L	SW-846 6010B	P
Manganese	1.00	1.04	104	mg/L	SW-846 6010B	P
Molybdenum	1.00	1.07	107	mg/L	SW-846 6010B	P
Nickel	1.00	1.05	105	mg/L	SW-846 6010B	P
Selenium	1.00	1.06	106	mg/L	SW-846 6010B	P
Silver	1.00	1.03	103	mg/L	SW-846 6010B	P
Strontium	1.00	0.990	99	mg/L	SW-846 6010B	P
Thallium	1.00	1.03	103	mg/L	SW-846 6010B	P
Titanium	1.00	1.03	103	mg/L	SW-846 6010B	P
Vanadium	1.00	0.990	99	mg/L	SW-846 6010B	P
Zinc	1.00	1.03	103	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203082903
Calibration Source: 106-28-7 INORGANIC VENTURES
Instrument ID: ICP5 ICAL ID: 1
Date Analyzed: 08/31/03 Time: 2006

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Lead	0.500	0.540	107	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 203082903
Calibration Source: 106-28-7 INORGANIC VENTURES
Instrument ID: ICP5 ICAL ID: 1
Date Analyzed: 08/31/03 Time: 2141

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Lead	0.500	0.540	108	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Calibration Source: 106-28-7 INORGANIC VENTURES

Instrument ID: ICP5 ICAL ID: 1

Date Analyzed: 08/31/03 Time: 2307

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Lead	0.500	0.540	109	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: ICB

ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 261934 [ICP/2013]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 1443

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 261934 [ICP/2013]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 2021

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

FORM III - IN

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: 117103

ICAL ID: 1

Lab Sample DESC: MB117103

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 2028

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: 117105

ICAL ID: 1

Lab Sample DESC: MB117105

Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 2126

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

FORM III - IN

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 261934 [ICP/2013]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 2155

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

FORM III - IN

BLANKS

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Lab Sample ID: CCB

ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 261934 [ICP/2013]

Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5

Date Analyzed: 08/31/03 Time: 2322

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Lead	0.015	U	mg/L	0.0016	0.015	SW-846 6010B	P

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903

ICP ID Number: ICP5 ICS Source: 106-29-2 SPEX~

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	205	210	105			
Antimony	0	1.00		1.01	101			
Arsenic	0	1.00		1.09	109			
Barium	0	0.50		0.51	102			
Beryllium	0	0.50		0.53	106			
Boron	0	1.00		1.00	100			
Cadmium	0	1.00		1.00	100			
Calcium	200	200	201	204	102			
Chromium	0	0.50		0.49	98			
Cobalt	0	0.50		0.49	98			
Copper	0	0.50		0.49	98			
Iron	80.0	80.0	79.5	82.1	103			
Lead	0	1.00		1.03	103			
Magnesium	200	200	219	222	111			
Manganese	0	0.50		0.50	100			
Molybdenum	0	1.00		1.05	105			
Nickel	0	1.00		0.94	94			
Selenium	0	1.00		1.11	111			
Silver	0	1.00		1.05	105			
Thallium	0	1.00		1.03	103			
Vanadium	0	0.50		0.49	98			
Zinc	0	1.00		1.01	101			

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803MS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 20308290302

Orig Lab Sample ID: 20308290301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	2.93		1.93		1.00	99		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803MSD

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 20308290303

Orig Lab Sample ID: 20308290301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	3.08		1.93		1.00	115		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803MS (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 20308290307

Orig Lab Sample ID: 20308290306

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	2.46		1.45		1.00	100		mg/L	SW-846 6010B	P

FORM V (PART 1) - IN

SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803MSD (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 20308290308

Orig Lab Sample ID: 20308290306

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	2.60		1.45		1.00	114		mg/L	SW-846 6010B	P

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803PDS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 117138

Orig Lab Sample ID: 20308290301

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	3.06		1.93		1.00	112		mg/L	SW-846 6010B	P

FORM V (PART 2) - IN

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL

Sample ID: 05-49SW082803 (D...PDS

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Lab Sample ID: 117140

Orig Lab Sample ID: 20308290306

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Lead	75	125	2.48		1.45		1.00	103		mg/L	SW-846 6010B	P

DUPLICATES

Lab Name: GCAL

Sample ID: 05-49SW082803DUP

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 20308290304

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Lead	0	20	1.93		2.00		4		mg/L	SW-846 6010B	P

FORM VI - IN

DUPLICATES

Lab Name: GCAL

Sample ID: 05-49SW082803DUP (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

% Solids for Sample:

Level: (low / med)

% Solids for Duplicate:

Lab Sample ID: 20308290309

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Units	Method	Type
Lead	0	20	1.45		1.57		8		mg/L	SW-846 6010B	P

FORM VI - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS117104

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Lab Sample ID: 117104

LCS Source: 337-17-14 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Lead	1.00	1.09	109	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL

Sample ID: LCS117106

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Lab Sample ID: 117106

LCS Source: 337-17-14 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Lead	1.00	1.06	106	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

ICP SERIAL DILUTIONS

Lab Name: GCAL

Sample ID: 05-49SW082803SD

Lab Code: LA024 Case No.

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med)

Org Lab Sample ID: 20308290301

Lab Sample ID: 117137

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Lead	0	10	1.93		2.04		6		mg/L	SW-846 6010B	P

FORM IX - IN

ICP SERIAL DILUTIONS

Lab Name: GCAL

Lab Code: LA024 Case No.

Matrix: (soil / water) Water

Level: (low / med)

Lab Sample ID: 117139

Sample ID: 05-49SW082803 (DISS)SD

Contract:

SAS No.: SDG No.: 203082903

Org Lab Sample ID: 20308290306

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Lead	0	10	1.45		1.41		3		mg/L	SW-846 6010B	P

FORM IX - IN

ICP LINEAR RANGES

Lab Name: GCAL

Lab Code: LA024 Case No.: _____ SAS No.: _____ SDG No.: 203082903

ICP ID Number: 4300DV Date: 01/14/03

Analyte	Integ. Time (sec)	Concentration mg/L	M
Aluminum	20.0	1000	P
Antimony	20.0	50	P
Arsenic	20.0	25	P
Barium	20.0	25	P
Beryllium	20.0	5	P
Cadmium	20.0	15	P
Calcium	20.0	1000	P
Chromium	20.0	120	P
Cobalt	20.0	125	P
Copper	20.0	100	P
Iron	20.0	600	P
Lead	20.0	100	P
Magnesium	20.0	800	P
Manganese	20.0	25	P
Mercury			CV
Nickel	20.0	50	P
Potassium	20.0	150	P
Selenium	20.0	15	P
Silver	20.0	10	P
Sodium	20.0	600	P
Thallium	20.0	10	P
Vanadium	20.0	100	P
Zinc	20.0	20	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903

Method: 3010A Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
05-49EQB082803	08/29/03			50	mL
05-49SW082803	08/29/03			50	mL
05-49SW082803DUP	08/29/03			50	mL
05-49SW082803MS	08/29/03			50	mL
05-49SW082803MSD	08/29/03			50	mL
LCS117104	08/29/03			50	mL
MB117103	08/29/03			50	mL

PREPARATION LOG

Lab Name: GCAL

Sample ID:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 203082903

Method: 3010A

Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
05-49EQB082803 (DISS)	08/29/03			50	mL
05-49SW082803 (DISS)	08/29/03			50	mL
05-49SW082803DUP (DISS)	08/29/03			50	mL
05-49SW082803MS (DISS)	08/29/03			50	mL
05-49SW082803MSD (DISS)	08/29/03			50	mL
LCS117106	08/29/03			50	mL
MB117105	08/29/03			50	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/31/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903 End Date: 08/31/03

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
				Analyte Symbols																														
ICV	*	1	1428													X																		
ICV2	*	1	1435																															
ICB	*	1	1443													X																		
CRDL	*	1	1449																															
ICSA	*	1	1456													X																		
ICSAB	*	1	1502													X																		
CCV	*	1	1509																															
CCV2	*	1	1516																															
CCB	*	1	1523																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1540																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1547																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1555																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1602																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1609																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1616																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1624																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1631																															
CCV	*	1	1645																															
CCV2	*	1	1653																															
CCB	*	1	1712																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1719																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1727																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1734																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1741																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1748																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1756																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1803																															

000042

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/31/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903 End Date: 08/31/03

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
				Analyte Symbols																														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1825																															
CCV	*	1	1832																															
CCV2	*	1	1839																															
CCB	*	1	1846																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1853																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1901																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1908																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1915																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1923																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1930																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1937																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1944																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1951																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1958																															
CCV	*	1	2006													X																		
CCV2	*	1	2013																															
CCB	*	1	2021													X																		
MB117103	*	1	2028													X																		
LCS117104	*	1	2035													X																		
05-49SW082803	*	1	2042													X																		
05-49SW082803MS	*	1	2050													X																		
05-49SW082803MSD	*	1	2057													X																		
05-49SW082803PDS	*	1	2104													X																		
05-49SW082803SD	*	5	2112													X																		
05-49EQB082803	*	1	2119													X																		
MB117105	*	1	2126													X																		
LCS117106	*	1	2133													X																		

000043

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/31/03

Lab Code: LA024 Case No.: SAS No.: SDG No.: 203082903 End Date: 08/31/03

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

				Analyte Symbols																															
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
CCV	*	1	2141													X																		
CCV2	*	1	2148																															
CCB	*	1	2155													X																		
05-49SW082803 (DISS)	*	1	2202													X																		
05-49SW082803DUP (DISS)	*	1	2210													X																		
05-49SW082803MS (DISS)	*	1	2217													X																		
05-49SW082803MSD (DISS)	*	1	2224													X																		
05-49SW082803 (D...PDS	*	1	2231													X																		
05-49SW082803 (DISS)SD	*	5	2238													X																		
05-49EQB082803 (DISS)	*	1	2245													X																		
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2253																															
05-49SW082803DUP	*	1	2300													X																		
CCV	*	1	2307													X																		
CCV2	*	1	2314																															
CCB	*	1	2322													X																		

000044

ICP 5

ANALYST JAC
DATE 8-31-03
TIME 1359

AS#	SAMPLE ID		DILUTION
1	CALIBRATION BLANK		
2	STANDARD 1	106-28-7	
~~3~~	~~STANDARD 2~~	~~106-28-8~~	
4	ICV-1600	106-26-3	
5	ICV2-1601	106-29-1	
6	ICB-1700 F: Mg		
7	ICSA-2000	106-29-2	
8	ICSAB-2100	106-25-4	
9	CCV-1800		
10	CCV 2-1802		
11	CCB -1900 F: Mg		
17	[redacted]		
18	[redacted]		
19	[redacted]		
20	[redacted]		
21	[redacted]		
22	[redacted]		
23	[redacted]		
24	[redacted]		
25	[redacted]		
26	[redacted]		
[redacted]	F: As, Zr		
[redacted]			
[redacted]			
27	[redacted]		
28	[redacted]		
29	[redacted]		
30	[redacted]		
31	[redacted]		
32	[redacted]		
33	[redacted]		5X
34	[redacted]		
35	[redacted]		
36	[redacted]		
[redacted]	F: As, Zr		
[redacted]			
[redacted]	F: Fe, Mg		
37	[redacted]		
38	[redacted]		
39	[redacted]		
40	[redacted]		
41	[redacted]		
42	[redacted]		
43	[redacted]		
44	[redacted]		
45	[redacted]		
46	[redacted]		

R/R

AS#	SAMPLE ID		DILUTION
9	CCV-1800 F: As, Zr		
~~10~~	~~CCV 2-1802~~		
11	CCB -1900 F: Fe, Mg		
47	117103	Blk 20308290 W4	
48	117104	LCS 20308290 W4	
49	CH2MHill	20308290301	
50		20308290302 MS	
51		20308290303 MSD	
52	117138	20308290301 A	
53	117137	20308290301 L	5X
54		20308290305	
55	117105	Blk 20308290 W3	
56	117106	LCS 20308290 W3	
57	CCV-1800 F: As, Zr		
58	CCV 2-1802		
59	CCB -1900 F: Fe, Mg		
60	CH2MHill	20308290306	
61		20308290309 D	
62		20308290307 MS	
63		20308290308 MSD	
64	117140	20308290306 A	
65	117139	20308290306 L	5X
66		20308290310	
67	[redacted]		
68	CH2MHill	20308290304 D	
69			
70	CCV-1800 F: As, Se, Zr		
71	CCV 2-1802		
72	CCB -1900 F: Fe, Mg		
73			
74			
75			
76			
7	CCV-1800		
8	CCV 2-1802		
1	CCB -1900		

QC REVIEW: JAC

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS 2013, 261934

QC: all acceptable QC noted with a checkmark; failures as indicated.

Analysis Begun

Start Time: 08/31/2003 13:59:35
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 08/31/2003 13:44:09
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\sw846.sif
Results Data Set: 2030831 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Nebulizer Back Pressure: 160.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 13:59:36

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	69673.7	112.63	0.16%	100.00	%
Ar 420.067 R	1525693.4	1108.46	0.07%	100.00	%
Scandium-IS	3927710.0	19415.30	0.49%	100.00	%
Yttrium,7440-65-5A	2072954.9	10593.83	0.51%	100.00	%
Yttrium,7440-65-5R	73707.3	376.26	0.51%	100.00	%
Aluminum,7429-90-5†	-39.8	5.91	14.85%	[0.00]	mg/L
Antimony,7440-36-0†	-1.0	1.07	109.74%	[0.00]	mg/L
Arsenic,7440-38-2†	-9.7	0.51	5.26%	[0.00]	mg/L
Barium,7440-39-3†	-33.9	1.89	5.57%	[0.00]	mg/L
Beryllium,7440-41-7†	-4864.9	99.22	2.04%	[0.00]	mg/L
Boron,7440-42-8†	-2550.5	26.29	1.03%	[0.00]	mg/L
Cadmium,7440-43-9†	6.5	5.17	79.17%	[0.00]	mg/L
Calcium,7440-70-2†	106.5	9.08	8.52%	[0.00]	mg/L
Chromium,7440-47-3†	1588.8	11.09	0.70%	[0.00]	mg/L
Cobalt,7440-48-4†	-75.6	7.31	9.67%	[0.00]	mg/L
Copper,7440-50-8†	4042.2	65.08	1.61%	[0.00]	mg/L
Iron,7439-89-6†	-75.2	3.33	4.43%	[0.00]	mg/L
Lead,7439-92-1†	191.0	4.78	2.50%	[0.00]	mg/L
Lithium,7439-93-2†	979.6	92.93	9.49%	[0.00]	mg/L
Magnesium,7439-95-4†	-18.1	3.99	22.09%	[0.00]	mg/L
Manganese,7439-96-5†	-365.3	242.48	66.38%	[0.00]	mg/L
Molybdenum,7439-98-7†	-90.7	12.01	13.24%	[0.00]	mg/L
Nickel,7440-02-0†	-137.5	13.22	9.61%	[0.00]	mg/L
Potassium,7440-09-7†	-998.5	118.58	11.88%	[0.00]	mg/L
Selenium,7782-49-2†	53.4	3.67	6.87%	[0.00]	mg/L
Silver,7440-22-4†	-3088.3	69.16	2.24%	[0.00]	mg/L
Sodium,7440-23-5†	4258.3	30.20	0.71%	[0.00]	mg/L
Strontium,7440-24-6†	87.6	33.31	38.04%	[0.00]	mg/L
Thallium,7440-28-0†	-13.8	2.76	19.99%	[0.00]	mg/L
Tin,7440-31-5†	3.8	1.68	44.00%	[0.00]	mg/L
Titanium,7440-32-6†	803.4	137.16	17.07%	[0.00]	mg/L
Vanadium,7440-62-2†	8850.6	97.94	1.11%	[0.00]	mg/L
Zinc,7440-66-6†	1229.4	171.55	13.95%	[0.00]	mg/L
Zirconium,7440-67-7†	1840.7	108.28	5.88%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Nebulizer Back Pressure: 160.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 08/31/2003 14:06:44

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	69355.3	60.01	0.09%	99.543	%
Ar 420.067 R	1545976.3	2916.32	0.19%	101.33	%

Scandium-IS	3952291.1	11611.60	0.29%	100.63	%
Yttrium,7440-65-5A	2066146.4	6128.24	0.30%	99.672	%
Yttrium,7440-65-5R	72332.6	632.38	0.87%	98.135	%
Aluminum,7429-90-5†	2401.0	18.94	0.79%	[10.0]	mg/L
Arsenic,7440-38-2†	822.3	1.06	0.13%	[1.00]	mg/L
Barium,7440-39-3†	112233.8	1727.05	1.54%	[1.00]	mg/L
Beryllium,7440-41-7†	3043917.4	9866.86	0.32%	[1.00]	mg/L
Cadmium,7440-43-9†	106014.3	1721.48	1.62%	[1.00]	mg/L
Calcium,7440-70-2†	13574.5	46.64	0.34%	[10.0]	mg/L
Chromium,7440-47-3†	94005.4	1424.05	1.51%	[1.00]	mg/L
Cobalt,7440-48-4†	39733.5	562.78	1.42%	[1.00]	mg/L
Copper,7440-50-8†	265852.4	3210.84	1.21%	[1.00]	mg/L
Iron,7439-89-6†	3326.0	39.40	1.18%	[10.0]	mg/L
Lead,7439-92-1†	10196.2	56.37	0.55%	[1.00]	mg/L
Lithium,7439-93-2†	76637.3	284.94	0.37%	[1.00]	mg/L
Magnesium,7439-95-4†	698.2	3.06	0.44%	[10.0]	mg/L
Manganese,7439-96-5†	710288.1	1566.11	0.22%	[1.00]	mg/L
Nickel,7440-02-0†	41434.5	678.73	1.64%	[1.00]	mg/L
Potassium,7440-09-7†	64673.4	202.56	0.31%	[20.0]	mg/L
Selenium,7782-49-2†	990.7	0.39	0.04%	[1.00]	mg/L
Silver,7440-22-4†	255429.1	3185.84	1.25%	[1.00]	mg/L
Sodium,7440-23-5†	278697.3	2237.07	0.80%	[40.0]	mg/L
Strontium,7440-24-6†	364203.6	1839.18	0.50%	[1.00]	mg/L
Thallium,7440-28-0†	624.7	6.46	1.03%	[1.00]	mg/L
Vanadium,7440-62-2†	162071.1	2382.61	1.47%	[1.00]	mg/L
Zinc,7440-66-6†	63066.0	937.01	1.49%	[1.00]	mg/L
Zirconium,7440-67-7†	372759.8	2762.23	0.74%	[1.00]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 08/31/2003 14:13:59
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	70035.7	13.38	0.02%	100.52	%
Ar 420.067 R	1559323.5	2968.47	0.19%	102.20	%
Scandium-IS	4269599.3	45198.45	1.06%	108.70	%
Yttrium,7440-65-5A	2239304.4	22584.39	1.01%	108.02	%
Yttrium,7440-65-5R	80508.3	595.42	0.74%	109.23	%
Antimony,7440-36-0†	1696.4	26.39	1.56%	[1.00]	mg/L
Boron,7440-42-8†	119029.0	818.19	0.69%	[5.00]	mg/L
Molybdenum,7439-98-7†	13402.7	233.28	1.74%	[1.00]	mg/L
Tin,7440-31-5†	3556.9	54.48	1.53%	[1.00]	mg/L
Titanium,7440-32-6†	525740.9	2586.48	0.49%	[1.00]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum,7429-90-5	1	Lin, Calc Int	0.0	240.1	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	1696	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	822.3	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	112200	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	3044000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	23810	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	106000	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	1357	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	94010	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	39730	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	265900	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	332.6	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	10200	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	76640	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	69.82	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	710300	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	13400	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	41430	0.00000	1.000000	

Potassium,7440-09-7 1	Lin, Calc Int	0.0	3234	0.00000	1.000000
Selenium,7782-49-2 1	Lin, Calc Int	0.0	990.7	0.00000	1.000000
Silver,7440-22-4 1	Lin, Calc Int	0.0	255400	0.00000	1.000000
Sodium,7440-23-5 1	Lin, Calc Int	0.0	6967	0.00000	1.000000
Strontium,7440-24-6 1	Lin, Calc Int	0.0	364200	0.00000	1.000000
Thallium,7440-28-0 1	Lin, Calc Int	0.0	624.7	0.00000	1.000000
Tin,7440-31-5 1	Lin, Calc Int	0.0	3557	0.00000	1.000000
Titanium,7440-32-6 1	Lin, Calc Int	0.0	525700	0.00000	1.000000
Vanadium,7440-62-2 1	Lin, Calc Int	0.0	162100	0.00000	1.000000
Zinc,7440-66-6 1	Lin, Calc Int	0.0	63070	0.00000	1.000000
Zirconium,7440-67-7 1	Lin, Calc Int	0.0	372800	0.00000	1.000000

Sequence No.: 4
Sample ID: 1600
Analyst:
Nebulizer Back Pressure: 160.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 08/31/2003 14:20:08

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

RIR

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	69281.1	99.437	%	0.2434				0.24%
Ar 420.067 R	1577953.0	103.43	%	0.201				0.19%
Scandium-IS	4336294.9	110.40	%	0.178				0.16%
Yttrium,7440-65-5A	2279923.9	109.98	%	0.215				0.20%
Yttrium,7440-65-5R	81466.0	110.53	%	0.982				0.89%
Aluminum,7429-90-5†	18.4	0.0615	mg/L	0.02033	0.0615	mg/L	0.02033	33.05%
Antimony,7440-36-0†	1791.6	1.0310	mg/L	0.01318	1.0310	mg/L	0.01318	1.28%
QC value within limits for Antimony,7440-36-0 Recovery = 103.10%								
Arsenic,7440-38-2†	861.5	1.0776	mg/L	0.01549	1.0776	mg/L	0.01549	1.44%
QC value within limits for Arsenic,7440-38-2 Recovery = 107.76%								
Barium,7440-39-3†	-47.8	-0.0011	mg/L	0.00005	-0.0011	mg/L	0.00005	4.80%
Beryllium,7440-41-7†	3066488.3	1.0072	mg/L	0.00157	1.0072	mg/L	0.00157	0.16%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.72%								
Boron,7440-42-8†	909.4	0.0379	mg/L	0.00678	0.0379	mg/L	0.00678	17.89%
Cadmium,7440-43-9†	110703.8	1.0441	mg/L	0.00590	1.0441	mg/L	0.00590	0.56%
QC value within limits for Cadmium,7440-43-9 Recovery = 104.41%								
Calcium,7440-70-2†	1342.1	0.9793	mg/L	0.01402	0.9793	mg/L	0.01402	1.43%
QC value within limits for Calcium,7440-70-2 Recovery = 97.93%								
Chromium,7440-47-3†	97426.1	1.0358	mg/L	0.00522	1.0358	mg/L	0.00522	0.50%
QC value within limits for Chromium,7440-47-3 Recovery = 103.58%								
Cobalt,7440-48-4†	42055.9	1.0560	mg/L	0.00699	1.0560	mg/L	0.00699	0.66%
QC value within limits for Cobalt,7440-48-4 Recovery = 105.60%								
Copper,7440-50-8†	257503.9	0.9660	mg/L	0.00434	0.9660	mg/L	0.00434	0.45%
QC value within limits for Copper,7440-50-8 Recovery = 96.60%								
Iron,7439-89-6†	344.9	1.0399	mg/L	0.00857	1.0399	mg/L	0.00857	0.82%
QC value within limits for Iron,7439-89-6 Recovery = 103.99%								
Lead,7439-92-1†	10815.9	1.0602	mg/L	0.01356	1.0602	mg/L	0.01356	1.28%
QC value within limits for Lead,7439-92-1 Recovery = 106.02%								
Lithium,7439-93-2†	77995.2	1.0177	mg/L	0.01304	1.0177	mg/L	0.01304	1.28%
QC value within limits for Lithium,7439-93-2 Recovery = 101.77%								
Magnesium,7439-95-4†	76.1	1.0935	mg/L	0.06389	1.0935	mg/L	0.06389	5.84%
QC value within limits for Magnesium,7439-95-4 Recovery = 109.35%								
Manganese,7439-96-5†	727049.4	1.0239	mg/L	0.00286	1.0239	mg/L	0.00286	0.28%
QC value within limits for Manganese,7439-96-5 Recovery = 102.39%								
Molybdenum,7439-98-7†	14296.7	1.0667	mg/L	0.00392	1.0667	mg/L	0.00392	0.37%
QC value within limits for Molybdenum,7439-98-7 Recovery = 106.67%								
Nickel,7440-02-0†	43828.3	1.0577	mg/L	0.00631	1.0577	mg/L	0.00631	0.60%
QC value within limits for Nickel,7440-02-0 Recovery = 105.77%								
Potassium,7440-09-7†	126.3	0.0377	mg/L	0.01904	0.0377	mg/L	0.01904	50.49%
Selenium,7782-49-2†	1034.4	1.0438	mg/L	0.02074	1.0438	mg/L	0.02074	1.99%
QC value within limits for Selenium,7782-49-2 Recovery = 104.38%								
Silver,7440-22-4†	264972.4	1.0379	mg/L	0.00335	1.0379	mg/L	0.00335	0.32%
QC value within limits for Silver,7440-22-4 Recovery = 103.79%								
Sodium,7440-23-5†	-186.0	-0.0261	mg/L	0.00988	-0.0261	mg/L	0.00988	37.82%
Strontium,7440-24-6†	363445.2	0.9979	mg/L	0.00950	0.9979	mg/L	0.00950	0.95%
QC value within limits for Strontium,7440-24-6 Recovery = 99.79%								
Thallium,7440-28-0†	637.8	1.0209	mg/L	0.01189	1.0209	mg/L	0.01189	1.16%
QC value within limits for Thallium,7440-28-0 Recovery = 102.09%								
Tin,7440-31-5†	-8.0	0.0082	mg/L	0.00111	0.0082	mg/L	0.00111	13.61%

```
Titanium,7440-32-6†   535551.5      1.0187 mg/L      0.00199      1.0187 mg/L      0.00199   0.20%
   QC value within limits for Titanium,7440-32-6  Recovery = 101.87%
Vanadium,7440-62-2†   161377.1      0.9958 mg/L      0.00569      0.9958 mg/L      0.00569   0.57%
   QC value within limits for Vanadium,7440-62-2  Recovery = 99.58%
Zinc,7440-66-6†        65447.8      1.0360 mg/L      0.00585      1.0360 mg/L      0.00585   0.56%
   QC value within limits for Zinc,7440-66-6  Recovery = 103.60%
Zirconium,7440-67-7†    4888.7      0.0130 mg/L      0.00206      0.0130 mg/L      0.00206  15.79%
All analytes passed QC.
```

Analysis Begun

Start Time: 08/31/2003 14:28:29
Logged In Analyst: mat
Spectrometer Model: Optima 4300 DV

Plasma On Time: 08/31/2003 13:44:09
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\sw846.sif
Results Data Set: 2030831 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 4
Sample ID: 1600
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 08/31/2003 14:28:29

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	69472.7	99.712	%	0.2608				0.26%
Ar 420.067 R	1574593.5	103.21	%	0.438				0.42%
Scandium-IS	4451188.9	113.33	%	0.019				0.02%
Yttrium,7440-65-5A	2340728.1	112.92	%	0.058				0.05%
Yttrium,7440-65-5R	84921.1	115.21	%	4.226				3.67%
Aluminum,7429-90-5†	12.0	0.0350	mg/L	0.01619	0.0350	mg/L	0.01619	46.30%
Antimony,7440-36-0†	1807.4	1.0404	mg/L	0.00446	1.0404	mg/L	0.00446	0.43%
QC value within limits for Antimony,7440-36-0 Recovery = 104.04%								
Arsenic,7440-38-2†	866.0	1.0830	mg/L	0.00688	1.0830	mg/L	0.00688	0.64%
QC value within limits for Arsenic,7440-38-2 Recovery = 108.30%								
Barium,7440-39-3†	-58.9	-0.0012	mg/L	0.00006	-0.0012	mg/L	0.00006	5.29%
Beryllium,7440-41-7†	3110021.5	1.0215	mg/L	0.00185	1.0215	mg/L	0.00185	0.18%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.15%								
Boron,7440-42-8†	231.6	0.0094	mg/L	0.00064	0.0094	mg/L	0.00064	6.77%
Cadmium,7440-43-9†	110936.2	1.0463	mg/L	0.00772	1.0463	mg/L	0.00772	0.74%
QC value within limits for Cadmium,7440-43-9 Recovery = 104.63%								
Calcium,7440-70-2†	1347.8	0.9834	mg/L	0.04781	0.9834	mg/L	0.04781	4.86%
QC value within limits for Calcium,7440-70-2 Recovery = 98.34%								
Chromium,7440-47-3†	97144.7	1.0328	mg/L	0.00865	1.0328	mg/L	0.00865	0.84%
QC value within limits for Chromium,7440-47-3 Recovery = 103.28%								
Cobalt,7440-48-4†	41990.0	1.0543	mg/L	0.00679	1.0543	mg/L	0.00679	0.64%
QC value within limits for Cobalt,7440-48-4 Recovery = 105.43%								
Copper,7440-50-8†	258563.8	0.9700	mg/L	0.00703	0.9700	mg/L	0.00703	0.72%
QC value within limits for Copper,7440-50-8 Recovery = 97.00%								
Iron,7439-89-6†	353.1	1.0644	mg/L	0.02617	1.0644	mg/L	0.02617	2.46%
QC value within limits for Iron,7439-89-6 Recovery = 106.44%								
Lead,7439-92-1†	11077.8	1.0859	mg/L	0.00427	1.0859	mg/L	0.00427	0.39%
QC value within limits for Lead,7439-92-1 Recovery = 108.59%								
Lithium,7439-93-2†	75980.9	0.9914	mg/L	0.05425	0.9914	mg/L	0.05425	5.47%
QC value within limits for Lithium,7439-93-2 Recovery = 99.14%								
Magnesium,7439-95-4†	76.8	1.1035	mg/L	0.01377	1.1035	mg/L	0.01377	1.25%
QC value within limits for Magnesium,7439-95-4 Recovery = 110.35%								
Manganese,7439-96-5†	736502.0	1.0373	mg/L	0.00326	1.0373	mg/L	0.00326	0.31%
QC value within limits for Manganese,7439-96-5 Recovery = 103.73%								
Molybdenum,7439-98-7†	14283.0	1.0657	mg/L	0.00745	1.0657	mg/L	0.00745	0.70%
QC value within limits for Molybdenum,7439-98-7 Recovery = 106.57%								
Nickel,7440-02-0†	43717.6	1.0550	mg/L	0.00751	1.0550	mg/L	0.00751	0.71%
QC value within limits for Nickel,7440-02-0 Recovery = 105.50%								
Potassium,7440-09-7†	119.6	0.0356	mg/L	0.03038	0.0356	mg/L	0.03038	85.27%
Selenium,7782-49-2†	1049.5	1.0590	mg/L	0.01096	1.0590	mg/L	0.01096	1.03%
QC value within limits for Selenium,7782-49-2 Recovery = 105.90%								

Silver,7440-22-4†	263662.3	1.0328 mg/L	0.00801	1.0328 mg/L	0.00801	0.78%
QC value within limits for Silver,7440-22-4 Recovery = 103.28%						
Sodium,7440-23-5†	-327.2	-0.0464 mg/L	0.01886	-0.0464 mg/L	0.01886	40.67%
Strontium,7440-24-6†	362022.7	0.9940 mg/L	0.02833	0.9940 mg/L	0.02833	2.85%
QC value within limits for Strontium,7440-24-6 Recovery = 99.40%						
Thallium,7440-28-0†	646.2	1.0343 mg/L	0.00533	1.0343 mg/L	0.00533	0.51%
QC value within limits for Thallium,7440-28-0 Recovery = 103.43%						
Tin,7440-31-5†	-15.0	0.0063 mg/L	0.00058	0.0063 mg/L	0.00058	9.11%
Titanium,7440-32-6†	542082.6	1.0311 mg/L	0.00225	1.0311 mg/L	0.00225	0.22%
QC value within limits for Titanium,7440-32-6 Recovery = 103.11%						
Vanadium,7440-62-2†	160529.0	0.9905 mg/L	0.00641	0.9905 mg/L	0.00641	0.65%
QC value within limits for Vanadium,7440-62-2 Recovery = 99.05%						
Zinc,7440-66-6†	65226.1	1.0326 mg/L	0.00677	1.0326 mg/L	0.00677	0.66%
QC value within limits for Zinc,7440-66-6 Recovery = 103.26%						
Zirconium,7440-67-7†	1984.3	0.0052 mg/L	0.00048	0.0052 mg/L	0.00048	9.13%

All analytes passed QC.

Sequence No.: 5
Sample ID: 1601
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 08/31/2003 14:35:47
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	69175.4	99.285	%	0.1841				0.19%
Ar 420.067 R	1604927.1	105.19	%	0.134				0.13%
Scandium-IS	4483470.4	114.15	%	0.441				0.39%
Yttrium,7440-65-5A	2344109.3	113.08	%	0.387				0.34%
Yttrium,7440-65-5R	85039.0	115.37	%	1.391				1.21%
Aluminum,7429-90-5†	2279.6	9.4942	mg/L	0.12706	9.4942	mg/L	0.12706	1.34%
QC value within limits for Aluminum,7429-90-5 Recovery = 94.94%								
Antimony,7440-36-0†	5.3	0.0033	mg/L	0.00374	0.0033	mg/L	0.00374	111.96%
Arsenic,7440-38-2†	-1.5	0.0003	mg/L	0.00225	0.0003	mg/L	0.00225	732.78%
Barium,7440-39-3†	115767.2	1.0315	mg/L	0.02411	1.0315	mg/L	0.02411	2.34%
QC value within limits for Barium,7440-39-3 Recovery = 103.15%								
Beryllium,7440-41-7†	1165.7	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.76%
Boron,7440-42-8†	125948.9	5.2904	mg/L	0.12903	5.2904	mg/L	0.12903	2.44%
QC value within limits for Boron,7440-42-8 Recovery = 105.81%								
Cadmium,7440-43-9†	-6.2	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	74.74%
Calcium,7440-70-2†	-39.4	-0.0293	mg/L	0.00427	-0.0293	mg/L	0.00427	14.58%
Chromium,7440-47-3†	-18.2	-0.0005	mg/L	0.00035	-0.0005	mg/L	0.00035	64.83%
Cobalt,7440-48-4†	-63.7	-0.0016	mg/L	0.00018	-0.0016	mg/L	0.00018	11.18%
Copper,7440-50-8†	2738.0	0.0104	mg/L	0.00027	0.0104	mg/L	0.00027	2.56%
Iron,7439-89-6†	14.6	0.0435	mg/L	0.00618	0.0435	mg/L	0.00618	14.22%
Lead,7439-92-1†	-36.1	-0.0028	mg/L	0.00020	-0.0028	mg/L	0.00020	6.91%
Lithium,7439-93-2†	37.6	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	41.24%
Magnesium,7439-95-4†	4.7	0.0678	mg/L	0.00925	0.0678	mg/L	0.00925	13.63%
Manganese,7439-96-5†	-1213.3	-0.0016	mg/L	0.00013	-0.0016	mg/L	0.00013	7.81%
Molybdenum,7439-98-7†	54.8	0.0041	mg/L	0.00106	0.0041	mg/L	0.00106	25.93%
Nickel,7440-02-0†	20.1	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	24.18%
Potassium,7440-09-7†	32384.8	10.015	mg/L	0.1013	10.015	mg/L	0.1013	1.01%
QC value within limits for Potassium,7440-09-7 Recovery = 100.15%								
Selenium,7782-49-2†	-4.6	-0.0045	mg/L	0.00652	-0.0045	mg/L	0.00652	144.79%
Silver,7440-22-4†	989.9	0.0039	mg/L	0.00014	0.0039	mg/L	0.00014	3.67%
Sodium,7440-23-5†	66602.2	9.5584	mg/L	0.08236	9.5584	mg/L	0.08236	0.86%
QC value within limits for Sodium,7440-23-5 Recovery = 95.58%								
Strontium,7440-24-6†	-109.7	-0.0003	mg/L	0.00013	-0.0003	mg/L	0.00013	42.27%
Thallium,7440-28-0†	-1.2	-0.0019	mg/L	0.00344	-0.0019	mg/L	0.00344	182.14%
Tin,7440-31-5†	3602.1	1.0129	mg/L	0.01074	1.0129	mg/L	0.01074	1.06%
QC value within limits for Tin,7440-31-5 Recovery = 101.29%								
Titanium,7440-32-6†	84.5	0.0002	mg/L	0.00032	0.0002	mg/L	0.00032	196.10%
Vanadium,7440-62-2†	-300.6	-0.0019	mg/L	0.00083	-0.0019	mg/L	0.00083	44.45%
Zinc,7440-66-6†	-1080.3	-0.0171	mg/L	0.00007	-0.0171	mg/L	0.00007	0.43%
Zirconium,7440-67-7†	356255.7	0.9557	mg/L	0.01523	0.9557	mg/L	0.01523	1.59%

All analytes passed QC.

Sequence No.: 6 Autosampler Location: 1

Sample ID: 1700
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Date Collected: 08/31/2003 14:43:18
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1700

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	69373.9	99.570	%	0.3063				0.31%
Ar 420.067 R	1571686.1	103.01	%	0.093				0.09%
Scandium-IS	4394588.7	111.89	%	0.961				0.86%
Yttrium,7440-65-5A	2321580.7	111.99	%	0.967				0.86%
Yttrium,7440-65-5R	81497.8	110.57	%	1.624				1.47%
Aluminum,7429-90-5†	2.0	0.0085	mg/L	0.02339	0.0085	mg/L	0.02339	274.31%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	3.4	0.0021	mg/L	0.00161	0.0021	mg/L	0.00161	78.07%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.0	0.0024	mg/L	0.00445	0.0024	mg/L	0.00445	185.74%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	18.0	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	38.29%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	605.0	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	8.35%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1400.8	0.0588	mg/L	0.00837	0.0588	mg/L	0.00837	14.22%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	6.2	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	103.07%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	3.6	0.0026	mg/L	0.00312	0.0026	mg/L	0.00312	118.18%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-108.2	-0.0012	mg/L	0.00014	-0.0012	mg/L	0.00014	12.27%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	15.4	0.0004	mg/L	0.00021	0.0004	mg/L	0.00021	54.62%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	2347.7	0.0088	mg/L	0.00061	0.0088	mg/L	0.00061	6.92%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	9.9	0.0298	mg/L	0.00398	0.0298	mg/L	0.00398	13.34%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-1.5	-0.0002	mg/L	0.00111	-0.0002	mg/L	0.00111	711.71%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	265.2	0.0035	mg/L	0.00132	0.0035	mg/L	0.00132	38.02%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	6.2	0.0885	mg/L	0.03465	0.0885	mg/L	0.03465	39.14%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-40.4	-0.0001	mg/L	0.00019	-0.0001	mg/L	0.00019	331.98%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	24.4	0.0018	mg/L	0.00033	0.0018	mg/L	0.00033	18.07%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	10.3	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	69.47%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	102.7	0.0317	mg/L	0.02412	0.0317	mg/L	0.02412	75.98%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-9.5	-0.0096	mg/L	0.00285	-0.0096	mg/L	0.00285	29.65%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silver,7440-22-4†	321.3	0.0013	mg/L	0.00012	0.0013	mg/L	0.00012	9.78%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	8.6	0.0012	mg/L	0.01215	0.0012	mg/L	0.01215	994.75%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-34.2	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	42.74%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-1.8	-0.0028	mg/L	0.00026	-0.0028	mg/L	0.00026	9.22%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	7.0	0.0020	mg/L	0.00124	0.0020	mg/L	0.00124	62.82%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-338.5	-0.0006	mg/L	0.00018	-0.0006	mg/L	0.00018	27.83%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-340.5	-0.0021	mg/L	0.00018	-0.0021	mg/L	0.00018	8.59%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-146.3	-0.0023	mg/L	0.00094	-0.0023	mg/L	0.00094	40.39%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	3228.2	0.0087	mg/L	0.00083	0.0087	mg/L	0.00083	9.58%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 7
Sample ID: 1700
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 14:48:22
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Analysis Begun

Start Time: 08/31/2003 14:49:26
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 08/31/2003 13:44:09
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\sw846.sif
Results Data Set: 2030831 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 8
Sample ID: 2300
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 08/31/2003 14:49:26
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2300

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	69291.5	99.451	%	0.1847				0.19%
Ar 420.067 R	1572123.5	103.04	%	0.194				0.19%
Scandium-IS	4450267.6	113.30	%	1.012				0.89%
Yttrium,7440-65-5A	2344237.5	113.09	%	0.986				0.87%
Yttrium,7440-65-5R	80978.1	109.86	%	1.484				1.35%
Aluminum,7429-90-5†	76.3	0.3173	mg/L	0.01104	0.3173	mg/L	0.01104	3.48%
QC value greater than the upper limit for Aluminum,7429-90-5 Recovery = 158.65%								
Antimony,7440-36-0†	107.7	0.0634	mg/L	0.00277	0.0634	mg/L	0.00277	4.37%
QC value within limits for Antimony,7440-36-0 Recovery = 105.64%								
Arsenic,7440-38-2†	38.1	0.0469	mg/L	0.00246	0.0469	mg/L	0.00246	5.23%
QC value within limits for Arsenic,7440-38-2 Recovery = 117.30%								
Barium,7440-39-3†	1155.1	0.0103	mg/L	0.00014	0.0103	mg/L	0.00014	1.33%
QC value within limits for Barium,7440-39-3 Recovery = 102.78%								
Beryllium,7440-41-7†	16533.1	0.0054	mg/L	0.00002	0.0054	mg/L	0.00002	0.46%
QC value within limits for Beryllium,7440-41-7 Recovery = 108.15%								
Boron,7440-42-8†	12979.3	0.5452	mg/L	0.00275	0.5452	mg/L	0.00275	0.50%
QC value within limits for Boron,7440-42-8 Recovery = 109.04%								
Cadmium,7440-43-9†	533.9	0.0050	mg/L	0.00007	0.0050	mg/L	0.00007	1.44%
QC value within limits for Cadmium,7440-43-9 Recovery = 100.57%								
Calcium,7440-70-2†	117.7	0.0859	mg/L	0.00157	0.0859	mg/L	0.00157	1.83%
QC value within limits for Calcium,7440-70-2 Recovery = 85.92%								
Chromium,7440-47-3†	872.6	0.0093	mg/L	0.00059	0.0093	mg/L	0.00059	6.35%
QC value within limits for Chromium,7440-47-3 Recovery = 92.57%								
Cobalt,7440-48-4†	426.8	0.0105	mg/L	0.00034	0.0105	mg/L	0.00034	3.20%
QC value within limits for Cobalt,7440-48-4 Recovery = 105.14%								
Copper,7440-50-8†	3055.9	0.0114	mg/L	0.00018	0.0114	mg/L	0.00018	1.56%
QC value within limits for Copper,7440-50-8 Recovery = 114.38%								
Iron,7439-89-6†	44.3	0.1334	mg/L	0.00694	0.1334	mg/L	0.00694	5.20%
QC value within limits for Iron,7439-89-6 Recovery = 133.43%								
Lead,7439-92-1†	139.7	0.0137	mg/L	0.00007	0.0137	mg/L	0.00007	0.50%
QC value within limits for Lead,7439-92-1 Recovery = 91.36%								
Lithium,7439-93-2†	3930.9	0.0513	mg/L	0.00058	0.0513	mg/L	0.00058	1.13%
QC value within limits for Lithium,7439-93-2 Recovery = 102.58%								
Magnesium,7439-95-4†	14.3	0.2060	mg/L	0.03424	0.2060	mg/L	0.03424	16.63%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 205.95%								
Manganese,7439-96-5†	10016.3	0.0141	mg/L	0.00004	0.0141	mg/L	0.00004	0.28%
QC value within limits for Manganese,7439-96-5 Recovery = 94.15%								
Molybdenum,7439-98-7†	722.5	0.0539	mg/L	0.00038	0.0539	mg/L	0.00038	0.71%
QC value within limits for Molybdenum,7439-98-7 Recovery = 107.81%								
Nickel,7440-02-0†	1754.7	0.0423	mg/L	0.00029	0.0423	mg/L	0.00029	0.68%

QC value within limits for Nickel,7440-02-0 Recovery = 105.85%
Potassium,7440-09-7† 1692.9 0.5234 mg/L 0.02947 0.5234 mg/L 0.02947 5.63%
QC value within limits for Potassium,7440-09-7 Recovery = 104.67%
Selenium,7782-49-2† 36.7 0.0371 mg/L 0.00298 0.0371 mg/L 0.00298 8.02%
QC value within limits for Selenium,7782-49-2 Recovery = 92.75%
Silver,7440-22-4† 2373.6 0.0093 mg/L 0.00041 0.0093 mg/L 0.00041 4.39%
QC value within limits for Silver,7440-22-4 Recovery = 93.17%
Sodium,7440-23-5† 6868.4 0.9857 mg/L 0.00375 0.9857 mg/L 0.00375 0.38%
QC value within limits for Sodium,7440-23-5 Recovery = 98.57%
Strontium,7440-24-6† 18318.7 0.0503 mg/L 0.00173 0.0503 mg/L 0.00173 3.45%
QC value within limits for Strontium,7440-24-6 Recovery = 100.59%
Thallium,7440-28-0† 4.4 0.0070 mg/L 0.00222 0.0070 mg/L 0.00222 31.60%
QC value within limits for Thallium,7440-28-0 Recovery = 70.37%
Tin,7440-31-5† 366.0 0.1039 mg/L 0.00188 0.1039 mg/L 0.00188 1.81%
QC value within limits for Tin,7440-31-5 Recovery = 103.95%
Titanium,7440-32-6† 54463.8 0.1036 mg/L 0.00236 0.1036 mg/L 0.00236 2.28%
QC value within limits for Titanium,7440-32-6 Recovery = 103.59%
Vanadium,7440-62-2† 2759.0 0.0171 mg/L 0.00029 0.0171 mg/L 0.00029 1.71%
QC value within limits for Vanadium,7440-62-2 Recovery = 85.28%
Zinc,7440-66-6† 264.2 0.0041 mg/L 0.00055 0.0041 mg/L 0.00055 13.41%
QC value less than the lower limit for Zinc,7440-66-6 Recovery = 20.37%
Zirconium,7440-67-7† 11808.5 0.0317 mg/L 0.00422 0.0317 mg/L 0.00422 13.33%
QC value greater than the upper limit for Zirconium,7440-67-7 Recovery = 316.64%
QC Failed. Continue with analysis.

Sequence No.: 9
Sample ID: 2000
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 08/31/2003 14:56:38
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65758.9	94.381	%	0.2379				0.25%
Ar 420.067 R	1523498.2	99.856	%	0.4765				0.48%
Scandium-IS	4158216.0	105.87	%	1.515				1.43%
Yttrium,7440-65-5A	2167114.4	104.54	%	1.471				1.41%
Yttrium,7440-65-5R	81793.9	110.97	%	0.440				0.40%
Aluminum,7429-90-5†	49269.9	205.20	mg/L	0.256	205.20	mg/L	0.256	0.12%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.60%								
Antimony,7440-36-0†	-10.1	-0.0015	mg/L	0.00236	-0.0015	mg/L	0.00236	153.62%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-56.1	-0.0163	mg/L	0.00896	-0.0163	mg/L	0.00896	55.14%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	226.3	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	24.99%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-381.7	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	23.99%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-923.0	-0.0673	mg/L	0.00381	-0.0673	mg/L	0.00381	5.66%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	49.1	-0.0030	mg/L	0.00017	-0.0030	mg/L	0.00017	5.64%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	272388.9	200.62	mg/L	0.345	200.62	mg/L	0.345	0.17%
QC value within limits for Calcium,7440-70-2 Recovery = 100.31%								
Chromium,7440-47-3†	253.9	-0.0043	mg/L	0.00029	-0.0043	mg/L	0.00029	6.80%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	35.8	0.0008	mg/L	0.00020	0.0008	mg/L	0.00020	24.26%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-4554.5	0.0029	mg/L	0.00008	0.0029	mg/L	0.00008	2.83%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	26426.0	79.463	mg/L	0.0995	79.463	mg/L	0.0995	0.13%
QC value within limits for Iron,7439-89-6 Recovery = 99.33%								
Lead,7439-92-1†	-138.2	0.0005	mg/L	0.00225	0.0005	mg/L	0.00225	498.41%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-156.8	-0.0020	mg/L	0.00029	-0.0020	mg/L	0.00029	14.18%
Magnesium,7439-95-4†	15282.4	218.94	mg/L	2.701	218.94	mg/L	2.701	1.23%
QC value within limits for Magnesium,7439-95-4 Recovery = 109.47%								
Manganese,7439-96-5†	-6600.2	-0.0042	mg/L	0.00012	-0.0042	mg/L	0.00012	2.88%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								

Molybdenum,7439-98-7†	-11.7	-0.0026 mg/L	0.00099	-0.0026 mg/L	0.00099	38.97%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	-26.0	-0.0015 mg/L	0.00021	-0.0015 mg/L	0.00021	13.40%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	190.9	0.0263 mg/L	0.01643	0.0263 mg/L	0.01643	62.45%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-20.4	-0.0128 mg/L	0.00630	-0.0128 mg/L	0.00630	49.27%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silver,7440-22-4†	-3193.9	-0.0030 mg/L	0.00050	-0.0030 mg/L	0.00050	16.58%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	-65.6	-0.0765 mg/L	0.00332	-0.0765 mg/L	0.00332	4.34%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	1755.7	-0.0008 mg/L	0.00003	-0.0008 mg/L	0.00003	4.14%
Thallium,7440-28-0†	-5.6	-0.0090 mg/L	0.00587	-0.0090 mg/L	0.00587	65.08%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-19.2	-0.0046 mg/L	0.00139	-0.0046 mg/L	0.00139	30.56%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	87.6	0.0002 mg/L	0.00071	0.0002 mg/L	0.00071	423.87%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	2139.8	0.0092 mg/L	0.00106	0.0092 mg/L	0.00106	11.48%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	526.4	-0.0251 mg/L	0.00034	-0.0251 mg/L	0.00034	1.34%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-8.4	-0.0012 mg/L	0.00015	-0.0012 mg/L	0.00015	13.04%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 10
Sample ID: 2100
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 08/31/2003 15:02:50
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2100

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65989.1	94.712	%	0.3501				0.37%
Ar 420.067 R	1509134.0	98.915	%	0.1178				0.12%
Scandium-IS	4217238.0	107.37	%	0.579				0.54%
Yttrium,7440-65-5A	2199170.7	106.09	%	0.613				0.58%
Yttrium,7440-65-5R	81523.3	110.60	%	1.596				1.44%
Aluminum,7429-90-5†	50408.4	209.93	mg/L	0.119	209.93	mg/L	0.119	0.06%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.97%								
Antimony,7440-36-0†	1725.0	1.0086	mg/L	0.01757	1.0086	mg/L	0.01757	1.74%
QC value within limits for Antimony,7440-36-0 Recovery = 100.86%								
Arsenic,7440-38-2†	838.4	1.0877	mg/L	0.00369	1.0877	mg/L	0.00369	0.34%
QC value within limits for Arsenic,7440-38-2 Recovery = 108.77%								
Barium,7440-39-3†	57357.3	0.5089	mg/L	0.00160	0.5089	mg/L	0.00160	0.31%
QC value within limits for Barium,7440-39-3 Recovery = 101.78%								
Beryllium,7440-41-7†	1602451.4	0.5264	mg/L	0.00950	0.5264	mg/L	0.00950	1.81%
QC value within limits for Beryllium,7440-41-7 Recovery = 105.29%								
Boron,7440-42-8†	24559.9	1.0023	mg/L	0.00414	1.0023	mg/L	0.00414	0.41%
QC value within limits for Boron,7440-42-8 Recovery = 100.23%								
Cadmium,7440-43-9†	106058.9	0.9968	mg/L	0.00291	0.9968	mg/L	0.00291	0.29%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.68%								
Calcium,7440-70-2†	276993.3	204.01	mg/L	0.633	204.01	mg/L	0.633	0.31%
QC value within limits for Calcium,7440-70-2 Recovery = 102.00%								
Chromium,7440-47-3†	47138.8	0.4941	mg/L	0.00206	0.4941	mg/L	0.00206	0.42%
QC value within limits for Chromium,7440-47-3 Recovery = 98.82%								
Cobalt,7440-48-4†	19433.8	0.4888	mg/L	0.00357	0.4888	mg/L	0.00357	0.73%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.75%								
Copper,7440-50-8†	126382.2	0.4946	mg/L	0.00053	0.4946	mg/L	0.00053	0.11%
QC value within limits for Copper,7440-50-8 Recovery = 98.91%								
Iron,7439-89-6†	27299.0	82.089	mg/L	0.0244	82.089	mg/L	0.0244	0.03%
QC value within limits for Iron,7439-89-6 Recovery = 102.61%								
Lead,7439-92-1†	10313.9	1.0257	mg/L	0.00974	1.0257	mg/L	0.00974	0.95%
QC value within limits for Lead,7439-92-1 Recovery = 102.57%								
Lithium,7439-93-2†	-122.1	-0.0016	mg/L	0.00075	-0.0016	mg/L	0.00075	46.80%
Magnesium,7439-95-4†	15471.6	221.65	mg/L	3.496	221.65	mg/L	3.496	1.58%
QC value within limits for Magnesium,7439-95-4 Recovery = 110.82%								

Manganese,7439-96-5†	354754.1	0.5048 mg/L	0.00106	0.5048 mg/L	0.00106	0.21%
QC value within limits for Manganese,7439-96-5 Recovery = 100.95%						
Molybdenum,7439-98-7†	14125.9	1.0523 mg/L	0.00660	1.0523 mg/L	0.00660	0.63%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.23%						
Nickel,7440-02-0†	38832.1	0.9363 mg/L	0.00411	0.9363 mg/L	0.00411	0.44%
QC value within limits for Nickel,7440-02-0 Recovery = 93.63%						
Potassium,7440-09-7†	170.9	0.0195 mg/L	0.02057	0.0195 mg/L	0.02057	105.42%
Selenium,7782-49-2†	1088.9	1.1070 mg/L	0.01492	1.1070 mg/L	0.01492	1.35%
QC value within limits for Selenium,7782-49-2 Recovery = 110.70%						
Silver,7440-22-4†	264640.1	1.0461 mg/L	0.00409	1.0461 mg/L	0.00409	0.39%
QC value within limits for Silver,7440-22-4 Recovery = 104.61%						
Sodium,7440-23-5†	7174.8	0.9620 mg/L	0.01389	0.9620 mg/L	0.01389	1.44%
Strontium,7440-24-6†	1684.6	-0.0011 mg/L	0.00010	-0.0011 mg/L	0.00010	9.14%
Thallium,7440-28-0†	645.9	1.0338 mg/L	0.00481	1.0338 mg/L	0.00481	0.47%
QC value within limits for Thallium,7440-28-0 Recovery = 103.38%						
Tin,7440-31-5†	-18.3	-0.0042 mg/L	0.00092	-0.0042 mg/L	0.00092	21.89%
Titanium,7440-32-6†	-51.7	-0.0001 mg/L	0.00037	-0.0001 mg/L	0.00037	372.35%
Vanadium,7440-62-2†	80428.7	0.4919 mg/L	0.00233	0.4919 mg/L	0.00233	0.47%
QC value within limits for Vanadium,7440-62-2 Recovery = 98.39%						
Zinc,7440-66-6†	66000.7	1.0081 mg/L	0.00578	1.0081 mg/L	0.00578	0.57%
QC value within limits for Zinc,7440-66-6 Recovery = 100.81%						
Zirconium,7440-67-7†	1094.6	0.0018 mg/L	0.00021	0.0018 mg/L	0.00021	11.91%

All analytes passed QC.

Sequence No.: 11
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 08/31/2003 15:09:07
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	68179.4	97.855	%	0.3330				0.34%
Ar 420.067 R	1574572.6	103.20	%	0.163				0.16%
Scandium-IS	4376353.1	111.42	%	1.601				1.44%
Yttrium,7440-65-5A	2293712.0	110.65	%	1.575				1.42%
Yttrium,7440-65-5R	83050.9	112.68	%	1.153				1.02%
Aluminum,7429-90-5†	1212.8	5.0444	mg/L	0.09894	5.0444	mg/L	0.09894	1.96%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.89%								
Antimony,7440-36-0†	49.1	0.0158	mg/L	0.00432	0.0158	mg/L	0.00432	27.25%
Arsenic,7440-38-2†	438.3	0.5498	mg/L	0.01393	0.5498	mg/L	0.01393	2.53%
QC value within limits for Arsenic,7440-38-2 Recovery = 109.97%								
Barium,7440-39-3†	58230.5	0.5184	mg/L	0.01241	0.5184	mg/L	0.01241	2.39%
QC value within limits for Barium,7440-39-3 Recovery = 103.68%								
Beryllium,7440-41-7†	1555211.5	0.5109	mg/L	0.00706	0.5109	mg/L	0.00706	1.38%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.18%								
Boron,7440-42-8†	335.3	0.0124	mg/L	0.00234	0.0124	mg/L	0.00234	18.87%
Cadmium,7440-43-9†	56282.9	0.5306	mg/L	0.01281	0.5306	mg/L	0.01281	2.41%
QC value within limits for Cadmium,7440-43-9 Recovery = 106.12%								
Calcium,7440-70-2†	6894.1	5.0766	mg/L	0.10461	5.0766	mg/L	0.10461	2.06%
QC value within limits for Calcium,7440-70-2 Recovery = 101.53%								
Chromium,7440-47-3†	48503.0	0.5156	mg/L	0.01363	0.5156	mg/L	0.01363	2.64%
QC value within limits for Chromium,7440-47-3 Recovery = 103.12%								
Cobalt,7440-48-4†	20722.4	0.5214	mg/L	0.01321	0.5214	mg/L	0.01321	2.53%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.27%								
Copper,7440-50-8†	135814.5	0.5108	mg/L	0.01210	0.5108	mg/L	0.01210	2.37%
QC value within limits for Copper,7440-50-8 Recovery = 102.15%								
Iron,7439-89-6†	1718.2	5.1672	mg/L	0.08166	5.1672	mg/L	0.08166	1.58%
QC value within limits for Iron,7439-89-6 Recovery = 103.34%								
Lead,7439-92-1†	5346.6	0.5244	mg/L	0.00674	0.5244	mg/L	0.00674	1.29%
QC value within limits for Lead,7439-92-1 Recovery = 104.88%								
Lithium,7439-93-2†	38131.6	0.4976	mg/L	0.00561	0.4976	mg/L	0.00561	1.13%
QC value within limits for Lithium,7439-93-2 Recovery = 99.51%								
Magnesium,7439-95-4†	381.3	5.4649	mg/L	0.08247	5.4649	mg/L	0.08247	1.51%
QC value within limits for Magnesium,7439-95-4 Recovery = 109.30%								
Manganese,7439-96-5†	366511.9	0.5163	mg/L	0.01250	0.5163	mg/L	0.01250	2.42%
QC value within limits for Manganese,7439-96-5 Recovery = 103.26%								
Molybdenum,7439-98-7†	48.5	0.0036	mg/L	0.00092	0.0036	mg/L	0.00092	25.45%
Nickel,7440-02-0†	21715.9	0.5241	mg/L	0.01256	0.5241	mg/L	0.01256	2.40%

QC value within limits for Nickel,7440-02-0 Recovery = 104.82%

Potassium,7440-09-7†	32478.1	10.043 mg/L	0.0874	10.043 mg/L	0.0874	0.87%

QC value within limits for Potassium,7440-09-7 Recovery = 100.43%

Selenium,7782-49-2†	522.8	0.5279 mg/L	0.00838	0.5279 mg/L	0.00838	1.59%

QC value within limits for Selenium,7782-49-2 Recovery = 105.59%

Silver,7440-22-4†	129628.4	0.5083 mg/L	0.01102	0.5083 mg/L	0.01102	2.17%

QC value within limits for Silver,7440-22-4 Recovery = 101.67%

Sodium,7440-23-5†	138110.1	19.821 mg/L	0.0556	19.821 mg/L	0.0556	0.28%

QC value within limits for Sodium,7440-23-5 Recovery = 99.11%

Strontium,7440-24-6†	187643.7	0.5151 mg/L	0.00321	0.5151 mg/L	0.00321	0.62%

QC value within limits for Strontium,7440-24-6 Recovery = 103.02%

Thallium,7440-28-0†	315.0	0.5043 mg/L	0.00365	0.5043 mg/L	0.00365	0.72%

QC value within limits for Thallium,7440-28-0 Recovery = 100.85%

Tin,7440-31-5†	-4.3	-0.0010 mg/L	0.00052	-0.0010 mg/L	0.00052	51.07%
Titanium,7440-32-6†	302.2	0.0006 mg/L	0.00031	0.0006 mg/L	0.00031	53.71%
Vanadium,7440-62-2†	83003.0	0.5116 mg/L	0.01386	0.5116 mg/L	0.01386	2.71%

QC value within limits for Vanadium,7440-62-2 Recovery = 102.33%

Zinc,7440-66-6†	32965.6	0.5196 mg/L	0.01339	0.5196 mg/L	0.01339	2.58%

QC value within limits for Zinc,7440-66-6 Recovery = 103.92%

Zirconium,7440-67-7†	175897.9	0.4718 mg/L	0.01867	0.4718 mg/L	0.01867	3.96%

QC value within limits for Zirconium,7440-67-7 Recovery = 94.37%

All analytes passed QC.

Sequence No.: 12
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 08/31/2003 15:16:26

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	68084.0	97.718	%	0.1137				0.12%
Ar 420.067 R	1574747.7	103.22	%	0.350				0.34%
Scandium-IS	4430335.6	112.80	%	1.665				1.48%
Yttrium,7440-65-5A	2328397.7	112.32	%	1.554				1.38%
Yttrium,7440-65-5R	81476.9	110.54	%	1.090				0.99%
Aluminum,7429-90-5†	8.7	0.0356	mg/L	0.02630	0.0356	mg/L	0.02630	73.95%
Antimony,7440-36-0†	867.9	0.5123	mg/L	0.00564	0.5123	mg/L	0.00564	1.10%

QC value within limits for Antimony,7440-36-0 Recovery = 102.46%

Arsenic,7440-38-2†	4.1	0.0047	mg/L	0.00221	0.0047	mg/L	0.00221	47.01%
Barium,7440-39-3†	-45.6	-0.0004	mg/L	0.00010	-0.0004	mg/L	0.00010	23.98%
Beryllium,7440-41-7†	1409.3	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	9.38%
Boron,7440-42-8†	60621.9	2.5465	mg/L	0.03625	2.5465	mg/L	0.03625	1.42%

QC value within limits for Boron,7440-42-8 Recovery = 101.86%

Cadmium,7440-43-9†	-5.4	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	57.56%
Calcium,7440-70-2†	-38.4	-0.0319	mg/L	0.00350	-0.0319	mg/L	0.00350	10.95%
Chromium,7440-47-3†	-115.1	-0.0013	mg/L	0.00015	-0.0013	mg/L	0.00015	11.87%
Cobalt,7440-48-4†	54.8	0.0003	mg/L	0.00019	0.0003	mg/L	0.00019	57.61%
Copper,7440-50-8†	1173.1	0.0042	mg/L	0.00047	0.0042	mg/L	0.00047	11.11%
Iron,7439-89-6†	12.1	0.0367	mg/L	0.01093	0.0367	mg/L	0.01093	29.82%
Lead,7439-92-1†	-24.7	-0.0025	mg/L	0.00086	-0.0025	mg/L	0.00086	34.39%
Lithium,7439-93-2†	-14.6	-0.0002	mg/L	0.00021	-0.0002	mg/L	0.00021	109.42%
Magnesium,7439-95-4†	8.1	0.1180	mg/L	0.02681	0.1180	mg/L	0.02681	22.72%
Manganese,7439-96-5†	-1335.3	-0.0018	mg/L	0.00013	-0.0018	mg/L	0.00013	7.18%
Molybdenum,7439-98-7†	6854.9	0.5115	mg/L	0.00886	0.5115	mg/L	0.00886	1.73%

QC value within limits for Molybdenum,7439-98-7 Recovery = 102.29%

Nickel,7440-02-0†	10.2	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	79.50%
Potassium,7440-09-7†	124.0	0.0378	mg/L	0.00731	0.0378	mg/L	0.00731	19.32%
Selenium,7782-49-2†	-8.7	-0.0088	mg/L	0.00328	-0.0088	mg/L	0.00328	37.16%
Silver,7440-22-4†	479.9	0.0019	mg/L	0.00034	0.0019	mg/L	0.00034	18.01%
Sodium,7440-23-5†	-144.3	-0.0208	mg/L	0.00608	-0.0208	mg/L	0.00608	29.31%
Strontium,7440-24-6†	-62.6	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	16.94%
Thallium,7440-28-0†	-2.4	-0.0039	mg/L	0.00220	-0.0039	mg/L	0.00220	56.47%
Tin,7440-31-5†	1778.4	0.5051	mg/L	0.00692	0.5051	mg/L	0.00692	1.37%

QC value within limits for Tin,7440-31-5 Recovery = 101.01%

Titanium,7440-32-6†	264348.6	0.5028	mg/L	0.01104	0.5028	mg/L	0.01104	2.20%

QC value within limits for Titanium,7440-32-6 Recovery = 100.56%

Vanadium,7440-62-2†	-2143.5	-0.0130	mg/L	0.00050	-0.0130	mg/L	0.00050	3.88%
Zinc,7440-66-6†	-793.2	-0.0119	mg/L	0.00017	-0.0119	mg/L	0.00017	1.47%

Zirconium,7440-67-7† 203983.7 0.5472 mg/L 0.00727 0.5472 mg/L 0.00727 1.33%
All analytes passed QC.

Sequence No.: 13
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 15:23:40
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67936.8	97.507	%	0.1073				0.11%
Ar 420.067 R	1556614.3	102.03	%	0.330				0.32%
Scandium-IS	4318845.5	109.96	%	2.100				1.91%
Yttrium,7440-65-5A	2280694.8	110.02	%	2.102				1.91%
Yttrium,7440-65-5R	81620.4	110.74	%	0.253				0.23%
Aluminum,7429-90-5†	2.4	0.0102	mg/L	0.00237	0.0102	mg/L	0.00237	23.17%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	10.8	0.0064	mg/L	0.00445	0.0064	mg/L	0.00445	69.88%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	1.9	0.0022	mg/L	0.00371	0.0022	mg/L	0.00371	166.15%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	16.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	65.35%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	422.9	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	23.76%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	840.2	0.0353	mg/L	0.00004	0.0353	mg/L	0.00004	0.13%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-2.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	356.49%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-13.8	-0.0102	mg/L	0.00198	-0.0102	mg/L	0.00198	19.46%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-66.7	-0.0007	mg/L	0.00043	-0.0007	mg/L	0.00043	60.29%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	17.8	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	23.00%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	2216.8	0.0083	mg/L	0.00143	0.0083	mg/L	0.00143	17.10%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	13.2	0.0398	mg/L	0.01222	0.0398	mg/L	0.01222	30.70%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	16.4	0.0016	mg/L	0.00101	0.0016	mg/L	0.00101	63.22%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	115.1	0.0015	mg/L	0.00033	0.0015	mg/L	0.00033	21.65%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	6.4	0.0916	mg/L	0.05184	0.0916	mg/L	0.05184	56.63%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-548.0	-0.0008	mg/L	0.00002	-0.0008	mg/L	0.00002	3.04%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	37.4	0.0028	mg/L	0.00059	0.0028	mg/L	0.00059	21.04%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-1.6	0.0000	mg/L	0.00042	0.0000	mg/L	0.00042	>999.9%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	32.1	0.0099	mg/L	0.01356	0.0099	mg/L	0.01356	136.58%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-8.4	-0.0085	mg/L	0.00059	-0.0085	mg/L	0.00059	6.94%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silver,7440-22-4†	43.1	0.0002	mg/L	0.00035	0.0002	mg/L	0.00035	204.24%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-189.8	-0.0273	mg/L	0.01242	-0.0273	mg/L	0.01242	45.58%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-44.3	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	33.98%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	0.5	0.0007	mg/L	0.00339	0.0007	mg/L	0.00339	464.87%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	2.6	0.0007	mg/L	0.00044	0.0007	mg/L	0.00044	61.32%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-279.1	-0.0005	mg/L	0.00025	-0.0005	mg/L	0.00025	47.10%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-275.4	-0.0017	mg/L	0.00122	-0.0017	mg/L	0.00122	71.68%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -469.7 -0.0075 mg/L 0.00051 -0.0075 mg/L 0.00051 6.79%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 66.9 0.0002 mg/L 0.00038 0.0002 mg/L 0.00038 211.81%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Retry.

Sequence No.: 14
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 15:28:43
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Analysis Begun

Start Time: 08/31/2003 15:29:55
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 08/31/2003 13:44:09
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\sw846.sif
Results Data Set: 2030831 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 15
Sample ID: 115949
Analyst:
Nebulizer Back Pressure: 161.0 kPa
Sample Wt: 0.25 g
Dilution: 1X

Autosampler Location: 17
Date Collected: 08/31/2003 15:29:55
Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 20 mL
Data Type: Original

Thallium,7440-28-0†	640.6	1.0253 mg/L	0.00567	10.253 mg/L	0.0567	0.55%
Tin,7440-31-5†	3778.1	1.0723 mg/L	0.00157	10.723 mg/L	0.0157	0.15%
Titanium,7440-32-6†	512339.8	0.9745 mg/L	0.00412	9.7451 mg/L	0.04119	0.42%
Vanadium,7440-62-2†	155903.9	0.9614 mg/L	0.00331	9.6139 mg/L	0.03311	0.34%
Zinc,7440-66-6†	69010.4	1.0895 mg/L	0.00372	10.895 mg/L	0.0372	0.34%
Zirconium,7440-67-7†	397981.3	1.0675 mg/L	0.00426	10.675 mg/L	0.0426	0.40%

Sequence No.: 37
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 08/31/2003 20:06:24
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67148.9	96.376	%	0.0531				0.06%
Ar 420.067 R	1648272.2	108.03	%	0.081				0.08%
Scandium-IS	5366183.6	136.62	%	0.855				0.63%
Yttrium,7440-65-5A	2802272.4	135.18	%	0.827				0.61%
Yttrium,7440-65-5R	103465.1	140.37	%	1.682				1.20%
Aluminum,7429-90-5†	1091.7	4.5405	mg/L	0.06116	4.5405	mg/L	0.06116	1.35%
QC value within limits for Aluminum,7429-90-5 Recovery = 90.81%								
Antimony,7440-36-0†	20.1	-0.0004	mg/L	0.00070	-0.0004	mg/L	0.00070	160.41%
Arsenic,7440-38-2†	455.4	0.5693	mg/L	0.00108	0.5693	mg/L	0.00108	0.19%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 113.86%								
Barium,7440-39-3†	55768.4	0.4965	mg/L	0.00445	0.4965	mg/L	0.00445	0.90%
QC value within limits for Barium,7440-39-3 Recovery = 99.30%								
Beryllium,7440-41-7†	1478779.4	0.4858	mg/L	0.00178	0.4858	mg/L	0.00178	0.37%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.16%								
Boron,7440-42-8†	2357.9	0.0976	mg/L	0.00402	0.0976	mg/L	0.00402	4.12%
Cadmium,7440-43-9†	57231.9	0.5396	mg/L	0.00431	0.5396	mg/L	0.00431	0.80%
QC value within limits for Cadmium,7440-43-9 Recovery = 107.92%								
Calcium,7440-70-2†	6393.3	4.7078	mg/L	0.06737	4.7078	mg/L	0.06737	1.43%
QC value within limits for Calcium,7440-70-2 Recovery = 94.16%								
Chromium,7440-47-3†	45412.7	0.4827	mg/L	0.00411	0.4827	mg/L	0.00411	0.85%
QC value within limits for Chromium,7440-47-3 Recovery = 96.55%								
Cobalt,7440-48-4†	20279.1	0.5102	mg/L	0.00465	0.5102	mg/L	0.00465	0.91%
QC value within limits for Cobalt,7440-48-4 Recovery = 102.04%								
Copper,7440-50-8†	128951.2	0.4849	mg/L	0.00430	0.4849	mg/L	0.00430	0.89%
QC value within limits for Copper,7440-50-8 Recovery = 96.98%								
Iron,7439-89-6†	1527.7	4.5943	mg/L	0.06405	4.5943	mg/L	0.06405	1.39%
QC value within limits for Iron,7439-89-6 Recovery = 91.89%								
Lead,7439-92-1†	5469.3	0.5364	mg/L	0.00189	0.5364	mg/L	0.00189	0.35%
QC value within limits for Lead,7439-92-1 Recovery = 107.29%								
Lithium,7439-93-2†	36689.8	0.4787	mg/L	0.00159	0.4787	mg/L	0.00159	0.33%
QC value within limits for Lithium,7439-93-2 Recovery = 95.75%								
Magnesium,7439-95-4†	348.4	4.9931	mg/L	0.02205	4.9931	mg/L	0.02205	0.44%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.86%								
Manganese,7439-96-5†	347739.2	0.4898	mg/L	0.00459	0.4898	mg/L	0.00459	0.94%
QC value within limits for Manganese,7439-96-5 Recovery = 97.97%								
Molybdenum,7439-98-7†	46.4	0.0034	mg/L	0.00094	0.0034	mg/L	0.00094	27.26%
Nickel,7440-02-0†	21000.7	0.5068	mg/L	0.00495	0.5068	mg/L	0.00495	0.98%
QC value within limits for Nickel,7440-02-0 Recovery = 101.37%								
Potassium,7440-09-7†	31088.2	9.6130	mg/L	0.04289	9.6130	mg/L	0.04289	0.45%
QC value within limits for Potassium,7440-09-7 Recovery = 96.13%								
Selenium,7782-49-2†	542.1	0.5474	mg/L	0.00280	0.5474	mg/L	0.00280	0.51%
QC value within limits for Selenium,7782-49-2 Recovery = 109.48%								
Silver,7440-22-4†	119219.1	0.4675	mg/L	0.00379	0.4675	mg/L	0.00379	0.81%
QC value within limits for Silver,7440-22-4 Recovery = 93.50%								
Sodium,7440-23-5†	129827.9	18.632	mg/L	0.2976	18.632	mg/L	0.2976	1.60%
QC value within limits for Sodium,7440-23-5 Recovery = 93.16%								
Strontium,7440-24-6†	181038.2	0.4969	mg/L	0.00508	0.4969	mg/L	0.00508	1.02%
QC value within limits for Strontium,7440-24-6 Recovery = 99.39%								
Thallium,7440-28-0†	325.2	0.5205	mg/L	0.00880	0.5205	mg/L	0.00880	1.69%
QC value within limits for Thallium,7440-28-0 Recovery = 104.10%								
Tin,7440-31-5†	-2.5	-0.0005	mg/L	0.00048	-0.0005	mg/L	0.00048	90.41%
Titanium,7440-32-6†	5.1	0.0000	mg/L	0.00039	0.0000	mg/L	0.00039	>999.9%
Vanadium,7440-62-2†	76491.7	0.4715	mg/L	0.00471	0.4715	mg/L	0.00471	1.00%
QC value within limits for Vanadium,7440-62-2 Recovery = 94.30%								

Zinc,7440-66-6†	33478.9	0.5279 mg/L	0.00521	0.5279 mg/L	0.00521	0.99%
QC value within limits for Zinc,7440-66-6 Recovery = 105.58%						
Zirconium,7440-67-7†	157167.4	0.4216 mg/L	0.00527	0.4216 mg/L	0.00527	1.25%
QC value less than the lower limit for Zirconium,7440-67-7 Recovery = 84.32%						

QC Failed. Continue with analysis.

Sequence No.: 38
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 08/31/2003 20:13:44
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67283.7	96.570	%	0.4876				0.50%
Ar 420.067 R	1629908.2	106.83	%	0.108				0.10%
Scandium-IS	5432867.5	138.32	%	1.583				1.14%
Yttrium,7440-65-5A	2849947.1	137.48	%	1.575				1.15%
Yttrium,7440-65-5R	103446.3	140.35	%	1.186				0.84%
Aluminum,7429-90-5†	16.2	0.0667	mg/L	0.01281	0.0667	mg/L	0.01281	19.20%
Antimony,7440-36-0†	889.4	0.5250	mg/L	0.00789	0.5250	mg/L	0.00789	1.50%
QC value within limits for Antimony,7440-36-0 Recovery = 105.00%								
Arsenic,7440-38-2†	2.8	0.0030	mg/L	0.00198	0.0030	mg/L	0.00198	65.75%
Barium,7440-39-3†	-40.1	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	16.62%
Beryllium,7440-41-7†	2027.7	0.0006	mg/L	0.00001	0.0006	mg/L	0.00001	1.78%
Boron,7440-42-8†	59634.9	2.5050	mg/L	0.02605	2.5050	mg/L	0.02605	1.04%
QC value within limits for Boron,7440-42-8 Recovery = 100.20%								
Cadmium,7440-43-9†	-12.6	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	30.01%
Calcium,7440-70-2†	-40.3	-0.0332	mg/L	0.00329	-0.0332	mg/L	0.00329	9.91%
Chromium,7440-47-3†	-295.4	-0.0032	mg/L	0.00030	-0.0032	mg/L	0.00030	9.49%
Cobalt,7440-48-4†	64.5	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	27.94%
Copper,7440-50-8†	-1116.5	-0.0044	mg/L	0.00011	-0.0044	mg/L	0.00011	2.63%
Iron,7439-89-6†	20.8	0.0629	mg/L	0.01257	0.0629	mg/L	0.01257	19.97%
Lead,7439-92-1†	-46.8	-0.0047	mg/L	0.00065	-0.0047	mg/L	0.00065	14.00%
Lithium,7439-93-2†	-195.3	-0.0025	mg/L	0.00056	-0.0025	mg/L	0.00056	22.03%
Magnesium,7439-95-4†	4.9	0.0724	mg/L	0.05275	0.0724	mg/L	0.05275	72.81%
Manganese,7439-96-5†	-1144.2	-0.0016	mg/L	0.00004	-0.0016	mg/L	0.00004	2.34%
Molybdenum,7439-98-7†	7273.4	0.5427	mg/L	0.00628	0.5427	mg/L	0.00628	1.16%
QC value within limits for Molybdenum,7439-98-7 Recovery = 108.54%								
Nickel,7440-02-0†	14.8	0.0003	mg/L	0.00031	0.0003	mg/L	0.00031	93.47%
Potassium,7440-09-7†	495.8	0.1528	mg/L	0.01330	0.1528	mg/L	0.01330	8.70%
Selenium,7782-49-2†	-12.5	-0.0126	mg/L	0.00200	-0.0126	mg/L	0.00200	15.82%
Silver,7440-22-4†	256.8	0.0010	mg/L	0.00034	0.0010	mg/L	0.00034	33.74%
Sodium,7440-23-5†	375.0	0.0538	mg/L	0.00505	0.0538	mg/L	0.00505	9.39%
Strontium,7440-24-6†	-67.9	-0.0002	mg/L	0.00022	-0.0002	mg/L	0.00022	116.53%
Thallium,7440-28-0†	-2.0	-0.0032	mg/L	0.00290	-0.0032	mg/L	0.00290	92.01%
Tin,7440-31-5†	1844.8	0.5235	mg/L	0.00732	0.5235	mg/L	0.00732	1.40%
QC value within limits for Tin,7440-31-5 Recovery = 104.70%								
Titanium,7440-32-6†	253343.0	0.4819	mg/L	0.00017	0.4819	mg/L	0.00017	0.03%
QC value within limits for Titanium,7440-32-6 Recovery = 96.38%								
Vanadium,7440-62-2†	-2892.9	-0.0176	mg/L	0.00078	-0.0176	mg/L	0.00078	4.40%
Zinc,7440-66-6†	-777.5	-0.0117	mg/L	0.00012	-0.0117	mg/L	0.00012	1.01%
Zirconium,7440-67-7†	198773.3	0.5332	mg/L	0.00719	0.5332	mg/L	0.00719	1.35%

All analytes passed QC.

Sequence No.: 39
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 20:21:00
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67061.6	96.251	%	0.1463				0.15%
Ar 420.067 R	1646795.5	107.94	%	0.165				0.15%

```
Scandium-IS          5387110.9      137.16 %          0.600                                  0.44%
Yttrium,7440-65-5A   2832625.7      136.65 %          0.629                                  0.46%
Yttrium,7440-65-5R    101811.0      138.13 %          1.604                                  1.16%
Aluminum,7429-90-5†        8.6      0.0357 mg/L      0.00930      0.0357 mg/L      0.00930  26.03%
   QC value within limits for Aluminum,7429-90-5  Recovery = Not calculated
Antimony,7440-36-0†       -0.4     -0.0002 mg/L      0.00177     -0.0002 mg/L      0.00177 >999.9%
   QC value within limits for Antimony,7440-36-0  Recovery = Not calculated
Arsenic,7440-38-2†         2.9      0.0033 mg/L      0.00161      0.0033 mg/L      0.00161  49.31%
   QC value within limits for Arsenic,7440-38-2  Recovery = Not calculated
Barium,7440-39-3†         29.4      0.0003 mg/L      0.00007      0.0003 mg/L      0.00007  25.41%
   QC value within limits for Barium,7440-39-3  Recovery = Not calculated
Beryllium,7440-41-7†    1175.9      0.0004 mg/L      0.00002      0.0004 mg/L      0.00002   5.09%
   QC value within limits for Beryllium,7440-41-7  Recovery = Not calculated
Boron,7440-42-8†        2031.5      0.0853 mg/L      0.00171      0.0853 mg/L      0.00171   2.00%
   QC value within limits for Boron,7440-42-8  Recovery = Not calculated
Cadmium,7440-43-9†       -13.0     -0.0001 mg/L      0.00006     -0.0001 mg/L      0.00006  46.34%
   QC value within limits for Cadmium,7440-43-9  Recovery = Not calculated
Calcium,7440-70-2†       -31.5     -0.0232 mg/L      0.00282     -0.0232 mg/L      0.00282  12.14%
   QC value within limits for Calcium,7440-70-2  Recovery = Not calculated
Chromium,7440-47-3†     -323.3     -0.0034 mg/L      0.00010     -0.0034 mg/L      0.00010   2.82%
   QC value within limits for Chromium,7440-47-3  Recovery = Not calculated
Cobalt,7440-48-4†         28.4      0.0007 mg/L      0.00005      0.0007 mg/L      0.00005   7.51%
   QC value within limits for Cobalt,7440-48-4  Recovery = Not calculated
Copper,7440-50-8†      -1259.7     -0.0047 mg/L      0.00019     -0.0047 mg/L      0.00019   4.09%
   QC value within limits for Copper,7440-50-8  Recovery = Not calculated
Iron,7439-89-6†           24.7      0.0743 mg/L      0.00873      0.0743 mg/L      0.00873  11.74%
   QC value greater than the upper limit for Iron,7439-89-6  Recovery = Not calculated
Lead,7439-92-1†          -35.4     -0.0035 mg/L      0.00034     -0.0035 mg/L      0.00034   9.88%
   QC value within limits for Lead,7439-92-1  Recovery = Not calculated
Lithium,7439-93-2†       -23.4     -0.0003 mg/L      0.00078     -0.0003 mg/L      0.00078 254.26%
   QC value within limits for Lithium,7439-93-2  Recovery = Not calculated
Magnesium,7439-95-4†       6.8      0.0968 mg/L      0.03662      0.0968 mg/L      0.03662  37.82%
   QC value greater than the upper limit for Magnesium,7439-95-4  Recovery = Not calculated
Manganese,7439-96-5†    -742.3     -0.0010 mg/L      0.00003     -0.0010 mg/L      0.00003   2.98%
   QC value within limits for Manganese,7439-96-5  Recovery = Not calculated
Molybdenum,7439-98-7†      51.8      0.0039 mg/L      0.00057      0.0039 mg/L      0.00057  14.82%
   QC value within limits for Molybdenum,7439-98-7  Recovery = Not calculated
Nickel,7440-02-0†          19.6      0.0005 mg/L      0.00035      0.0005 mg/L      0.00035  74.67%
   QC value within limits for Nickel,7440-02-0  Recovery = Not calculated
Potassium,7440-09-7†      382.7      0.1184 mg/L      0.01413      0.1184 mg/L      0.01413  11.94%
   QC value within limits for Potassium,7440-09-7  Recovery = Not calculated
Selenium,7782-49-2†       -11.1     -0.0112 mg/L      0.00420     -0.0112 mg/L      0.00420  37.66%
   QC value within limits for Selenium,7782-49-2  Recovery = Not calculated
Silver,7440-22-4†         -477.4     -0.0019 mg/L      0.00043     -0.0019 mg/L      0.00043  23.18%
   QC value within limits for Silver,7440-22-4  Recovery = Not calculated
Sodium,7440-23-5†         629.8      0.0904 mg/L      0.00939      0.0904 mg/L      0.00939  10.39%
   QC value within limits for Sodium,7440-23-5  Recovery = Not calculated
Strontium,7440-24-6†      -59.0     -0.0002 mg/L      0.00018     -0.0002 mg/L      0.00018 109.45%
   QC value within limits for Strontium,7440-24-6  Recovery = Not calculated
Thallium,7440-28-0†        1.6      0.0026 mg/L      0.00287      0.0026 mg/L      0.00287 110.74%
   QC value within limits for Thallium,7440-28-0  Recovery = Not calculated
Tin,7440-31-5†             2.2      0.0006 mg/L      0.00129      0.0006 mg/L      0.00129 208.88%
   QC value within limits for Tin,7440-31-5  Recovery = Not calculated
Titanium,7440-32-6†      -748.4     -0.0014 mg/L      0.00031     -0.0014 mg/L      0.00031  21.45%
   QC value within limits for Titanium,7440-32-6  Recovery = Not calculated
Vanadium,7440-62-2†     -1234.4     -0.0076 mg/L      0.00031     -0.0076 mg/L      0.00031   4.05%
   QC value within limits for Vanadium,7440-62-2  Recovery = Not calculated
Zinc,7440-66-6†         -733.9     -0.0117 mg/L      0.00007     -0.0117 mg/L      0.00007   0.57%
   QC value within limits for Zinc,7440-66-6  Recovery = Not calculated
Zirconium,7440-67-7†    -121.7     -0.0003 mg/L      0.00013     -0.0003 mg/L      0.00013  40.88%
   QC value within limits for Zirconium,7440-67-7  Recovery = Not calculated
QC Failed.  Continue with analysis.
```

Sequence No.: 40
Sample ID: 117103
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 47
Date Collected: 08/31/2003 20:28:10

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117103

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66855.7	95.955	%	0.0798				0.08%
Ar 420.067 R	1620184.8	106.19	%	0.209				0.20%
Scandium-IS	5390923.7	137.25	%	0.928				0.68%
Yttrium,7440-65-5A	2831405.3	136.59	%	0.842				0.62%
Yttrium,7440-65-5R	101444.7	137.63	%	1.451				1.05%
Aluminum,7429-90-5†	9.5	0.0395	mg/L	0.00624	0.0395	mg/L	0.00624	15.81%
Antimony,7440-36-0†	0.5	0.0003	mg/L	0.00154	0.0003	mg/L	0.00154	444.26%
Arsenic,7440-38-2†	2.1	0.0023	mg/L	0.00352	0.0023	mg/L	0.00352	150.63%
Barium,7440-39-3†	10.3	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	38.06%
Beryllium,7440-41-7†	1082.4	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	11.08%
Boron,7440-42-8†	1645.5	0.0691	mg/L	0.00134	0.0691	mg/L	0.00134	1.94%
Cadmium,7440-43-9†	-14.7	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	25.57%
Calcium,7440-70-2†	-51.9	-0.0382	mg/L	0.00079	-0.0382	mg/L	0.00079	2.07%
Chromium,7440-47-3†	-318.9	-0.0034	mg/L	0.00027	-0.0034	mg/L	0.00027	7.98%
Cobalt,7440-48-4†	19.9	0.0005	mg/L	0.00019	0.0005	mg/L	0.00019	37.09%
Copper,7440-50-8†	-1247.3	-0.0047	mg/L	0.00023	-0.0047	mg/L	0.00023	4.97%
Iron,7439-89-6†	22.3	0.0669	mg/L	0.00663	0.0669	mg/L	0.00663	9.90%
Lead,7439-92-1†	-30.0	-0.0029	mg/L	0.00050	-0.0029	mg/L	0.00050	17.14%
Lithium,7439-93-2†	-8.0	-0.0001	mg/L	0.00062	-0.0001	mg/L	0.00062	595.41%
Magnesium,7439-95-4†	5.5	0.0793	mg/L	0.04854	0.0793	mg/L	0.04854	61.23%
Manganese,7439-96-5†	-1250.2	-0.0018	mg/L	0.00003	-0.0018	mg/L	0.00003	1.53%
Molybdenum,7439-98-7†	28.5	0.0021	mg/L	0.00034	0.0021	mg/L	0.00034	15.93%
Nickel,7440-02-0†	17.0	0.0004	mg/L	0.00040	0.0004	mg/L	0.00040	96.94%
Potassium,7440-09-7†	329.4	0.1019	mg/L	0.01462	0.1019	mg/L	0.01462	14.35%
Selenium,7782-49-2†	-7.3	-0.0074	mg/L	0.00453	-0.0074	mg/L	0.00453	61.20%
Silver,7440-22-4†	-633.7	-0.0025	mg/L	0.00006	-0.0025	mg/L	0.00006	2.35%
Sodium,7440-23-5†	525.3	0.0754	mg/L	0.01522	0.0754	mg/L	0.01522	20.20%
Strontium,7440-24-6†	-94.5	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	40.23%
Thallium,7440-28-0†	0.5	0.0007	mg/L	0.00188	0.0007	mg/L	0.00188	256.17%
Tin,7440-31-5†	-0.3	-0.0001	mg/L	0.00073	-0.0001	mg/L	0.00073	798.82%
Titanium,7440-32-6†	-690.0	-0.0013	mg/L	0.00008	-0.0013	mg/L	0.00008	6.44%
Vanadium,7440-62-2†	-1287.5	-0.0079	mg/L	0.00060	-0.0079	mg/L	0.00060	7.60%
Zinc,7440-66-6†	-1120.4	-0.0178	mg/L	0.00007	-0.0178	mg/L	0.00007	0.41%
Zirconium,7440-67-7†	37.3	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	115.58%

Sequence No.: 41
Sample ID: 117104
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 48
Date Collected: 08/31/2003 20:35:21
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117104

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66198.7	95.012	%	0.2040				0.21%
Ar 420.067 R	1618360.2	106.07	%	0.055				0.05%
Scandium-IS	5379279.8	136.96	%	0.411				0.30%
Yttrium,7440-65-5A	2794613.2	134.81	%	0.928				0.69%
Yttrium,7440-65-5R	102255.5	138.73	%	3.462				2.50%
Aluminum,7429-90-5†	2319.7	9.6460	mg/L	0.23998	9.6460	mg/L	0.23998	2.49%
Antimony,7440-36-0†	1971.9	1.1382	mg/L	0.00946	1.1382	mg/L	0.00946	0.83%
Arsenic,7440-38-2†	959.2	1.1989	mg/L	0.01372	1.1989	mg/L	0.01372	1.14%
Barium,7440-39-3†	115943.8	1.0322	mg/L	0.00315	1.0322	mg/L	0.00315	0.31%
Beryllium,7440-41-7†	3130701.2	1.0283	mg/L	0.00864	1.0283	mg/L	0.00864	0.84%
Boron,7440-42-8†	125727.8	5.2782	mg/L	0.03791	5.2782	mg/L	0.03791	0.72%
Cadmium,7440-43-9†	118254.7	1.1149	mg/L	0.00359	1.1149	mg/L	0.00359	0.32%
Calcium,7440-70-2†	13838.1	10.183	mg/L	0.1063	10.183	mg/L	0.1063	1.04%
Chromium,7440-47-3†	94785.2	1.0075	mg/L	0.00378	1.0075	mg/L	0.00378	0.38%
Cobalt,7440-48-4†	42158.1	1.0586	mg/L	0.00158	1.0586	mg/L	0.00158	0.15%
Copper,7440-50-8†	279232.4	1.0497	mg/L	0.00388	1.0497	mg/L	0.00388	0.37%
Iron,7439-89-6†	3275.8	9.8522	mg/L	0.25854	9.8522	mg/L	0.25854	2.62%
Lead,7439-92-1†	11121.5	1.0906	mg/L	0.01055	1.0906	mg/L	0.01055	0.97%
Lithium,7439-93-2†	76227.6	0.9947	mg/L	0.00396	0.9947	mg/L	0.00396	0.40%
Magnesium,7439-95-4†	740.2	10.611	mg/L	0.0656	10.611	mg/L	0.0656	0.62%
Manganese,7439-96-5†	720106.3	1.0144	mg/L	0.00275	1.0144	mg/L	0.00275	0.27%
Molybdenum,7439-98-7†	15140.5	1.1296	mg/L	0.00981	1.1296	mg/L	0.00981	0.87%
Nickel,7440-02-0†	43745.5	1.0557	mg/L	0.00539	1.0557	mg/L	0.00539	0.51%
Potassium,7440-09-7†	63822.3	19.734	mg/L	0.0601	19.734	mg/L	0.0601	0.30%

Selenium,7782-49-2†	1166.3	1.1776 mg/L	0.01007	1.1776 mg/L	0.01007	0.86%
Silver,7440-22-4†	253864.7	0.9955 mg/L	0.00473	0.9955 mg/L	0.00473	0.47%
Sodium,7440-23-5†	266693.5	38.275 mg/L	1.3931	38.275 mg/L	1.3931	3.64%
Strontium,7440-24-6†	371221.4	1.0190 mg/L	0.01602	1.0190 mg/L	0.01602	1.57%
Thallium,7440-28-0†	665.1	1.0646 mg/L	0.00662	1.0646 mg/L	0.00662	0.62%
Tin,7440-31-5†	3912.2	1.1104 mg/L	0.00800	1.1104 mg/L	0.00800	0.72%
Titanium,7440-32-6†	531837.6	1.0116 mg/L	0.00353	1.0116 mg/L	0.00353	0.35%
Vanadium,7440-62-2†	159642.9	0.9845 mg/L	0.00436	0.9845 mg/L	0.00436	0.44%
Zinc,7440-66-6†	68254.0	1.0775 mg/L	0.00493	1.0775 mg/L	0.00493	0.46%
Zirconium,7440-67-7†	411383.7	1.1034 mg/L	0.00292	1.1034 mg/L	0.00292	0.26%

Sequence No.: 42
Sample ID: 20308290301
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 49
Date Collected: 08/31/2003 20:42:49
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290301

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66302.4	95.161	%	0.3194				0.34%
Ar 420.067 R	1611157.1	105.60	%	0.035				0.03%
Scandium-IS	5446054.1	138.66	%	0.827				0.60%
Yttrium,7440-65-5A	2853609.2	137.66	%	0.776				0.56%
Yttrium,7440-65-5R	104321.1	141.53	%	1.506				1.06%
Aluminum,7429-90-5†	22.3	0.0929	mg/L	0.02549	0.0929	mg/L	0.02549	27.42%
Antimony,7440-36-0†	96.4	0.0569	mg/L	0.00116	0.0569	mg/L	0.00116	2.04%
Arsenic,7440-38-2†	26.7	0.0323	mg/L	0.00076	0.0323	mg/L	0.00076	2.34%
Barium,7440-39-3†	443.0	0.0039	mg/L	0.00005	0.0039	mg/L	0.00005	1.28%
Beryllium,7440-41-7†	1381.3	0.0005	mg/L	0.00003	0.0005	mg/L	0.00003	5.89%
Boron,7440-42-8†	3123.7	0.1312	mg/L	0.00547	0.1312	mg/L	0.00547	4.17%
Cadmium,7440-43-9†	-11.8	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	15.04%
Calcium,7440-70-2†	7471.2	5.5037	mg/L	0.05605	5.5037	mg/L	0.05605	1.02%
Chromium,7440-47-3†	-285.5	-0.0030	mg/L	0.00036	-0.0030	mg/L	0.00036	11.72%
Cobalt,7440-48-4†	26.9	0.0007	mg/L	0.00014	0.0007	mg/L	0.00014	21.02%
Copper,7440-50-8†	-897.8	-0.0033	mg/L	0.00010	-0.0033	mg/L	0.00010	3.07%
Iron,7439-89-6†	60.5	0.1822	mg/L	0.00507	0.1822	mg/L	0.00507	2.78%
Lead,7439-92-1†	19719.6	1.9341	mg/L	0.01254	1.9341	mg/L	0.01254	0.65%
Lithium,7439-93-2†	87.9	0.0011	mg/L	0.00035	0.0011	mg/L	0.00035	30.68%
Magnesium,7439-95-4†	51.5	0.7377	mg/L	0.02071	0.7377	mg/L	0.02071	2.81%
Manganese,7439-96-5†	3410.1	0.0048	mg/L	0.00006	0.0048	mg/L	0.00006	1.33%
Molybdenum,7439-98-7†	55.3	0.0041	mg/L	0.00057	0.0041	mg/L	0.00057	13.96%
Nickel,7440-02-0†	28.1	0.0007	mg/L	0.00023	0.0007	mg/L	0.00023	34.20%
Potassium,7440-09-7†	2855.6	0.8828	mg/L	0.03369	0.8828	mg/L	0.03369	3.82%
Selenium,7782-49-2†	-9.5	-0.0096	mg/L	0.00486	-0.0096	mg/L	0.00486	50.61%
Silver,7440-22-4†	-605.6	-0.0024	mg/L	0.00017	-0.0024	mg/L	0.00017	7.26%
Sodium,7440-23-5†	18208.4	2.6130	mg/L	0.01667	2.6130	mg/L	0.01667	0.64%
Strontium,7440-24-6†	2897.4	0.0078	mg/L	0.00019	0.0078	mg/L	0.00019	2.39%
Thallium,7440-28-0†	-0.6	-0.0010	mg/L	0.00506	-0.0010	mg/L	0.00506	529.70%
Tin,7440-31-5†	3.6	0.0009	mg/L	0.00003	0.0009	mg/L	0.00003	3.11%
Titanium,7440-32-6†	-260.3	-0.0005	mg/L	0.00011	-0.0005	mg/L	0.00011	21.73%
Vanadium,7440-62-2†	-1268.3	-0.0078	mg/L	0.00030	-0.0078	mg/L	0.00030	3.87%
Zinc,7440-66-6†	-707.0	-0.0115	mg/L	0.00010	-0.0115	mg/L	0.00010	0.88%
Zirconium,7440-67-7†	494.2	0.0013	mg/L	0.00036	0.0013	mg/L	0.00036	27.43%

Sequence No.: 43
Sample ID: 20308290302
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 50
Date Collected: 08/31/2003 20:50:01
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290302

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66079.1	94.841	%	0.4665				0.49%
Ar 420.067 R	1629772.7	106.82	%	0.352				0.33%
Scandium-IS	5305730.4	135.08	%	1.140				0.84%

Yttrium,7440-65-5A	2769352.9	133.59 %	1.134			0.85%
Yttrium,7440-65-5R	103618.1	140.58 %	0.469			0.33%
Aluminum,7429-90-5†	2029.1	8.4374 mg/L	0.02881	8.4374 mg/L	0.02881	0.34%
Antimony,7440-36-0†	1930.1	1.1161 mg/L	0.01383	1.1161 mg/L	0.01383	1.24%
Arsenic,7440-38-2†	908.2	1.1335 mg/L	0.01304	1.1335 mg/L	0.01304	1.15%
Barium,7440-39-3†	105362.3	0.9380 mg/L	0.01285	0.9380 mg/L	0.01285	1.37%
Beryllium,7440-41-7†	2819354.4	0.9260 mg/L	0.01800	0.9260 mg/L	0.01800	1.94%
Boron,7440-42-8†	117724.5	4.9425 mg/L	0.06549	4.9425 mg/L	0.06549	1.33%
Cadmium,7440-43-9†	107542.8	1.0140 mg/L	0.01448	1.0140 mg/L	0.01448	1.43%
Calcium,7440-70-2†	19079.9	14.045 mg/L	0.0617	14.045 mg/L	0.0617	0.44%
Chromium,7440-47-3†	85268.0	0.9063 mg/L	0.01256	0.9063 mg/L	0.01256	1.39%
Cobalt,7440-48-4†	38250.0	0.9604 mg/L	0.01470	0.9604 mg/L	0.01470	1.53%
Copper,7440-50-8†	252382.3	0.9486 mg/L	0.01336	0.9486 mg/L	0.01336	1.41%
Iron,7439-89-6†	2832.8	8.5204 mg/L	0.02463	8.5204 mg/L	0.02463	0.29%
Lead,7439-92-1†	29852.6	2.9277 mg/L	0.03590	2.9277 mg/L	0.03590	1.23%
Lithium,7439-93-2†	69605.0	0.9082 mg/L	0.00515	0.9082 mg/L	0.00515	0.57%
Magnesium,7439-95-4†	688.0	9.8621 mg/L	0.11585	9.8621 mg/L	0.11585	1.17%
Manganese,7439-96-5†	656459.9	0.9248 mg/L	0.01479	0.9248 mg/L	0.01479	1.60%
Molybdenum,7439-98-7†	13979.5	1.0430 mg/L	0.01161	1.0430 mg/L	0.01161	1.11%
Nickel,7440-02-0†	39513.6	0.9536 mg/L	0.01348	0.9536 mg/L	0.01348	1.41%
Potassium,7440-09-7†	59987.4	18.548 mg/L	0.1012	18.548 mg/L	0.1012	0.55%
Selenium,7782-49-2†	1083.0	1.0935 mg/L	0.01358	1.0935 mg/L	0.01358	1.24%
Silver,7440-22-4†	233712.5	0.9164 mg/L	0.01214	0.9164 mg/L	0.01214	1.32%
Sodium,7440-23-5†	255732.8	36.702 mg/L	0.2364	36.702 mg/L	0.2364	0.64%
Strontium,7440-24-6†	338264.5	0.9284 mg/L	0.01793	0.9284 mg/L	0.01793	1.93%
Thallium,7440-28-0†	619.3	0.9913 mg/L	0.00261	0.9913 mg/L	0.00261	0.26%
Tin,7440-31-5†	3607.7	1.0238 mg/L	0.01177	1.0238 mg/L	0.01177	1.15%
Titanium,7440-32-6†	486312.4	0.9250 mg/L	0.01565	0.9250 mg/L	0.01565	1.69%
Vanadium,7440-62-2†	143814.6	0.8869 mg/L	0.01315	0.8869 mg/L	0.01315	1.48%
Zinc,7440-66-6†	62127.2	0.9807 mg/L	0.01420	0.9807 mg/L	0.01420	1.45%
Zirconium,7440-67-7†	372426.3	0.9989 mg/L	0.01446	0.9989 mg/L	0.01446	1.45%

Sequence No.: 44
Sample ID: 20308290303
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 51
Date Collected: 08/31/2003 20:57:20
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290303

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66211.2	95.030	%	0.1832				0.19%
Ar 420.067 R	1607133.8	105.34	%	0.101				0.10%
Scandium-IS	5353666.8	136.31	%	1.576				1.16%
Yttrium,7440-65-5A	2773153.3	133.78	%	0.833				0.62%
Yttrium,7440-65-5R	105220.0	142.75	%	2.355				1.65%
Aluminum,7429-90-5†	2201.1	9.1527	mg/L	0.14908	9.1527	mg/L	0.14908	1.63%
Antimony,7440-36-0†	2022.8	1.1692	mg/L	0.01396	1.1692	mg/L	0.01396	1.19%
Arsenic,7440-38-2†	955.0	1.1925	mg/L	0.01390	1.1925	mg/L	0.01390	1.17%
Barium,7440-39-3†	111831.6	0.9956	mg/L	0.00399	0.9956	mg/L	0.00399	0.40%
Beryllium,7440-41-7†	3015660.7	0.9905	mg/L	0.01154	0.9905	mg/L	0.01154	1.16%
Boron,7440-42-8†	124638.2	5.2326	mg/L	0.02546	5.2326	mg/L	0.02546	0.49%
Cadmium,7440-43-9†	113403.3	1.0692	mg/L	0.00378	1.0692	mg/L	0.00378	0.35%
Calcium,7440-70-2†	20941.4	15.416	mg/L	0.0600	15.416	mg/L	0.0600	0.39%
Chromium,7440-47-3†	91050.8	0.9678	mg/L	0.00376	0.9678	mg/L	0.00376	0.39%
Cobalt,7440-48-4†	40561.6	1.0185	mg/L	0.00253	1.0185	mg/L	0.00253	0.25%
Copper,7440-50-8†	270799.6	1.0180	mg/L	0.00221	1.0180	mg/L	0.00221	0.22%
Iron,7439-89-6†	3167.4	9.5264	mg/L	0.17867	9.5264	mg/L	0.17867	1.88%
Lead,7439-92-1†	31413.4	3.0808	mg/L	0.00638	3.0808	mg/L	0.00638	0.21%
Lithium,7439-93-2†	70755.5	0.9233	mg/L	0.00368	0.9233	mg/L	0.00368	0.40%
Magnesium,7439-95-4†	777.6	11.147	mg/L	0.1088	11.147	mg/L	0.1088	0.98%
Manganese,7439-96-5†	695953.5	0.9804	mg/L	0.00288	0.9804	mg/L	0.00288	0.29%
Molybdenum,7439-98-7†	14702.0	1.0969	mg/L	0.01143	1.0969	mg/L	0.01143	1.04%
Nickel,7440-02-0†	42008.0	1.0138	mg/L	0.00420	1.0138	mg/L	0.00420	0.41%
Potassium,7440-09-7†	62005.1	19.172	mg/L	0.0279	19.172	mg/L	0.0279	0.15%
Selenium,7782-49-2†	1124.6	1.1355	mg/L	0.01550	1.1355	mg/L	0.01550	1.37%
Silver,7440-22-4†	243542.0	0.9550	mg/L	0.00097	0.9550	mg/L	0.00097	0.10%
Sodium,7440-23-5†	266231.8	38.208	mg/L	0.7279	38.208	mg/L	0.7279	1.91%
Strontium,7440-24-6†	361886.3	0.9932	mg/L	0.01376	0.9932	mg/L	0.01376	1.38%
Thallium,7440-28-0†	639.0	1.0227	mg/L	0.01674	1.0227	mg/L	0.01674	1.64%

Tin,7440-31-5†	3791.8	1.0761 mg/L	0.01463	1.0761 mg/L	0.01463	1.36%
Titanium,7440-32-6†	515264.5	0.9801 mg/L	0.00293	0.9801 mg/L	0.00293	0.30%
Vanadium,7440-62-2†	153444.8	0.9462 mg/L	0.00347	0.9462 mg/L	0.00347	0.37%
Zinc,7440-66-6†	66090.7	1.0431 mg/L	0.00214	1.0431 mg/L	0.00214	0.21%
Zirconium,7440-67-7†	397051.8	1.0650 mg/L	0.00299	1.0650 mg/L	0.00299	0.28%

Sequence No.: 45
Sample ID: 117138
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 52
Date Collected: 08/31/2003 21:04:51

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117138

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65819.4	94.468	%	0.2156				0.23%
Ar 420.067 R	1607423.6	105.36	%	0.136				0.13%
Scandium-IS	5382716.6	137.04	%	0.581				0.42%
Yttrium,7440-65-5A	2799276.8	135.04	%	1.018				0.75%
Yttrium,7440-65-5R	105282.5	142.84	%	0.815				0.57%
Aluminum,7429-90-5†	2287.0	9.5100	mg/L	0.05951	9.5100	mg/L	0.05951	0.63%
Antimony,7440-36-0†	1979.6	1.1432	mg/L	0.00796	1.1432	mg/L	0.00796	0.70%
Arsenic,7440-38-2†	973.6	1.2159	mg/L	0.00936	1.2159	mg/L	0.00936	0.77%
Barium,7440-39-3†	114504.4	1.0194	mg/L	0.00816	1.0194	mg/L	0.00816	0.80%
Beryllium,7440-41-7†	3063898.9	1.0063	mg/L	0.00788	1.0063	mg/L	0.00788	0.78%
Boron,7440-42-8†	122992.2	5.1633	mg/L	0.04251	5.1633	mg/L	0.04251	0.82%
Cadmium,7440-43-9†	116078.7	1.0944	mg/L	0.00979	1.0944	mg/L	0.00979	0.89%
Calcium,7440-70-2†	20998.7	15.458	mg/L	0.1471	15.458	mg/L	0.1471	0.95%
Chromium,7440-47-3†	93080.1	0.9893	mg/L	0.01036	0.9893	mg/L	0.01036	1.05%
Cobalt,7440-48-4†	41531.5	1.0429	mg/L	0.00945	1.0429	mg/L	0.00945	0.91%
Copper,7440-50-8†	277335.0	1.0426	mg/L	0.01036	1.0426	mg/L	0.01036	0.99%
Iron,7439-89-6†	3297.9	9.9190	mg/L	0.11671	9.9190	mg/L	0.11671	1.18%
Lead,7439-92-1†	31151.0	3.0551	mg/L	0.02224	3.0551	mg/L	0.02224	0.73%
Lithium,7439-93-2†	72011.5	0.9396	mg/L	0.00460	0.9396	mg/L	0.00460	0.49%
Magnesium,7439-95-4†	801.0	11.482	mg/L	0.2747	11.482	mg/L	0.2747	2.39%
Manganese,7439-96-5†	713151.5	1.0047	mg/L	0.00854	1.0047	mg/L	0.00854	0.85%
Molybdenum,7439-98-7†	14391.3	1.0737	mg/L	0.01008	1.0737	mg/L	0.01008	0.94%
Nickel,7440-02-0†	42982.9	1.0373	mg/L	0.00897	1.0373	mg/L	0.00897	0.87%
Potassium,7440-09-7†	62921.4	19.455	mg/L	0.0950	19.455	mg/L	0.0950	0.49%
Selenium,7782-49-2†	1152.3	1.1635	mg/L	0.00707	1.1635	mg/L	0.00707	0.61%
Silver,7440-22-4†	247629.8	0.9711	mg/L	0.00987	0.9711	mg/L	0.00987	1.02%
Sodium,7440-23-5†	272967.8	39.175	mg/L	0.1444	39.175	mg/L	0.1444	0.37%
Strontium,7440-24-6†	369754.3	1.0148	mg/L	0.00504	1.0148	mg/L	0.00504	0.50%
Thallium,7440-28-0†	663.0	1.0611	mg/L	0.00672	1.0611	mg/L	0.00672	0.63%
Tin,7440-31-5†	3718.2	1.0552	mg/L	0.00711	1.0552	mg/L	0.00711	0.67%
Titanium,7440-32-6†	504599.0	0.9598	mg/L	0.00872	0.9598	mg/L	0.00872	0.91%
Vanadium,7440-62-2†	157404.4	0.9706	mg/L	0.00887	0.9706	mg/L	0.00887	0.91%
Zinc,7440-66-6†	68180.4	1.0761	mg/L	0.01005	1.0761	mg/L	0.01005	0.93%
Zirconium,7440-67-7†	388495.2	1.0420	mg/L	0.00957	1.0420	mg/L	0.00957	0.92%

Sequence No.: 46
Sample ID: 117137
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 5X

Autosampler Location: 53
Date Collected: 08/31/2003 21:12:08

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117137

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66696.8	95.727	%	0.3215				0.34%
Ar 420.067 R	1632123.8	106.98	%	0.125				0.12%
Scandium-IS	5487788.1	139.72	%	1.144				0.82%
Yttrium,7440-65-5A	2878453.9	138.86	%	1.110				0.80%
Yttrium,7440-65-5R	104223.6	141.40	%	3.847				2.72%
Aluminum,7429-90-5†	12.4	0.0518	mg/L	0.01531	0.2590	mg/L	0.07653	29.55%
Antimony,7440-36-0†	23.3	0.0138	mg/L	0.00203	0.0692	mg/L	0.01013	14.64%
Arsenic,7440-38-2†	8.0	0.0096	mg/L	0.00283	0.0478	mg/L	0.01417	29.61%

Barium,7440-39-3†	108.9	0.0010 mg/L	0.00008	0.0049 mg/L	0.00040	8.26%
Beryllium,7440-41-7†	1477.1	0.0005 mg/L	0.00001	0.0024 mg/L	0.00006	2.41%
Boron,7440-42-8†	3322.9	0.1396 mg/L	0.00560	0.6978 mg/L	0.02798	4.01%
Cadmium,7440-43-9†	-9.3	-0.0001 mg/L	0.00004	-0.0005 mg/L	0.00022	46.40%
Calcium,7440-70-2†	1549.9	1.1417 mg/L	0.02635	5.7087 mg/L	0.13174	2.31%
Chromium,7440-47-3†	-321.7	-0.0034 mg/L	0.00010	-0.0171 mg/L	0.00049	2.89%
Cobalt,7440-48-4†	29.0	0.0007 mg/L	0.00013	0.0037 mg/L	0.00066	17.96%
Copper,7440-50-8†	-1084.1	-0.0041 mg/L	0.00022	-0.0203 mg/L	0.00108	5.34%
Iron,7439-89-6†	31.8	0.0957 mg/L	0.00814	0.4786 mg/L	0.04069	8.50%
Lead,7439-92-1†	4155.7	0.4076 mg/L	0.00710	2.0379 mg/L	0.03548	1.74%
Lithium,7439-93-2†	-83.3	-0.0011 mg/L	0.00046	-0.0054 mg/L	0.00229	42.21%
Magnesium,7439-95-4†	16.3	0.2341 mg/L	0.01531	1.1704 mg/L	0.07656	6.54%
Manganese,7439-96-5†	96.6	0.0001 mg/L	0.00001	0.0007 mg/L	0.00006	7.96%
Molybdenum,7439-98-7†	58.4	0.0044 mg/L	0.00061	0.0218 mg/L	0.00305	14.01%
Nickel,7440-02-0†	20.7	0.0005 mg/L	0.00006	0.0025 mg/L	0.00029	11.43%
Potassium,7440-09-7†	952.5	0.2945 mg/L	0.01797	1.4725 mg/L	0.08985	6.10%
Selenium,7782-49-2†	-13.8	-0.0140 mg/L	0.00301	-0.0698 mg/L	0.01506	21.58%
Silver,7440-22-4†	-639.1	-0.0025 mg/L	0.00036	-0.0125 mg/L	0.00180	14.46%
Sodium,7440-23-5†	3519.1	0.5050 mg/L	0.02586	2.5249 mg/L	0.12932	5.12%
Strontium,7440-24-6†	526.0	0.0014 mg/L	0.00002	0.0071 mg/L	0.00008	1.16%
Thallium,7440-28-0†	1.3	0.0020 mg/L	0.00077	0.0102 mg/L	0.00384	37.61%
Tin,7440-31-5†	-1.8	-0.0005 mg/L	0.00078	-0.0027 mg/L	0.00389	146.43%
Titanium,7440-32-6†	-473.3	-0.0009 mg/L	0.00011	-0.0045 mg/L	0.00056	12.44%
Vanadium,7440-62-2†	-1315.3	-0.0081 mg/L	0.00073	-0.0406 mg/L	0.00363	8.94%
Zinc,7440-66-6†	-931.0	-0.0149 mg/L	0.00008	-0.0743 mg/L	0.00041	0.55%
Zirconium,7440-67-7†	-17.6	0.0000 mg/L	0.00018	-0.0002 mg/L	0.00090	365.54%

==========

Sequence No.: 47
Sample ID: 20308290305
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 54
Date Collected: 08/31/2003 21:19:22

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290305

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66200.5	95.015	%	0.0993				0.10%
Ar 420.067 R	1627135.7	106.65	%	0.276				0.26%
Scandium-IS	5438556.2	138.47	%	2.224				1.61%
Yttrium,7440-65-5A	2857931.1	137.87	%	2.151				1.56%
Yttrium,7440-65-5R	104900.3	142.32	%	2.210				1.55%
Aluminum,7429-90-5†	13.5	0.0562	mg/L	0.01357	0.0562	mg/L	0.01357	24.15%
Antimony,7440-36-0†	0.8	0.0005	mg/L	0.00118	0.0005	mg/L	0.00118	217.57%
Arsenic,7440-38-2†	1.3	0.0013	mg/L	0.00192	0.0013	mg/L	0.00192	143.85%
Barium,7440-39-3†	23.4	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	18.04%
Beryllium,7440-41-7†	1285.4	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	2.93%
Boron,7440-42-8†	2257.2	0.0948	mg/L	0.00183	0.0948	mg/L	0.00183	1.93%
Cadmium,7440-43-9†	-19.0	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	56.02%
Calcium,7440-70-2†	105.0	0.0773	mg/L	0.00261	0.0773	mg/L	0.00261	3.37%
Chromium,7440-47-3†	-296.5	-0.0032	mg/L	0.00020	-0.0032	mg/L	0.00020	6.20%
Cobalt,7440-48-4†	27.4	0.0007	mg/L	0.00023	0.0007	mg/L	0.00023	33.68%
Copper,7440-50-8†	-1165.9	-0.0044	mg/L	0.00012	-0.0044	mg/L	0.00012	2.69%
Iron,7439-89-6†	21.2	0.0638	mg/L	0.00484	0.0638	mg/L	0.00484	7.59%
Lead,7439-92-1†	-27.7	-0.0027	mg/L	0.00140	-0.0027	mg/L	0.00140	51.69%
Lithium,7439-93-2†	105.2	0.0014	mg/L	0.00060	0.0014	mg/L	0.00060	43.71%
Magnesium,7439-95-4†	3.6	0.0515	mg/L	0.03453	0.0515	mg/L	0.03453	67.04%
Manganese,7439-96-5†	-915.5	-0.0013	mg/L	0.00005	-0.0013	mg/L	0.00005	3.71%
Molybdenum,7439-98-7†	36.0	0.0027	mg/L	0.00070	0.0027	mg/L	0.00070	26.16%
Nickel,7440-02-0†	25.9	0.0006	mg/L	0.00021	0.0006	mg/L	0.00021	34.13%
Potassium,7440-09-7†	422.5	0.1307	mg/L	0.01251	0.1307	mg/L	0.01251	9.57%
Selenium,7782-49-2†	-9.4	-0.0094	mg/L	0.00061	-0.0094	mg/L	0.00061	6.41%
Silver,7440-22-4†	-663.7	-0.0026	mg/L	0.00011	-0.0026	mg/L	0.00011	4.09%
Sodium,7440-23-5†	1273.9	0.1828	mg/L	0.00450	0.1828	mg/L	0.00450	2.46%
Strontium,7440-24-6†	97.7	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	26.91%
Thallium,7440-28-0†	1.6	0.0025	mg/L	0.00105	0.0025	mg/L	0.00105	41.79%
Tin,7440-31-5†	1.1	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	37.48%
Titanium,7440-32-6†	-589.7	-0.0011	mg/L	0.00017	-0.0011	mg/L	0.00017	15.08%
Vanadium,7440-62-2†	-1265.8	-0.0078	mg/L	0.00052	-0.0078	mg/L	0.00052	6.72%
Zinc,7440-66-6†	-871.7	-0.0139	mg/L	0.00010	-0.0139	mg/L	0.00010	0.74%
Zirconium,7440-67-7†	-65.3	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	47.93%

Sequence No.: 48
Sample ID: 117105
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 55
Date Collected: 08/31/2003 21:26:36

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117105

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66428.9	95.343	%	0.4472				0.47%
Ar 420.067 R	1616307.8	105.94	%	0.326				0.31%
Scandium-IS	5426340.9	138.16	%	2.700				1.95%
Yttrium,7440-65-5A	2851804.2	137.57	%	2.589				1.88%
Yttrium,7440-65-5R	103367.2	140.24	%	3.560				2.54%
Aluminum,7429-90-5†	9.3	0.0390	mg/L	0.01300	0.0390	mg/L	0.01300	33.36%
Antimony,7440-36-0†	-4.7	-0.0027	mg/L	0.00188	-0.0027	mg/L	0.00188	69.81%
Arsenic,7440-38-2†	2.6	0.0030	mg/L	0.00084	0.0030	mg/L	0.00084	28.35%
Barium,7440-39-3†	17.8	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	33.05%
Beryllium,7440-41-7†	1251.9	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	2.47%
Boron,7440-42-8†	1845.6	0.0775	mg/L	0.00095	0.0775	mg/L	0.00095	1.22%
Cadmium,7440-43-9†	-16.6	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	45.99%
Calcium,7440-70-2†	-51.1	-0.0376	mg/L	0.00477	-0.0376	mg/L	0.00477	12.66%
Chromium,7440-47-3†	-336.6	-0.0036	mg/L	0.00024	-0.0036	mg/L	0.00024	6.72%
Cobalt,7440-48-4†	25.8	0.0007	mg/L	0.00014	0.0007	mg/L	0.00014	21.75%
Copper,7440-50-8†	-1259.7	-0.0047	mg/L	0.00008	-0.0047	mg/L	0.00008	1.70%
Iron,7439-89-6†	19.6	0.0590	mg/L	0.00584	0.0590	mg/L	0.00584	9.89%
Lead,7439-92-1†	-21.4	-0.0021	mg/L	0.00063	-0.0021	mg/L	0.00063	30.12%
Lithium,7439-93-2†	-77.4	-0.0010	mg/L	0.00040	-0.0010	mg/L	0.00040	39.44%
Magnesium,7439-95-4†	3.3	0.0466	mg/L	0.01623	0.0466	mg/L	0.01623	34.79%
Manganese,7439-96-5†	-1080.7	-0.0015	mg/L	0.00002	-0.0015	mg/L	0.00002	1.55%
Molybdenum,7439-98-7†	16.5	0.0012	mg/L	0.00029	0.0012	mg/L	0.00029	23.57%
Nickel,7440-02-0†	21.4	0.0005	mg/L	0.00050	0.0005	mg/L	0.00050	95.76%
Potassium,7440-09-7†	276.1	0.0854	mg/L	0.01448	0.0854	mg/L	0.01448	16.96%
Selenium,7782-49-2†	-13.0	-0.0131	mg/L	0.00149	-0.0131	mg/L	0.00149	11.33%
Silver,7440-22-4†	-714.2	-0.0028	mg/L	0.00031	-0.0028	mg/L	0.00031	11.01%
Sodium,7440-23-5†	-180.8	-0.0260	mg/L	0.01912	-0.0260	mg/L	0.01912	73.63%
Strontium,7440-24-6†	-124.5	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	10.52%
Thallium,7440-28-0†	-0.6	-0.0010	mg/L	0.00208	-0.0010	mg/L	0.00208	200.14%
Tin,7440-31-5†	-1.4	-0.0004	mg/L	0.00033	-0.0004	mg/L	0.00033	82.12%
Titanium,7440-32-6†	-575.3	-0.0011	mg/L	0.00032	-0.0011	mg/L	0.00032	29.53%
Vanadium,7440-62-2†	-1169.6	-0.0072	mg/L	0.00081	-0.0072	mg/L	0.00081	11.29%
Zinc,7440-66-6†	-1069.4	-0.0170	mg/L	0.00004	-0.0170	mg/L	0.00004	0.23%
Zirconium,7440-67-7†	-135.2	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	33.88%

Sequence No.: 49
Sample ID: 117106
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 56
Date Collected: 08/31/2003 21:33:44

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117106

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66025.4	94.764	%	0.2025				0.21%
Ar 420.067 R	1617972.5	106.05	%	0.230				0.22%
Scandium-IS	5424333.7	138.10	%	2.707				1.96%
Yttrium,7440-65-5A	2800374.3	135.09	%	1.338				0.99%
Yttrium,7440-65-5R	103373.0	140.25	%	3.579				2.55%
Aluminum,7429-90-5†	2240.4	9.3165	mg/L	0.34631	9.3165	mg/L	0.34631	3.72%
Antimony,7440-36-0†	1934.5	1.1173	mg/L	0.01199	1.1173	mg/L	0.01199	1.07%
Arsenic,7440-38-2†	928.4	1.1601	mg/L	0.01187	1.1601	mg/L	0.01187	1.02%
Barium,7440-39-3†	111130.1	0.9894	mg/L	0.00162	0.9894	mg/L	0.00162	0.16%
Beryllium,7440-41-7†	2988851.4	0.9817	mg/L	0.00384	0.9817	mg/L	0.00384	0.39%
Boron,7440-42-8†	124327.8	5.2195	mg/L	0.01397	5.2195	mg/L	0.01397	0.27%
Cadmium,7440-43-9†	114017.9	1.0750	mg/L	0.00179	1.0750	mg/L	0.00179	0.17%
Calcium,7440-70-2†	13428.2	9.8811	mg/L	0.46607	9.8811	mg/L	0.46607	4.72%

Chromium,7440-47-3†	90696.6	0.9640 mg/L	0.00172	0.9640 mg/L	0.00172	0.18%
Cobalt,7440-48-4†	40366.1	1.0135 mg/L	0.00059	1.0135 mg/L	0.00059	0.06%
Copper,7440-50-8†	266659.7	1.0024 mg/L	0.00313	1.0024 mg/L	0.00313	0.31%
Iron,7439-89-6†	3193.9	9.6060 mg/L	0.34519	9.6060 mg/L	0.34519	3.59%
Lead,7439-92-1†	10773.6	1.0565 mg/L	0.01095	1.0565 mg/L	0.01095	1.04%
Lithium,7439-93-2†	72390.7	0.9446 mg/L	0.04205	0.9446 mg/L	0.04205	4.45%
Magnesium,7439-95-4†	727.8	10.434 mg/L	0.0487	10.434 mg/L	0.0487	0.47%
Manganese,7439-96-5†	689672.5	0.9716 mg/L	0.00114	0.9716 mg/L	0.00114	0.12%
Molybdenum,7439-98-7†	14862.1	1.1088 mg/L	0.01260	1.1088 mg/L	0.01260	1.14%
Nickel,7440-02-0†	41805.1	1.0089 mg/L	0.00196	1.0089 mg/L	0.00196	0.19%
Potassium,7440-09-7†	60941.6	18.843 mg/L	0.7251	18.843 mg/L	0.7251	3.85%
Selenium,7782-49-2†	1128.6	1.1396 mg/L	0.00944	1.1396 mg/L	0.00944	0.83%
Silver,7440-22-4†	245744.9	0.9637 mg/L	0.00142	0.9637 mg/L	0.00142	0.15%
Sodium,7440-23-5†	257767.7	36.994 mg/L	1.6921	36.994 mg/L	1.6921	4.57%
Strontium,7440-24-6†	362007.9	0.9937 mg/L	0.01775	0.9937 mg/L	0.01775	1.79%
Thallium,7440-28-0†	640.8	1.0256 mg/L	0.01700	1.0256 mg/L	0.01700	1.66%
Tin,7440-31-5†	3822.3	1.0849 mg/L	0.01329	1.0849 mg/L	0.01329	1.22%
Titanium,7440-32-6†	518840.5	0.9869 mg/L	0.00116	0.9869 mg/L	0.00116	0.12%
Vanadium,7440-62-2†	152931.5	0.9431 mg/L	0.00170	0.9431 mg/L	0.00170	0.18%
Zinc,7440-66-6†	65596.8	1.0355 mg/L	0.00179	1.0355 mg/L	0.00179	0.17%
Zirconium,7440-67-7†	400295.9	1.0737 mg/L	0.00238	1.0737 mg/L	0.00238	0.22%

Sequence No.: 50
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 08/31/2003 21:41:08

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66512.5	95.463	%	0.3868				0.41%
Ar 420.067 R	1636106.1	107.24	%	0.099				0.09%
Scandium-IS	5460574.8	139.03	%	2.690				1.94%
Yttrium,7440-65-5A	2851554.5	137.56	%	2.623				1.91%
Yttrium,7440-65-5R	106723.8	144.79	%	2.198				1.52%
Aluminum,7429-90-5†	1114.5	4.6353	mg/L	0.04996	4.6353	mg/L	0.04996	1.08%
QC value within limits for Aluminum,7429-90-5 Recovery = 92.71%								
Antimony,7440-36-0†	17.7	-0.0018	mg/L	0.00133	-0.0018	mg/L	0.00133	73.94%
Arsenic,7440-38-2†	463.6	0.5793	mg/L	0.01070	0.5793	mg/L	0.01070	1.85%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 115.86%								
Barium,7440-39-3†	55647.8	0.4954	mg/L	0.01253	0.4954	mg/L	0.01253	2.53%
QC value within limits for Barium,7440-39-3 Recovery = 99.08%								
Beryllium,7440-41-7†	1479559.5	0.4861	mg/L	0.00123	0.4861	mg/L	0.00123	0.25%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.21%								
Boron,7440-42-8†	2485.8	0.1029	mg/L	0.00389	0.1029	mg/L	0.00389	3.78%
Cadmium,7440-43-9†	57081.1	0.5382	mg/L	0.01434	0.5382	mg/L	0.01434	2.66%
QC value within limits for Cadmium,7440-43-9 Recovery = 107.63%								
Calcium,7440-70-2†	6549.8	4.8231	mg/L	0.05900	4.8231	mg/L	0.05900	1.22%
QC value within limits for Calcium,7440-70-2 Recovery = 96.46%								
Chromium,7440-47-3†	45270.8	0.4812	mg/L	0.01240	0.4812	mg/L	0.01240	2.58%
QC value within limits for Chromium,7440-47-3 Recovery = 96.25%								
Cobalt,7440-48-4†	20250.7	0.5095	mg/L	0.01389	0.5095	mg/L	0.01389	2.73%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.90%								
Copper,7440-50-8†	127921.5	0.4810	mg/L	0.01225	0.4810	mg/L	0.01225	2.55%
QC value within limits for Copper,7440-50-8 Recovery = 96.21%								
Iron,7439-89-6†	1602.4	4.8191	mg/L	0.06054	4.8191	mg/L	0.06054	1.26%
QC value within limits for Iron,7439-89-6 Recovery = 96.38%								
Lead,7439-92-1†	5527.7	0.5422	mg/L	0.01535	0.5422	mg/L	0.01535	2.83%
QC value within limits for Lead,7439-92-1 Recovery = 108.43%								
Lithium,7439-93-2†	35241.1	0.4598	mg/L	0.00283	0.4598	mg/L	0.00283	0.62%
QC value within limits for Lithium,7439-93-2 Recovery = 91.97%								
Magnesium,7439-95-4†	368.9	5.2863	mg/L	0.12201	5.2863	mg/L	0.12201	2.31%
QC value within limits for Magnesium,7439-95-4 Recovery = 105.73%								
Manganese,7439-96-5†	347432.6	0.4894	mg/L	0.01259	0.4894	mg/L	0.01259	2.57%
QC value within limits for Manganese,7439-96-5 Recovery = 97.88%								
Molybdenum,7439-98-7†	35.4	0.0026	mg/L	0.00030	0.0026	mg/L	0.00030	11.55%
Nickel,7440-02-0†	20972.3	0.5061	mg/L	0.01337	0.5061	mg/L	0.01337	2.64%
QC value within limits for Nickel,7440-02-0 Recovery = 101.23%								
Potassium,7440-09-7†	30396.1	9.3990	mg/L	0.07127	9.3990	mg/L	0.07127	0.76%

QC value within limits for Potassium,7440-09-7 Recovery = 93.99%

Selenium,7782-49-2†	543.4	0.5487 mg/L	0.01617	0.5487 mg/L	0.01617	2.95%

QC value within limits for Selenium,7782-49-2 Recovery = 109.74%

Silver,7440-22-4†	118886.8	0.4662 mg/L	0.01026	0.4662 mg/L	0.01026	2.20%

QC value within limits for Silver,7440-22-4 Recovery = 93.25%

Sodium,7440-23-5†	125729.8	18.044 mg/L	0.3695	18.044 mg/L	0.3695	2.05%

QC value within limits for Sodium,7440-23-5 Recovery = 90.22%

Strontium,7440-24-6†	179357.2	0.4923 mg/L	0.00726	0.4923 mg/L	0.00726	1.47%

QC value within limits for Strontium,7440-24-6 Recovery = 98.47%

Thallium,7440-28-0†	322.5	0.5162 mg/L	0.01542	0.5162 mg/L	0.01542	2.99%

QC value within limits for Thallium,7440-28-0 Recovery = 103.24%

Tin,7440-31-5†	-3.8	-0.0009 mg/L	0.00080	-0.0009 mg/L	0.00080	88.14%
Titanium,7440-32-6†	-184.4	-0.0004 mg/L	0.00009	-0.0004 mg/L	0.00009	25.76%
Vanadium,7440-62-2†	76728.8	0.4729 mg/L	0.01263	0.4729 mg/L	0.01263	2.67%

QC value within limits for Vanadium,7440-62-2 Recovery = 94.59%

Zinc,7440-66-6†	33451.7	0.5274 mg/L	0.01370	0.5274 mg/L	0.01370	2.60%

QC value within limits for Zinc,7440-66-6 Recovery = 105.48%

Zirconium,7440-67-7†	153294.1	0.4112 mg/L	0.00285	0.4112 mg/L	0.00285	0.69%

QC value less than the lower limit for Zirconium,7440-67-7 Recovery = 82.24%
QC Failed. Continue with analysis.

Sequence No.: 51
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 172.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 08/31/2003 21:48:26
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66492.1	95.434	%	0.2403				0.25%
Ar 420.067 R	1625547.8	106.54	%	0.071				0.07%
Scandium-IS	5535705.9	140.94	%	0.864				0.61%
Yttrium,7440-65-5A	2900491.0	139.92	%	0.858				0.61%
Yttrium,7440-65-5R	108688.5	147.46	%	0.128				0.09%
Aluminum,7429-90-5†	13.0	0.0536	mg/L	0.02069	0.0536	mg/L	0.02069	38.58%
Antimony,7440-36-0†	894.3	0.5279	mg/L	0.01194	0.5279	mg/L	0.01194	2.26%
QC value within limits for Antimony,7440-36-0 Recovery = 105.58%								
Arsenic,7440-38-2†	3.2	0.0035	mg/L	0.00235	0.0035	mg/L	0.00235	67.77%
Barium,7440-39-3†	-15.3	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	85.11%
Beryllium,7440-41-7†	2412.5	0.0007	mg/L	0.00002	0.0007	mg/L	0.00002	3.28%
Boron,7440-42-8†	60449.6	2.5393	mg/L	0.05045	2.5393	mg/L	0.05045	1.99%
QC value within limits for Boron,7440-42-8 Recovery = 101.57%								
Cadmium,7440-43-9†	2.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	164.53%
Calcium,7440-70-2†	-43.7	-0.0357	mg/L	0.00018	-0.0357	mg/L	0.00018	0.49%
Chromium,7440-47-3†	-314.7	-0.0034	mg/L	0.00030	-0.0034	mg/L	0.00030	8.91%
Cobalt,7440-48-4†	72.7	0.0008	mg/L	0.00002	0.0008	mg/L	0.00002	2.85%
Copper,7440-50-8†	-1122.0	-0.0044	mg/L	0.00018	-0.0044	mg/L	0.00018	4.02%
Iron,7439-89-6†	22.6	0.0683	mg/L	0.00625	0.0683	mg/L	0.00625	9.15%
Lead,7439-92-1†	-43.0	-0.0043	mg/L	0.00062	-0.0043	mg/L	0.00062	14.39%
Lithium,7439-93-2†	-234.0	-0.0031	mg/L	0.00030	-0.0031	mg/L	0.00030	9.70%
Magnesium,7439-95-4†	4.2	0.0627	mg/L	0.03877	0.0627	mg/L	0.03877	61.83%
Manganese,7439-96-5†	-946.5	-0.0013	mg/L	0.00003	-0.0013	mg/L	0.00003	2.42%
Molybdenum,7439-98-7†	7295.5	0.5443	mg/L	0.01160	0.5443	mg/L	0.01160	2.13%
QC value within limits for Molybdenum,7439-98-7 Recovery = 108.87%								
Nickel,7440-02-0†	19.9	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	20.02%
Potassium,7440-09-7†	417.7	0.1287	mg/L	0.02364	0.1287	mg/L	0.02364	18.37%
Selenium,7782-49-2†	-6.8	-0.0068	mg/L	0.00205	-0.0068	mg/L	0.00205	30.10%
Silver,7440-22-4†	246.5	0.0010	mg/L	0.00023	0.0010	mg/L	0.00023	24.04%
Sodium,7440-23-5†	-461.8	-0.0663	mg/L	0.00376	-0.0663	mg/L	0.00376	5.66%
Strontium,7440-24-6†	-37.0	-0.0001	mg/L	0.00022	-0.0001	mg/L	0.00022	215.57%
Thallium,7440-28-0†	-1.0	-0.0017	mg/L	0.00102	-0.0017	mg/L	0.00102	61.15%
Tin,7440-31-5†	1852.7	0.5257	mg/L	0.01238	0.5257	mg/L	0.01238	2.35%
QC value within limits for Tin,7440-31-5 Recovery = 105.15%								
Titanium,7440-32-6†	253751.9	0.4827	mg/L	0.00224	0.4827	mg/L	0.00224	0.46%
QC value within limits for Titanium,7440-32-6 Recovery = 96.53%								
Vanadium,7440-62-2†	-2967.9	-0.0181	mg/L	0.00044	-0.0181	mg/L	0.00044	2.41%
Zinc,7440-66-6†	-756.0	-0.0113	mg/L	0.00019	-0.0113	mg/L	0.00019	1.63%
Zirconium,7440-67-7†	199094.2	0.5340	mg/L	0.00770	0.5340	mg/L	0.00770	1.44%

All analytes passed QC.

Sequence No.: 52
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 21:55:43
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66160.9	94.958	%	0.2094				0.22%
Ar 420.067 R	1616010.6	105.92	%	0.279				0.26%
Scandium-IS	5531017.9	140.82	%	0.651				0.46%
Yttrium,7440-65-5A	2910163.6	140.39	%	0.657				0.47%
Yttrium,7440-65-5R	105858.5	143.62	%	2.081				1.45%
Aluminum,7429-90-5†	8.4	0.0352	mg/L	0.01739	0.0352	mg/L	0.01739	49.43%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-2.0	-0.0011	mg/L	0.00334	-0.0011	mg/L	0.00334	312.76%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	3.0	0.0034	mg/L	0.00040	0.0034	mg/L	0.00040	11.64%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	30.3	0.0003	mg/L	0.00010	0.0003	mg/L	0.00010	37.68%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	1288.2	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	1.77%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	2072.0	0.0870	mg/L	0.00113	0.0870	mg/L	0.00113	1.30%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-14.7	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	13.40%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-28.3	-0.0209	mg/L	0.00152	-0.0209	mg/L	0.00152	7.30%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-335.0	-0.0036	mg/L	0.00016	-0.0036	mg/L	0.00016	4.46%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	30.7	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	8.53%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-1300.2	-0.0049	mg/L	0.00019	-0.0049	mg/L	0.00019	3.98%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	21.5	0.0645	mg/L	0.00521	0.0645	mg/L	0.00521	8.07%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-40.2	-0.0039	mg/L	0.00109	-0.0039	mg/L	0.00109	27.72%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-88.7	-0.0012	mg/L	0.00040	-0.0012	mg/L	0.00040	34.88%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	5.3	0.0761	mg/L	0.03541	0.0761	mg/L	0.03541	46.53%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-574.7	-0.0008	mg/L	0.00003	-0.0008	mg/L	0.00003	4.19%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	49.6	0.0037	mg/L	0.00063	0.0037	mg/L	0.00063	17.13%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	27.6	0.0007	mg/L	0.00025	0.0007	mg/L	0.00025	38.04%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	379.7	0.1174	mg/L	0.02283	0.1174	mg/L	0.02283	19.45%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-9.1	-0.0092	mg/L	0.00216	-0.0092	mg/L	0.00216	23.55%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silver,7440-22-4†	-602.9	-0.0024	mg/L	0.00032	-0.0024	mg/L	0.00032	13.60%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-470.9	-0.0676	mg/L	0.01347	-0.0676	mg/L	0.01347	19.92%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-9.4	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	166.00%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	0.9	0.0015	mg/L	0.00273	0.0015	mg/L	0.00273	186.63%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	3.4	0.0010	mg/L	0.00059	0.0010	mg/L	0.00059	62.45%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-663.8	-0.0013	mg/L	0.00010	-0.0013	mg/L	0.00010	8.30%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-1337.0	-0.0083	mg/L	0.00045	-0.0083	mg/L	0.00045	5.47%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-739.1	-0.0118	mg/L	0.00003	-0.0118	mg/L	0.00003	0.24%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -122.4 -0.0003 mg/L 0.00015 -0.0003 mg/L 0.00015 45.22%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 53
Sample ID: 20308290306
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 57
Date Collected: 08/31/2003 22:02:53
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290306

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65654.5	94.231	%	0.2851				0.30%
Ar 420.067 R	1611133.7	105.60	%	0.126				0.12%
Scandium-IS	5512130.3	140.34	%	0.372				0.26%
Yttrium,7440-65-5A	2889303.6	139.38	%	0.333				0.24%
Yttrium,7440-65-5R	108218.6	146.82	%	0.853				0.58%
Aluminum,7429-90-5†	19.7	0.0821	mg/L	0.00662	0.0821	mg/L	0.00662	8.07%
Antimony,7440-36-0†	101.2	0.0597	mg/L	0.00240	0.0597	mg/L	0.00240	4.02%
Arsenic,7440-38-2†	26.0	0.0314	mg/L	0.00243	0.0314	mg/L	0.00243	7.74%
Barium,7440-39-3†	512.6	0.0046	mg/L	0.00007	0.0046	mg/L	0.00007	1.52%
Beryllium,7440-41-7†	1243.5	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	2.13%
Boron,7440-42-8†	2372.2	0.0996	mg/L	0.00038	0.0996	mg/L	0.00038	0.38%
Cadmium,7440-43-9†	-13.4	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	46.65%
Calcium,7440-70-2†	7718.9	5.6862	mg/L	0.17049	5.6862	mg/L	0.17049	3.00%
Chromium,7440-47-3†	-345.7	-0.0037	mg/L	0.00029	-0.0037	mg/L	0.00029	7.84%
Cobalt,7440-48-4†	21.1	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	24.10%
Copper,7440-50-8†	-930.7	-0.0035	mg/L	0.00026	-0.0035	mg/L	0.00026	7.36%
Iron,7439-89-6†	48.1	0.1450	mg/L	0.00358	0.1450	mg/L	0.00358	2.47%
Lead,7439-92-1†	14834.8	1.4550	mg/L	0.02465	1.4550	mg/L	0.02465	1.69%
Lithium,7439-93-2†	-15.3	-0.0002	mg/L	0.00009	-0.0002	mg/L	0.00009	46.84%
Magnesium,7439-95-4†	53.6	0.7684	mg/L	0.03198	0.7684	mg/L	0.03198	4.16%
Manganese,7439-96-5†	4252.8	0.0060	mg/L	0.00012	0.0060	mg/L	0.00012	2.02%
Molybdenum,7439-98-7†	36.3	0.0027	mg/L	0.00039	0.0027	mg/L	0.00039	14.71%
Nickel,7440-02-0†	32.0	0.0008	mg/L	0.00008	0.0008	mg/L	0.00008	10.74%
Potassium,7440-09-7†	2816.7	0.8708	mg/L	0.01160	0.8708	mg/L	0.01160	1.33%
Selenium,7782-49-2†	-8.5	-0.0086	mg/L	0.00551	-0.0086	mg/L	0.00551	63.96%
Silver,7440-22-4†	-734.6	-0.0029	mg/L	0.00032	-0.0029	mg/L	0.00032	11.13%
Sodium,7440-23-5†	19351.1	2.7770	mg/L	0.05969	2.7770	mg/L	0.05969	2.15%
Strontium,7440-24-6†	3259.5	0.0088	mg/L	0.00017	0.0088	mg/L	0.00017	1.98%
Thallium,7440-28-0†	0.8	0.0013	mg/L	0.00360	0.0013	mg/L	0.00360	280.05%
Tin,7440-31-5†	1.1	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	130.09%
Titanium,7440-32-6†	-470.9	-0.0009	mg/L	0.00038	-0.0009	mg/L	0.00038	42.01%
Vanadium,7440-62-2†	-1199.4	-0.0074	mg/L	0.00055	-0.0074	mg/L	0.00055	7.39%
Zinc,7440-66-6†	-494.4	-0.0082	mg/L	0.00006	-0.0082	mg/L	0.00006	0.75%
Zirconium,7440-67-7†	663.2	0.0018	mg/L	0.00022	0.0018	mg/L	0.00022	12.36%

Sequence No.: 54
Sample ID: 20308290309
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 58
Date Collected: 08/31/2003 22:10:01
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290309

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65046.0	93.358	%	0.3460				0.37%
Ar 420.067 R	1604803.4	105.19	%	0.223				0.21%
Scandium-IS	5647773.5	143.79	%	0.374				0.26%
Yttrium,7440-65-5A	2957199.0	142.66	%	0.532				0.37%
Yttrium,7440-65-5R	107871.3	146.35	%	2.781				1.90%
Aluminum,7429-90-5†	16.6	0.0689	mg/L	0.01086	0.0689	mg/L	0.01086	15.75%
Antimony,7440-36-0†	103.0	0.0608	mg/L	0.00069	0.0608	mg/L	0.00069	1.13%
Arsenic,7440-38-2†	25.0	0.0302	mg/L	0.00204	0.0302	mg/L	0.00204	6.76%
Barium,7440-39-3†	498.2	0.0044	mg/L	0.00007	0.0044	mg/L	0.00007	1.61%

Beryllium,7440-41-7†	1251.3	0.0004 mg/L	0.00003	0.0004 mg/L	0.00003	7.79%
Boron,7440-42-8†	2113.2	0.0887 mg/L	0.00120	0.0887 mg/L	0.00120	1.35%
Cadmium,7440-43-9†	-16.8	-0.0002 mg/L	0.00005	-0.0002 mg/L	0.00005	27.97%
Calcium,7440-70-2†	7868.2	5.7961 mg/L	0.03279	5.7961 mg/L	0.03279	0.57%
Chromium,7440-47-3†	-349.3	-0.0037 mg/L	0.00015	-0.0037 mg/L	0.00015	3.92%
Cobalt,7440-48-4†	28.4	0.0007 mg/L	0.00024	0.0007 mg/L	0.00024	33.22%
Copper,7440-50-8†	-1072.7	-0.0040 mg/L	0.00012	-0.0040 mg/L	0.00012	2.98%
Iron,7439-89-6†	50.1	0.1508 mg/L	0.00785	0.1508 mg/L	0.00785	5.20%
Lead,7439-92-1†	16011.4	1.5704 mg/L	0.02236	1.5704 mg/L	0.02236	1.42%
Lithium,7439-93-2†	-109.7	-0.0014 mg/L	0.00072	-0.0014 mg/L	0.00072	50.16%
Magnesium,7439-95-4†	53.7	0.7691 mg/L	0.02579	0.7691 mg/L	0.02579	3.35%
Manganese,7439-96-5†	3961.7	0.0056 mg/L	0.00011	0.0056 mg/L	0.00011	1.88%
Molybdenum,7439-98-7†	34.5	0.0025 mg/L	0.00028	0.0025 mg/L	0.00028	11.23%
Nickel,7440-02-0†	42.7	0.0010 mg/L	0.00038	0.0010 mg/L	0.00038	36.87%
Potassium,7440-09-7†	2812.5	0.8695 mg/L	0.00795	0.8695 mg/L	0.00795	0.91%
Selenium,7782-49-2†	-12.6	-0.0128 mg/L	0.00304	-0.0128 mg/L	0.00304	23.87%
Silver,7440-22-4†	-776.8	-0.0030 mg/L	0.00029	-0.0030 mg/L	0.00029	9.56%
Sodium,7440-23-5†	19186.7	2.7534 mg/L	0.02530	2.7534 mg/L	0.02530	0.92%
Strontium,7440-24-6†	3360.5	0.0091 mg/L	0.00030	0.0091 mg/L	0.00030	3.35%
Thallium,7440-28-0†	0.6	0.0009 mg/L	0.00043	0.0009 mg/L	0.00043	45.95%
Tin,7440-31-5†	-0.6	-0.0003 mg/L	0.00049	-0.0003 mg/L	0.00049	155.23%
Titanium,7440-32-6†	-478.9	-0.0009 mg/L	0.00040	-0.0009 mg/L	0.00040	43.72%
Vanadium,7440-62-2†	-1333.8	-0.0082 mg/L	0.00077	-0.0082 mg/L	0.00077	9.33%
Zinc,7440-66-6†	-178.8	-0.0032 mg/L	0.00002	-0.0032 mg/L	0.00002	0.74%
Zirconium,7440-67-7†	324.1	0.0009 mg/L	0.00011	0.0009 mg/L	0.00011	12.98%

Sequence No.: 55
Sample ID: 20308290307
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 59
Date Collected: 08/31/2003 22:17:10
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290307

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	64643.6	92.781	%	0.2238				0.24%
Ar 420.067 R	1604072.5	105.14	%	0.089				0.08%
Scandium-IS	5522562.5	140.61	%	4.819				3.43%
Yttrium,7440-65-5A	2879024.8	138.89	%	1.907				1.37%
Yttrium,7440-65-5R	108127.9	146.70	%	0.681				0.46%
Aluminum,7429-90-5†	2244.1	9.3320	mg/L	0.05604	9.3320	mg/L	0.05604	0.60%
Antimony,7440-36-0†	2041.3	1.1804	mg/L	0.01110	1.1804	mg/L	0.01110	0.94%
Arsenic,7440-38-2†	966.7	1.2067	mg/L	0.01133	1.2067	mg/L	0.01133	0.94%
Barium,7440-39-3†	111292.6	0.9908	mg/L	0.01667	0.9908	mg/L	0.01667	1.68%
Beryllium,7440-41-7†	2994287.3	0.9835	mg/L	0.01644	0.9835	mg/L	0.01644	1.67%
Boron,7440-42-8†	125733.1	5.2785	mg/L	0.08360	5.2785	mg/L	0.08360	1.58%
Cadmium,7440-43-9†	112916.7	1.0646	mg/L	0.01848	1.0646	mg/L	0.01848	1.74%
Calcium,7440-70-2†	20742.4	15.269	mg/L	0.1241	15.269	mg/L	0.1241	0.81%
Chromium,7440-47-3†	90056.9	0.9572	mg/L	0.01732	0.9572	mg/L	0.01732	1.81%
Cobalt,7440-48-4†	40319.9	1.0124	mg/L	0.01748	1.0124	mg/L	0.01748	1.73%
Copper,7440-50-8†	272259.1	1.0235	mg/L	0.01829	1.0235	mg/L	0.01829	1.79%
Iron,7439-89-6†	3191.5	9.5990	mg/L	0.07503	9.5990	mg/L	0.07503	0.78%
Lead,7439-92-1†	25067.9	2.4585	mg/L	0.01253	2.4585	mg/L	0.01253	0.51%
Lithium,7439-93-2†	72142.9	0.9414	mg/L	0.00416	0.9414	mg/L	0.00416	0.44%
Magnesium,7439-95-4†	775.0	11.109	mg/L	0.1773	11.109	mg/L	0.1773	1.60%
Manganese,7439-96-5†	693201.9	0.9766	mg/L	0.01677	0.9766	mg/L	0.01677	1.72%
Molybdenum,7439-98-7†	14757.3	1.1010	mg/L	0.00725	1.1010	mg/L	0.00725	0.66%
Nickel,7440-02-0†	41665.7	1.0055	mg/L	0.01888	1.0055	mg/L	0.01888	1.88%
Potassium,7440-09-7†	62540.4	19.337	mg/L	0.1168	19.337	mg/L	0.1168	0.60%
Selenium,7782-49-2†	1126.8	1.1378	mg/L	0.00833	1.1378	mg/L	0.00833	0.73%
Silver,7440-22-4†	246582.6	0.9669	mg/L	0.01487	0.9669	mg/L	0.01487	1.54%
Sodium,7440-23-5†	272598.2	39.122	mg/L	0.1628	39.122	mg/L	0.1628	0.42%
Strontium,7440-24-6†	363753.6	0.9983	mg/L	0.01449	0.9983	mg/L	0.01449	1.45%
Thallium,7440-28-0†	637.2	1.0199	mg/L	0.01074	1.0199	mg/L	0.01074	1.05%
Tin,7440-31-5†	3787.9	1.0750	mg/L	0.00787	1.0750	mg/L	0.00787	0.73%
Titanium,7440-32-6†	515870.7	0.9812	mg/L	0.01734	0.9812	mg/L	0.01734	1.77%
Vanadium,7440-62-2†	152601.4	0.9410	mg/L	0.01813	0.9410	mg/L	0.01813	1.93%
Zinc,7440-66-6†	66290.9	1.0463	mg/L	0.01998	1.0463	mg/L	0.01998	1.91%
Zirconium,7440-67-7†	398355.6	1.0685	mg/L	0.01905	1.0685	mg/L	0.01905	1.78%

Sequence No.: 56
Sample ID: 20308290308
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 60
Date Collected: 08/31/2003 22:24:22

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290308

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66295.2	95.151	%	0.3834				0.40%
Ar 420.067 R	1629678.3	106.82	%	0.152				0.14%
Scandium-IS	5381969.2	137.03	%	1.600				1.17%
Yttrium,7440-65-5A	2811049.4	135.61	%	0.406				0.30%
Yttrium,7440-65-5R	106020.3	143.84	%	0.728				0.51%
Aluminum,7429-90-5†	2238.6	9.3085	mg/L	0.03938	9.3085	mg/L	0.03938	0.42%
Antimony,7440-36-0†	2057.9	1.1897	mg/L	0.00958	1.1897	mg/L	0.00958	0.81%
Arsenic,7440-38-2†	977.0	1.2197	mg/L	0.00705	1.2197	mg/L	0.00705	0.58%
Barium,7440-39-3†	113117.7	1.0070	mg/L	0.00344	1.0070	mg/L	0.00344	0.34%
Beryllium,7440-41-7†	3020799.4	0.9922	mg/L	0.00565	0.9922	mg/L	0.00565	0.57%
Boron,7440-42-8†	127351.9	5.3465	mg/L	0.02418	5.3465	mg/L	0.02418	0.45%
Cadmium,7440-43-9†	115790.7	1.0917	mg/L	0.00276	1.0917	mg/L	0.00276	0.25%
Calcium,7440-70-2†	21023.6	15.476	mg/L	0.0035	15.476	mg/L	0.0035	0.02%
Chromium,7440-47-3†	91804.2	0.9758	mg/L	0.00398	0.9758	mg/L	0.00398	0.41%
Cobalt,7440-48-4†	41060.8	1.0310	mg/L	0.00199	1.0310	mg/L	0.00199	0.19%
Copper,7440-50-8†	270847.1	1.0182	mg/L	0.00262	1.0182	mg/L	0.00262	0.26%
Iron,7439-89-6†	3239.0	9.7420	mg/L	0.00270	9.7420	mg/L	0.00270	0.03%
Lead,7439-92-1†	26505.3	2.5994	mg/L	0.02109	2.5994	mg/L	0.02109	0.81%
Lithium,7439-93-2†	70274.3	0.9170	mg/L	0.00251	0.9170	mg/L	0.00251	0.27%
Magnesium,7439-95-4†	796.2	11.413	mg/L	0.0886	11.413	mg/L	0.0886	0.78%
Manganese,7439-96-5†	702891.2	0.9902	mg/L	0.00340	0.9902	mg/L	0.00340	0.34%
Molybdenum,7439-98-7†	14911.1	1.1125	mg/L	0.00654	1.1125	mg/L	0.00654	0.59%
Nickel,7440-02-0†	42509.8	1.0259	mg/L	0.00387	1.0259	mg/L	0.00387	0.38%
Potassium,7440-09-7†	61771.7	19.100	mg/L	0.0701	19.100	mg/L	0.0701	0.37%
Selenium,7782-49-2†	1150.7	1.1619	mg/L	0.01377	1.1619	mg/L	0.01377	1.18%
Silver,7440-22-4†	246986.0	0.9685	mg/L	0.00325	0.9685	mg/L	0.00325	0.34%
Sodium,7440-23-5†	268630.8	38.553	mg/L	0.1384	38.553	mg/L	0.1384	0.36%
Strontium,7440-24-6†	362867.3	0.9959	mg/L	0.00617	0.9959	mg/L	0.00617	0.62%
Thallium,7440-28-0†	639.7	1.0240	mg/L	0.01732	1.0240	mg/L	0.01732	1.69%
Tin,7440-31-5†	3854.2	1.0938	mg/L	0.01165	1.0938	mg/L	0.01165	1.07%
Titanium,7440-32-6†	521582.4	0.9921	mg/L	0.00326	0.9921	mg/L	0.00326	0.33%
Vanadium,7440-62-2†	155282.5	0.9576	mg/L	0.00340	0.9576	mg/L	0.00340	0.36%
Zinc,7440-66-6†	67481.6	1.0651	mg/L	0.00357	1.0651	mg/L	0.00357	0.34%
Zirconium,7440-67-7†	402123.8	1.0786	mg/L	0.00319	1.0786	mg/L	0.00319	0.30%

Sequence No.: 57
Sample ID: 117140
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 61
Date Collected: 08/31/2003 22:31:36

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117140

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66172.7	94.975	%	0.2622				0.28%
Ar 420.067 R	1619734.8	106.16	%	0.147				0.14%
Scandium-IS	5430438.8	138.26	%	0.678				0.49%
Yttrium,7440-65-5A	2812515.0	135.68	%	0.627				0.46%
Yttrium,7440-65-5R	105918.2	143.70	%	3.592				2.50%
Aluminum,7429-90-5†	2315.4	9.6287	mg/L	0.24739	9.6287	mg/L	0.24739	2.57%
Antimony,7440-36-0†	2007.7	1.1600	mg/L	0.01582	1.1600	mg/L	0.01582	1.36%
Arsenic,7440-38-2†	973.9	1.2160	mg/L	0.01416	1.2160	mg/L	0.01416	1.16%
Barium,7440-39-3†	113328.5	1.0089	mg/L	0.00222	1.0089	mg/L	0.00222	0.22%
Beryllium,7440-41-7†	3057657.1	1.0043	mg/L	0.00574	1.0043	mg/L	0.00574	0.57%
Boron,7440-42-8†	123901.7	5.2014	mg/L	0.01338	5.2014	mg/L	0.01338	0.26%
Cadmium,7440-43-9†	115340.1	1.0874	mg/L	0.00349	1.0874	mg/L	0.00349	0.32%
Calcium,7440-70-2†	21572.8	15.881	mg/L	0.3864	15.881	mg/L	0.3864	2.43%
Chromium,7440-47-3†	92001.1	0.9779	mg/L	0.00280	0.9779	mg/L	0.00280	0.29%

Cobalt,7440-48-4†	41129.6	1.0328 mg/L	0.00426	1.0328 mg/L	0.00426	0.41%
Copper,7440-50-8†	271033.3	1.0190 mg/L	0.00194	1.0190 mg/L	0.00194	0.19%
Iron,7439-89-6†	3378.5	10.161 mg/L	0.2546	10.161 mg/L	0.2546	2.51%
Lead,7439-92-1†	25324.6	2.4837 mg/L	0.02849	2.4837 mg/L	0.02849	1.15%
Lithium,7439-93-2†	69714.9	0.9097 mg/L	0.01720	0.9097 mg/L	0.01720	1.89%
Magnesium,7439-95-4†	825.8	11.838 mg/L	0.0899	11.838 mg/L	0.0899	0.76%
Manganese,7439-96-5†	708511.5	0.9981 mg/L	0.00229	0.9981 mg/L	0.00229	0.23%
Molybdenum,7439-98-7†	14664.8	1.0941 mg/L	0.01208	1.0941 mg/L	0.01208	1.10%
Nickel,7440-02-0†	42570.1	1.0273 mg/L	0.00246	1.0273 mg/L	0.00246	0.24%
Potassium,7440-09-7†	61413.4	18.989 mg/L	0.3392	18.989 mg/L	0.3392	1.79%
Selenium,7782-49-2†	1149.1	1.1603 mg/L	0.00869	1.1603 mg/L	0.00869	0.75%
Silver,7440-22-4†	242966.3	0.9529 mg/L	0.00268	0.9529 mg/L	0.00268	0.28%
Sodium,7440-23-5†	267256.8	38.355 mg/L	0.7699	38.355 mg/L	0.7699	2.01%
Strontium,7440-24-6†	361494.9	0.9921 mg/L	0.00992	0.9921 mg/L	0.00992	1.00%
Thallium,7440-28-0†	644.5	1.0316 mg/L	0.01501	1.0316 mg/L	0.01501	1.46%
Tin,7440-31-5†	3788.0	1.0749 mg/L	0.01650	1.0749 mg/L	0.01650	1.54%
Titanium,7440-32-6†	508660.9	0.9675 mg/L	0.00219	0.9675 mg/L	0.00219	0.23%
Vanadium,7440-62-2†	155113.2	0.9565 mg/L	0.00261	0.9565 mg/L	0.00261	0.27%
Zinc,7440-66-6†	68172.2	1.0759 mg/L	0.00164	1.0759 mg/L	0.00164	0.15%
Zirconium,7440-67-7†	392151.8	1.0518 mg/L	0.00307	1.0518 mg/L	0.00307	0.29%

Sequence No.: 58
Sample ID: 117139
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 5X

Autosampler Location: 62
Date Collected: 08/31/2003 22:38:49

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 117139

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66832.3	95.922	%	0.0862				0.09%
Ar 420.067 R	1646073.8	107.89	%	0.096				0.09%
Scandium-IS	5550893.6	141.33	%	1.195				0.85%
Yttrium,7440-65-5A	2912791.2	140.51	%	1.157				0.82%
Yttrium,7440-65-5R	108546.5	147.27	%	1.842				1.25%
Aluminum,7429-90-5†	9.8	0.0408	mg/L	0.00995	0.2038	mg/L	0.04975	24.41%
Antimony,7440-36-0†	21.2	0.0126	mg/L	0.00209	0.0630	mg/L	0.01043	16.54%
Arsenic,7440-38-2†	6.9	0.0082	mg/L	0.00257	0.0410	mg/L	0.01284	31.29%
Barium,7440-39-3†	129.5	0.0012	mg/L	0.00002	0.0058	mg/L	0.00010	1.74%
Beryllium,7440-41-7†	1865.4	0.0006	mg/L	0.00004	0.0031	mg/L	0.00021	6.78%
Boron,7440-42-8†	2407.9	0.1011	mg/L	0.00597	0.5056	mg/L	0.02983	5.90%
Cadmium,7440-43-9†	6.9	0.0001	mg/L	0.00004	0.0003	mg/L	0.00020	65.57%
Calcium,7440-70-2†	1528.3	1.1258	mg/L	0.00471	5.6292	mg/L	0.02354	0.42%
Chromium,7440-47-3†	-333.7	-0.0036	mg/L	0.00042	-0.0178	mg/L	0.00210	11.85%
Cobalt,7440-48-4†	40.3	0.0010	mg/L	0.00005	0.0051	mg/L	0.00026	5.16%
Copper,7440-50-8†	-1010.7	-0.0038	mg/L	0.00029	-0.0189	mg/L	0.00145	7.64%
Iron,7439-89-6†	27.6	0.0831	mg/L	0.00623	0.4154	mg/L	0.03114	7.50%
Lead,7439-92-1†	2883.5	0.2828	mg/L	0.00443	1.4141	mg/L	0.02213	1.57%
Lithium,7439-93-2†	-180.5	-0.0024	mg/L	0.00057	-0.0118	mg/L	0.00287	24.40%
Magnesium,7439-95-4†	15.1	0.2169	mg/L	0.01644	1.0844	mg/L	0.08222	7.58%
Manganese,7439-96-5†	224.4	0.0003	mg/L	0.00001	0.0016	mg/L	0.00006	3.61%
Molybdenum,7439-98-7†	52.8	0.0039	mg/L	0.00073	0.0197	mg/L	0.00363	18.48%
Nickel,7440-02-0†	28.0	0.0007	mg/L	0.00031	0.0034	mg/L	0.00154	45.53%
Potassium,7440-09-7†	943.5	0.2917	mg/L	0.02853	1.4586	mg/L	0.14263	9.78%
Selenium,7782-49-2†	-11.3	-0.0114	mg/L	0.00133	-0.0570	mg/L	0.00664	11.67%
Silver,7440-22-4†	-657.3	-0.0026	mg/L	0.00024	-0.0128	mg/L	0.00119	9.27%
Sodium,7440-23-5†	3388.2	0.4862	mg/L	0.00802	2.4310	mg/L	0.04010	1.65%
Strontium,7440-24-6†	599.1	0.0016	mg/L	0.00004	0.0081	mg/L	0.00020	2.49%
Thallium,7440-28-0†	0.3	0.0006	mg/L	0.00202	0.0028	mg/L	0.01012	367.96%
Tin,7440-31-5†	-3.6	-0.0010	mg/L	0.00014	-0.0051	mg/L	0.00071	13.73%
Titanium,7440-32-6†	-247.8	-0.0005	mg/L	0.00037	-0.0024	mg/L	0.00186	79.09%
Vanadium,7440-62-2†	-1298.5	-0.0080	mg/L	0.00069	-0.0401	mg/L	0.00345	8.62%
Zinc,7440-66-6†	-1021.3	-0.0163	mg/L	0.00016	-0.0814	mg/L	0.00081	1.00%
Zirconium,7440-67-7†	42.9	0.0001	mg/L	0.00008	0.0006	mg/L	0.00042	73.43%

Sequence No.: 59
Sample ID: 20308290310
Analyst:
Nebulizer Back Pressure: 171.0 kPa

Autosampler Location: 63
Date Collected: 08/31/2003 22:45:59

Nebulizer Flow: 0.52 L/min

Sample Wt:
Dilution: 1X

Sample Prep Volume:
Data Type: Original

Mean Data: 20308290310

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66606.9	95.598	%	0.4642				0.49%
Ar 420.067 R	1652827.3	108.33	%	0.150				0.14%
Scandium-IS	5503825.4	140.13	%	1.443				1.03%
Yttrium,7440-65-5A	2890093.7	139.42	%	1.426				1.02%
Yttrium,7440-65-5R	106919.0	145.06	%	1.432				0.99%
Aluminum,7429-90-5†	12.1	0.0503	mg/L	0.00450	0.0503	mg/L	0.00450	8.94%
Antimony,7440-36-0†	0.9	0.0006	mg/L	0.00081	0.0006	mg/L	0.00081	134.76%
Arsenic,7440-38-2†	4.8	0.0056	mg/L	0.00230	0.0056	mg/L	0.00230	41.19%
Barium,7440-39-3†	51.6	0.0005	mg/L	0.00003	0.0005	mg/L	0.00003	7.42%
Beryllium,7440-41-7†	1253.4	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	0.69%
Boron,7440-42-8†	1725.8	0.0725	mg/L	0.00070	0.0725	mg/L	0.00070	0.97%
Cadmium,7440-43-9†	-16.8	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	10.75%
Calcium,7440-70-2†	162.2	0.1195	mg/L	0.00296	0.1195	mg/L	0.00296	2.48%
Chromium,7440-47-3†	-328.7	-0.0035	mg/L	0.00037	-0.0035	mg/L	0.00037	10.63%
Cobalt,7440-48-4†	28.3	0.0007	mg/L	0.00023	0.0007	mg/L	0.00023	32.74%
Copper,7440-50-8†	-1198.2	-0.0045	mg/L	0.00009	-0.0045	mg/L	0.00009	1.93%
Iron,7439-89-6†	22.5	0.0677	mg/L	0.00251	0.0677	mg/L	0.00251	3.71%
Lead,7439-92-1†	-32.3	-0.0032	mg/L	0.00114	-0.0032	mg/L	0.00114	36.03%
Lithium,7439-93-2†	50.8	0.0007	mg/L	0.00091	0.0007	mg/L	0.00091	137.63%
Magnesium,7439-95-4†	6.4	0.0918	mg/L	0.02812	0.0918	mg/L	0.02812	30.63%
Manganese,7439-96-5†	-797.1	-0.0011	mg/L	0.00002	-0.0011	mg/L	0.00002	1.79%
Molybdenum,7439-98-7†	28.5	0.0021	mg/L	0.00034	0.0021	mg/L	0.00034	16.13%
Nickel,7440-02-0†	26.7	0.0006	mg/L	0.00008	0.0006	mg/L	0.00008	12.57%
Potassium,7440-09-7†	354.2	0.1095	mg/L	0.01523	0.1095	mg/L	0.01523	13.91%
Selenium,7782-49-2†	-9.4	-0.0095	mg/L	0.00414	-0.0095	mg/L	0.00414	43.80%
Silver,7440-22-4†	-747.9	-0.0029	mg/L	0.00021	-0.0029	mg/L	0.00021	7.25%
Sodium,7440-23-5†	2501.0	0.3589	mg/L	0.00795	0.3589	mg/L	0.00795	2.22%
Strontium,7440-24-6†	138.7	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011	29.87%
Thallium,7440-28-0†	1.0	0.0016	mg/L	0.00178	0.0016	mg/L	0.00178	113.63%
Tin,7440-31-5†	2.6	0.0007	mg/L	0.00022	0.0007	mg/L	0.00022	30.36%
Titanium,7440-32-6†	-401.6	-0.0008	mg/L	0.00010	-0.0008	mg/L	0.00010	13.74%
Vanadium,7440-62-2†	-1306.4	-0.0081	mg/L	0.00036	-0.0081	mg/L	0.00036	4.47%
Zinc,7440-66-6†	-465.0	-0.0074	mg/L	0.00024	-0.0074	mg/L	0.00024	3.25%
Zirconium,7440-67-7†	-155.7	-0.0004	mg/L	0.00017	-0.0004	mg/L	0.00017	40.78%

Sequence No.: 60 9
Sample ID: 203082~~1~~1101
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt: SA62
Dilution: 1X 9-3-03

Autosampler Location: 64
Date Collected: 08/31/2003 22:53:10

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 203082~~1~~1101

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	65559.1	94.094	%	0.3962				0.42%
Ar 420.067 R	1606531.2	105.30	%	0.122				0.12%
Scandium-IS	5516671.3	140.46	%	1.896				1.35%
Yttrium,7440-65-5A	2882116.7	139.03	%	1.846				1.33%
Yttrium,7440-65-5R	105935.7	143.72	%	2.490				1.73%
Aluminum,7429-90-5†	125.4	0.5212	mg/L	0.01745	0.5212	mg/L	0.01745	3.35%
Antimony,7440-36-0†	18.6	0.0101	mg/L	0.00062	0.0101	mg/L	0.00062	6.10%
Arsenic,7440-38-2†	-3.5	-0.0035	mg/L	0.00722	-0.0035	mg/L	0.00722	203.79%
Barium,7440-39-3†	9770.4	0.0869	mg/L	0.00175	0.0869	mg/L	0.00175	2.01%
Beryllium,7440-41-7†	1530.2	0.0005	mg/L	0.00001	0.0005	mg/L	0.00001	1.26%
Boron,7440-42-8†	3141.9	0.1297	mg/L	0.00114	0.1297	mg/L	0.00114	0.88%
Cadmium,7440-43-9†	2334.9	0.0216	mg/L	0.00038	0.0216	mg/L	0.00038	1.76%
Calcium,7440-70-2†	62304.8	45.895	mg/L	0.0800	45.895	mg/L	0.0800	0.17%
Chromium,7440-47-3†	2866.5	0.0305	mg/L	0.00082	0.0305	mg/L	0.00082	2.68%
Cobalt,7440-48-4†	297.4	0.0075	mg/L	0.00015	0.0075	mg/L	0.00015	2.01%
Copper,7440-50-8†	47822.0	0.1812	mg/L	0.00353	0.1812	mg/L	0.00353	1.95%
Iron,7439-89-6†	2564.9	7.7144	mg/L	0.14604	7.7144	mg/L	0.14604	1.89%
Lead,7439-92-1†	2481.2	0.2433	mg/L	0.00580	0.2433	mg/L	0.00580	2.38%
Lithium,7439-93-2†	647.1	0.0084	mg/L	0.00038	0.0084	mg/L	0.00038	4.48%

Magnesium,7439-95-4†	1053.9	15.102 mg/L	0.2014	15.102 mg/L	0.2014	1.33%
Manganese,7439-96-5†	97808.8	0.1381 mg/L	0.00242	0.1381 mg/L	0.00242	1.75%
Molybdenum,7439-98-7†	572.9	0.0424 mg/L	0.00040	0.0424 mg/L	0.00040	0.94%
Nickel,7440-02-0†	2327.5	0.0562 mg/L	0.00118	0.0562 mg/L	0.00118	2.11%
Potassium,7440-09-7†	15249.8	4.7129 mg/L	0.02913	4.7129 mg/L	0.02913	0.62%
Selenium,7782-49-2†	-11.1	-0.0108 mg/L	0.00208	-0.0108 mg/L	0.00208	19.16%
Silver,7440-22-4†	-914.7	-0.0027 mg/L	0.00027	-0.0027 mg/L	0.00027	10.08%
Sodium,7440-23-5†	299073.4	42.920 mg/L	0.5876	42.920 mg/L	0.5876	1.37%
Strontium,7440-24-6†	75351.2	0.2056 mg/L	0.00607	0.2056 mg/L	0.00607	2.95%
Thallium,7440-28-0†	-0.4	-0.0006 mg/L	0.00237	-0.0006 mg/L	0.00237	396.93%
Tin,7440-31-5†	60.9	0.0164 mg/L	0.00081	0.0164 mg/L	0.00081	4.96%
Titanium,7440-32-6†	9852.3	0.0187 mg/L	0.00061	0.0187 mg/L	0.00061	3.25%
Vanadium,7440-62-2†	-419.9	-0.0031 mg/L	0.00091	-0.0031 mg/L	0.00091	29.90%
Zinc,7440-66-6†	3388093.9	53.719 mg/L	0.2762	53.719 mg/L	0.2762	0.51%
Zirconium,7440-67-7†	1694.7	0.0044 mg/L	0.00036	0.0044 mg/L	0.00036	8.06%

Sequence No.: 61
Sample ID: 20308290304
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 65
Date Collected: 08/31/2003 23:00:25
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 20308290304

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	66351.3	95.231	%	0.1627				0.17%
Ar 420.067 R	1613274.5	105.74	%	0.064				0.06%
Scandium-IS	5542679.4	141.12	%	2.219				1.57%
Yttrium,7440-65-5A	2905670.1	140.17	%	2.121				1.51%
Yttrium,7440-65-5R	107138.6	145.36	%	0.832				0.57%
Aluminum,7429-90-5†	19.1	0.0796	mg/L	0.01250	0.0796	mg/L	0.01250	15.72%
Antimony,7440-36-0†	102.7	0.0606	mg/L	0.00154	0.0606	mg/L	0.00154	2.55%
Arsenic,7440-38-2†	26.9	0.0325	mg/L	0.00197	0.0325	mg/L	0.00197	6.06%
Barium,7440-39-3†	436.6	0.0039	mg/L	0.00010	0.0039	mg/L	0.00010	2.57%
Beryllium,7440-41-7†	1143.6	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	1.33%
Boron,7440-42-8†	1660.9	0.0697	mg/L	0.00053	0.0697	mg/L	0.00053	0.76%
Cadmium,7440-43-9†	-17.0	-0.0002	mg/L	0.00003	-0.0002	mg/L	0.00003	18.97%
Calcium,7440-70-2†	7819.9	5.7606	mg/L	0.02047	5.7606	mg/L	0.02047	0.36%
Chromium,7440-47-3†	-298.4	-0.0032	mg/L	0.00034	-0.0032	mg/L	0.00034	10.60%
Cobalt,7440-48-4†	30.5	0.0008	mg/L	0.00010	0.0008	mg/L	0.00010	13.62%
Copper,7440-50-8†	-1118.2	-0.0042	mg/L	0.00025	-0.0042	mg/L	0.00025	6.02%
Iron,7439-89-6†	56.4	0.1697	mg/L	0.00981	0.1697	mg/L	0.00981	5.78%
Lead,7439-92-1†	20404.2	2.0012	mg/L	0.04329	2.0012	mg/L	0.04329	2.16%
Lithium,7439-93-2†	-155.3	-0.0020	mg/L	0.00028	-0.0020	mg/L	0.00028	13.65%
Magnesium,7439-95-4†	54.5	0.7815	mg/L	0.02269	0.7815	mg/L	0.02269	2.90%
Manganese,7439-96-5†	3547.9	0.0050	mg/L	0.00012	0.0050	mg/L	0.00012	2.42%
Molybdenum,7439-98-7†	28.4	0.0021	mg/L	0.00011	0.0021	mg/L	0.00011	5.46%
Nickel,7440-02-0†	30.8	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	17.90%
Potassium,7440-09-7†	2734.6	0.8454	mg/L	0.01002	0.8454	mg/L	0.01002	1.19%
Selenium,7782-49-2†	-9.2	-0.0093	mg/L	0.00578	-0.0093	mg/L	0.00578	62.10%
Silver,7440-22-4†	-735.0	-0.0029	mg/L	0.00015	-0.0029	mg/L	0.00015	5.31%
Sodium,7440-23-5†	17668.9	2.5356	mg/L	0.01633	2.5356	mg/L	0.01633	0.64%
Strontium,7440-24-6†	2907.5	0.0078	mg/L	0.00020	0.0078	mg/L	0.00020	2.59%
Thallium,7440-28-0†	-0.2	-0.0002	mg/L	0.00158	-0.0002	mg/L	0.00158	650.69%
Tin,7440-31-5†	-1.7	-0.0006	mg/L	0.00049	-0.0006	mg/L	0.00049	78.79%
Titanium,7440-32-6†	-285.0	-0.0005	mg/L	0.00007	-0.0005	mg/L	0.00007	12.64%
Vanadium,7440-62-2†	-1210.4	-0.0075	mg/L	0.00090	-0.0075	mg/L	0.00090	12.10%
Zinc,7440-66-6†	1258.1	0.0196	mg/L	0.00625	0.0196	mg/L	0.00625	31.86%
Zirconium,7440-67-7†	-99.0	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	66.41%

Sequence No.: 62
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 08/31/2003 23:07:37
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67084.6	96.284	%	0.5574				0.58%
Ar 420.067 R	1644409.2	107.78	%	0.144				0.13%
Scandium-IS	5509478.5	140.27	%	0.547				0.39%
Yttrium,7440-65-5A	2876019.6	138.74	%	0.491				0.35%
Yttrium,7440-65-5R	104524.8	141.81	%	0.559				0.39%
Aluminum,7429-90-5†	1169.4	4.8640	mg/L	0.04969	4.8640	mg/L	0.04969	1.02%
QC value within limits for Aluminum,7429-90-5 Recovery = 97.28%								
Antimony,7440-36-0†	18.8	-0.0013	mg/L	0.00073	-0.0013	mg/L	0.00073	56.71%
Arsenic,7440-38-2†	464.7	0.5808	mg/L	0.00387	0.5808	mg/L	0.00387	0.67%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 116.16%								
Barium,7440-39-3†	56267.8	0.5009	mg/L	0.00535	0.5009	mg/L	0.00535	1.07%
QC value within limits for Barium,7440-39-3 Recovery = 100.19%								
Beryllium,7440-41-7†	1486176.6	0.4882	mg/L	0.00254	0.4882	mg/L	0.00254	0.52%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.65%								
Boron,7440-42-8†	1040.1	0.0420	mg/L	0.00037	0.0420	mg/L	0.00037	0.87%
Cadmium,7440-43-9†	58169.3	0.5484	mg/L	0.00600	0.5484	mg/L	0.00600	1.09%
QC value within limits for Cadmium,7440-43-9 Recovery = 109.68%								
Calcium,7440-70-2†	6952.4	5.1196	mg/L	0.03165	5.1196	mg/L	0.03165	0.62%
QC value within limits for Calcium,7440-70-2 Recovery = 102.39%								
Chromium,7440-47-3†	45851.9	0.4874	mg/L	0.00442	0.4874	mg/L	0.00442	0.91%
QC value within limits for Chromium,7440-47-3 Recovery = 97.48%								
Cobalt,7440-48-4†	20438.6	0.5142	mg/L	0.00551	0.5142	mg/L	0.00551	1.07%
QC value within limits for Cobalt,7440-48-4 Recovery = 102.85%								
Copper,7440-50-8†	126657.1	0.4763	mg/L	0.00508	0.4763	mg/L	0.00508	1.07%
QC value within limits for Copper,7440-50-8 Recovery = 95.27%								
Iron,7439-89-6†	1706.6	5.1321	mg/L	0.03451	5.1321	mg/L	0.03451	0.67%
QC value within limits for Iron,7439-89-6 Recovery = 102.64%								
Lead,7439-92-1†	5552.4	0.5446	mg/L	0.00325	0.5446	mg/L	0.00325	0.60%
QC value within limits for Lead,7439-92-1 Recovery = 108.92%								
Lithium,7439-93-2†	34463.6	0.4497	mg/L	0.00090	0.4497	mg/L	0.00090	0.20%
QC value within limits for Lithium,7439-93-2 Recovery = 89.94%								
Magnesium,7439-95-4†	382.9	5.4868	mg/L	0.02549	5.4868	mg/L	0.02549	0.46%
QC value within limits for Magnesium,7439-95-4 Recovery = 109.74%								
Manganese,7439-96-5†	350783.1	0.4941	mg/L	0.00115	0.4941	mg/L	0.00115	0.23%
QC value within limits for Manganese,7439-96-5 Recovery = 98.83%								
Molybdenum,7439-98-7†	13.6	0.0010	mg/L	0.00051	0.0010	mg/L	0.00051	51.31%
Nickel,7440-02-0†	21201.6	0.5117	mg/L	0.00444	0.5117	mg/L	0.00444	0.87%
QC value within limits for Nickel,7440-02-0 Recovery = 102.34%								
Potassium,7440-09-7†	30018.4	9.2821	mg/L	0.01574	9.2821	mg/L	0.01574	0.17%
QC value within limits for Potassium,7440-09-7 Recovery = 92.82%								
Selenium,7782-49-2†	550.7	0.5560	mg/L	0.00575	0.5560	mg/L	0.00575	1.03%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = 111.21%								
Silver,7440-22-4†	118835.2	0.4661	mg/L	0.00360	0.4661	mg/L	0.00360	0.77%
QC value within limits for Silver,7440-22-4 Recovery = 93.21%								
Sodium,7440-23-5†	127678.2	18.324	mg/L	0.2273	18.324	mg/L	0.2273	1.24%
QC value within limits for Sodium,7440-23-5 Recovery = 91.62%								
Strontium,7440-24-6†	177536.4	0.4873	mg/L	0.00603	0.4873	mg/L	0.00603	1.24%
QC value within limits for Strontium,7440-24-6 Recovery = 97.46%								
Thallium,7440-28-0†	318.3	0.5094	mg/L	0.00642	0.5094	mg/L	0.00642	1.26%
QC value within limits for Thallium,7440-28-0 Recovery = 101.89%								
Tin,7440-31-5†	-5.4	-0.0013	mg/L	0.00035	-0.0013	mg/L	0.00035	26.41%
Titanium,7440-32-6†	81.7	0.0002	mg/L	0.00038	0.0002	mg/L	0.00038	245.74%
Vanadium,7440-62-2†	77520.1	0.4778	mg/L	0.00509	0.4778	mg/L	0.00509	1.07%
QC value within limits for Vanadium,7440-62-2 Recovery = 95.56%								
Zinc,7440-66-6†	33934.2	0.5349	mg/L	0.00561	0.5349	mg/L	0.00561	1.05%
QC value within limits for Zinc,7440-66-6 Recovery = 106.99%								
Zirconium,7440-67-7†	152208.0	0.4083	mg/L	0.01359	0.4083	mg/L	0.01359	3.33%
QC value less than the lower limit for Zirconium,7440-67-7 Recovery = 81.66%								

QC Failed. Continue with analysis.

Sequence No.: 63
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution:

Autosampler Location: B
Date Collected: 08/31/2003 23:14:58

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	67517.0	96.905	%	0.2627				0.27%
Ar 420.067 R	1643865.2	107.75	%	0.282				0.26%
Scandium-IS	5467045.2	139.19	%	0.653				0.47%
Yttrium,7440-65-5A	2868188.4	138.36	%	0.679				0.49%
Yttrium,7440-65-5R	104622.6	141.94	%	2.115				1.49%
Aluminum,7429-90-5†	7.9	0.0322	mg/L	0.01697	0.0322	mg/L	0.01697	52.70%
Antimony,7440-36-0†	905.0	0.5342	mg/L	0.00403	0.5342	mg/L	0.00403	0.75%
QC value within limits for Antimony,7440-36-0 Recovery = 106.84%								
Arsenic,7440-38-2†	3.7	0.0040	mg/L	0.00144	0.0040	mg/L	0.00144	35.73%
Barium,7440-39-3†	-17.2	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	58.25%
Beryllium,7440-41-7†	2449.5	0.0007	mg/L	0.00003	0.0007	mg/L	0.00003	3.90%
Boron,7440-42-8†	59810.5	2.5124	mg/L	0.04420	2.5124	mg/L	0.04420	1.76%
QC value within limits for Boron,7440-42-8 Recovery = 100.50%								
Cadmium,7440-43-9†	-0.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	375.19%
Calcium,7440-70-2†	-37.6	-0.0312	mg/L	0.00191	-0.0312	mg/L	0.00191	6.11%
Chromium,7440-47-3†	-284.0	-0.0031	mg/L	0.00003	-0.0031	mg/L	0.00003	0.98%
Cobalt,7440-48-4†	78.6	0.0010	mg/L	0.00007	0.0010	mg/L	0.00007	6.91%
Copper,7440-50-8†	-1107.5	-0.0043	mg/L	0.00019	-0.0043	mg/L	0.00019	4.39%
Iron,7439-89-6†	19.2	0.0582	mg/L	0.00902	0.0582	mg/L	0.00902	15.51%
Lead,7439-92-1†	-43.6	-0.0044	mg/L	0.00093	-0.0044	mg/L	0.00093	21.25%
Lithium,7439-93-2†	-199.9	-0.0026	mg/L	0.00050	-0.0026	mg/L	0.00050	19.04%
Magnesium,7439-95-4†	5.1	0.0750	mg/L	0.01175	0.0750	mg/L	0.01175	15.66%
Manganese,7439-96-5†	-972.1	-0.0013	mg/L	0.00005	-0.0013	mg/L	0.00005	3.58%
Molybdenum,7439-98-7†	7287.1	0.5437	mg/L	0.00175	0.5437	mg/L	0.00175	0.32%
QC value within limits for Molybdenum,7439-98-7 Recovery = 108.74%								
Nickel,7440-02-0†	8.0	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	138.30%
Potassium,7440-09-7†	406.5	0.1252	mg/L	0.02459	0.1252	mg/L	0.02459	19.64%
Selenium,7782-49-2†	-8.1	-0.0082	mg/L	0.00465	-0.0082	mg/L	0.00465	56.92%
Silver,7440-22-4†	320.7	0.0012	mg/L	0.00025	0.0012	mg/L	0.00025	20.03%
Sodium,7440-23-5†	-373.6	-0.0537	mg/L	0.00300	-0.0537	mg/L	0.00300	5.60%
Strontium,7440-24-6†	-24.0	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	59.09%
Thallium,7440-28-0†	-1.0	-0.0016	mg/L	0.00056	-0.0016	mg/L	0.00056	34.32%
Tin,7440-31-5†	1894.1	0.5374	mg/L	0.00341	0.5374	mg/L	0.00341	0.64%
QC value within limits for Tin,7440-31-5 Recovery = 107.48%								
Titanium,7440-32-6†	255561.9	0.4861	mg/L	0.00090	0.4861	mg/L	0.00090	0.18%
QC value within limits for Titanium,7440-32-6 Recovery = 97.22%								
Vanadium,7440-62-2†	-2989.6	-0.0182	mg/L	0.00078	-0.0182	mg/L	0.00078	4.26%
Zinc,7440-66-6†	-700.4	-0.0105	mg/L	0.00007	-0.0105	mg/L	0.00007	0.63%
Zirconium,7440-67-7†	200062.8	0.5366	mg/L	0.00436	0.5366	mg/L	0.00436	0.81%

All analytes passed QC.

Sequence No.: 64
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 171.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 08/31/2003 23:22:14

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	67085.8	96.286	%	0.2361				0.25%
Ar 420.067 R	1643045.0	107.69	%	0.161				0.15%
Scandium-IS	5403752.7	137.58	%	1.367				0.99%
Yttrium,7440-65-5A	2848867.0	137.43	%	1.371				1.00%
Yttrium,7440-65-5R	104059.6	141.18	%	2.626				1.86%
Aluminum,7429-90-5†	9.7	0.0404	mg/L	0.00857	0.0404	mg/L	0.00857	21.24%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	1.1	0.0007	mg/L	0.00034	0.0007	mg/L	0.00034	46.30%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.5	0.0029	mg/L	0.00296	0.0029	mg/L	0.00296	102.33%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	35.5	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	14.30%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	1119.8	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	8.73%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1350.2	0.0567	mg/L	0.00201	0.0567	mg/L	0.00201	3.55%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-14.3	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	41.24%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								

Calcium,7440-70-2† -25.5 -0.0188 mg/L 0.00290 -0.0188 mg/L 0.00290 15.41%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated
Chromium,7440-47-3† -309.3 -0.0033 mg/L 0.00023 -0.0033 mg/L 0.00023 7.01%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated
Cobalt,7440-48-4† 28.0 0.0007 mg/L 0.00021 0.0007 mg/L 0.00021 30.17%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated
Copper,7440-50-8† -1243.4 -0.0047 mg/L 0.00006 -0.0047 mg/L 0.00006 1.25%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated
Iron,7439-89-6† 20.7 0.0621 mg/L 0.00617 0.0621 mg/L 0.00617 9.94%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = Not calculated
Lead,7439-92-1† -26.4 -0.0026 mg/L 0.00046 -0.0026 mg/L 0.00046 17.86%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2† -71.6 -0.0009 mg/L 0.00016 -0.0009 mg/L 0.00016 17.46%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4† 5.5 0.0788 mg/L 0.01365 0.0788 mg/L 0.01365 17.32%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = Not calculated
Manganese,7439-96-5† -699.2 -0.0010 mg/L 0.00004 -0.0010 mg/L 0.00004 4.23%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7† 36.6 0.0027 mg/L 0.00071 0.0027 mg/L 0.00071 25.90%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† 14.4 0.0003 mg/L 0.00019 0.0003 mg/L 0.00019 54.23%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7† 248.4 0.0768 mg/L 0.01977 0.0768 mg/L 0.01977 25.74%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† -8.5 -0.0086 mg/L 0.00652 -0.0086 mg/L 0.00652 76.08%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silver,7440-22-4† -625.4 -0.0024 mg/L 0.00025 -0.0024 mg/L 0.00025 10.05%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† -457.8 -0.0657 mg/L 0.00873 -0.0657 mg/L 0.00873 13.29%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† -20.9 -0.0001 mg/L 0.00022 -0.0001 mg/L 0.00022 381.69%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† -0.6 -0.0010 mg/L 0.00307 -0.0010 mg/L 0.00307 318.01%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 4.3 0.0012 mg/L 0.00074 0.0012 mg/L 0.00074 61.80%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† -528.9 -0.0010 mg/L 0.00015 -0.0010 mg/L 0.00015 14.52%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -1084.4 -0.0067 mg/L 0.00051 -0.0067 mg/L 0.00051 7.55%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -627.4 -0.0100 mg/L 0.00002 -0.0100 mg/L 0.00002 0.23%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -106.9 -0.0003 mg/L 0.00015 -0.0003 mg/L 0.00015 52.92%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

METALS PREPARATION LOG

ACID DIGESTION OF AQUEOUS SAMPLES

PREP METHOD: ICP 200.7 / 3010A
GFAA 2xx.x / 3020A , 7060A, 7740
HG 245.1 / 7470A

DATE: 8-29-03
TIME: 12:00
ANALYST: JTL

MOD BLOCK ID: A

261921

CLIENT	GCAL ID	ICP INITIAL VOLUME (ml)	ICP FINAL VOLUME (ml)	GFAA INITIAL VOLUME (ml)	GFAA FINAL VOLUME (ml)	HG INITIAL VOLUME (ml)	HG FINAL VOLUME (ml)
20030829 WC	MB	50	50	50	50	20	20
20030829 WC	LCS	50	50	50	50	20	20
CH2M Hill	20308290301						
	20308290302MS						
	20308290303MSD						
	20308290304Dup						
	20308290305						

	ID/LOT NO.	VOLUME ADDED (uL)
ICP Spike	334-17-14	500
GFAA Spike	—	500
HG Spike	—	100
HG ICV	—	
H2SO4	—	
KMNO4	—	
K2S2O6	—	
HCl	334-18-3	
HNO3	334-18-6	
H2O2	—	

MERCURY CALIBRATION ID: _____
0.1 ppm CCV working solution: _____
0.1 ppm ICV working solution: _____

Calib. Blk	Conc. (ug/L)	Spk. Added	Final volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 uL	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

~~000039~~

METALS PREPARATION LOG

ACID DIGESTION OF AQUEOUS SAMPLES

PREP METHOD: ICP 200.7 / 3010A
GFAA 2xx.x / 3020A , 7060A, 7740
HG 245.1 / 7470A

DATE: 8/29/03
TIME: 12:00
ANALYST: JEC

MOD BLOCK ID: A

Dissolved filtered in the lab 261922

CLIENT	GCAL ID	ICP INITIAL VOLUME (ml)	ICP FINAL VOLUME (ml)	GFAA INITIAL VOLUME (ml)	GFAA FINAL VOLUME (ml)	HG INITIAL VOLUME (ml)	HG FINAL VOLUME (ml)
3630829 W3	ME	50	50	50	50	20	20
3030829 W3	LCS	50	50	50	50	20	20
CH2M Hill	20308290306						
	20308290307MS						
	20308290308MSD						
	20308290309D						
JEC 8/29/03	~~LCSD~~						
	20308290310	50	50				

	ID/LOT NO.	VOLUME ADDED (uL)
ICP Spike	334-17-14	500
GFAA Spike	—	500
HG Spike	—	100
HG ICV	—	
H2SO4	—	
KMNO4	—	
K2S2O6	—	
HCl	334-18-3	
HNO3	334-19-6	
H2O2	—	

MERCURY CALIBRATION ID: _____
0.1 ppm CCV working solution: _____
0.1 ppm ICV working solution: _____

Calib. Blk	Conc. (ug/L)	Spk. Added	Final volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 uL	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

~~000033~~

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
STD 2	106-25-1	GCALI-2	inorganic ventures	SMEB126045 9-1-03	2ml	200 ml	varied	102-20-5	MAP	8-12-03	9-1-03 MAP 8-12-03 ~~9-12-03~~
STD 1	106-25-2	GCALI-1	inorganic ventures	SMEB126044 9-1-03 B MAP 8/13/03	2ml	200ml	varied	102-20-5	MAP	8-13-03	9-1-03 MAP 8-12-03 ~~9-13-03~~
↓	↓	1000 ppm P	CPI	11M062 2-21-04	2ml	200ml	↓	102-20-5	↓	↓	↓
CRDL	106-25-3	GCALI-3	inorganic ventures	WMEB150037 3-21-04	100 µl	100ml	varied	102-20-5	MAP	8-14-03	MAP 8/14/03 ~~8-~~ 9-14-03
↓	↓	GCALI-4	↓	WMEB150038 3-21-04	↓	↓	↓	↓	↓		
ICSAB	106-25-4	Int A	Spex	23-152 AS 10-15-03	8 ml	200 ml	varied	102-20-5	JAC	8-15-03	9-15-03
↓	↓	Analyte B	↓	22-67 AS 11-30-03	2ml	↓	↓	↓	↓	↓	↓
↓	↓	AIT Analyte B	↓	22-135 AS 3-15-04	2ml	↓	↓	↓	↓	↓	↓
CIP CA. mg. K. NA	106-25-5	1000 ppm CA	CPI	2DT028 10-25-03	10 ml	50ml	200 ppm	102-20-5	JAC	8-15-03	9-15-03
↓	↓	mg	Exaxol	021217 6-04	↓	↓	↑	↓	↓	↑	↓
↓	↓	K	Exaxol	030409 10-04	↓	↓	↓	↓	↓	↓	↓
↓	↓	NA	Exaxol	030212 8-04	↓	↓	↓	↓	↓	↓	↓
CIP Sb	106-25-6	1000 ppm Sb	Exaxol	030409 4-04	5 ml	50 ml	100 ppm	102-20-5	JAC	8-15-03	9-15-03
CIP spk 3	106-25-7	1000 ppm AS	Spex	8-162 AS 10-15-03	400 ul	50 ml	8 ppm	102-20-5	JAC	8-15-03	9-15-03
↓	↓	Cd	Spex	8-163CD 10-15-03	500 ul	↓	10	↓			
↓	↓	Pb	Spex	9-14PB 10-15-03	200 ul	↓	4	↓			
↓	↓	Se	Spex	9-235e 10-15-03	100 ul	↓	2	↓			
↓	↓	Tl	Exaxol	030411 10-04	500 ul	↓	10	↓			

000082

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
Zr ICV	106-26-1	1000 ppm Zr	Spex	9-169ZR 4-26-03	10 µl	10 ml	1.00 ppm	102-20-5	MAP	8-18-03	9-18-03
STD 2	106-26-2	GCALI-2	inorganic ventures	S1408126045 9-1-03	2ml	200ml	varied	102-20-5	MAP	8-19-03	9-1-03 MAP 8-19-03 ~~9-19-03~~
ICV 1	106-26-3	21 element mix	CPI	0K5054 3-30-04	2ml	200 ml	1.00 ppm	102-20-5	MAP	8-19-03	9-19-03
↓	↓	1000 ppm Ag	Exaxol	021217 6/04	200 µl	↓	↓	↓	↓	↓	↓
STD 1	106-26-4	GCALI-1	inorganic ventures	SME8126044 9-1-03	2 ml	200ml	varied	102-20-5	MAP	8-19-03	9-1-03 MAP 8-19-03 ~~9-19-03~~
↓	↓	1000 ppm P	CPI	11M062 2-2-04	2ml	↓	↓	↓	↓	↓	↓

VOID DAC 8-20-03

000083

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
organometallic Hg spike	106-28-1	100 ppm Hg	Conostan	15516 / 01-04	0.9985 g	9.9[illegible] g	9.995 ppm	Lot 29 20 Base Oil	JEL/SM	8/25/03	9/25/03
organometallic GFAA spike	106-28-2	100 ppm As	↓	17712 / 01-04	1.0020 g	10.0051 g	10.015 ppm	↓	↓	↓	↓
↓	↓	100 ppm Se	↓	14313 / 01-04	1.0088 g	↓	10.083 ppm	↓	↓	↓	↓
STD 1	106-28-3	GCALI-1	Inorganic Vent	SMeB126044 10-1-03	2 ml	200 ml	varied	102-21-17	JAC	8-26-03	9-26-03
↓	↓	1000 ppm Zr	Exaxol	030113 7-04	200 ul	↓	↓	↓	↓	↓	↓
3020 Spk	106-28-4	1000 ppm As	Spex	8-162 AS 10-15-03	400 ul	100 ml	4 ppm	102-21-17	JAC	8-26-03	9-26-03
↓	↓	↓ Se	Spex	~~8-162~~ JAC 8-26-03 9-23SE 10-15-03	400 ul	↓	4	↓	↓	↓	↓
↓	↓	↓ Tl	Exaxol	030411 10-04	500 ul	↓	5	↓	↓	↓	↓
8/26/03	Dates 7/28/03 - 8/26/03				Reviewed	By CPA/DR					
organometallic Hg Spike	106-28-5	100 ppm Hg	conostan	15516 / 01-04	1.0013	10.0009	10 ppm	Base oil Lot #29	JEL/AEL	8-28-03	9-28-03
1.00 ppm As	106-28-6	1000 ppm As	Spex	8-162 As 10-15-03	100 ul	100 ml	1.00 ppm	2% HNO_3 102-21-17	MAP	8-28-03	9-28-03
↓ Se	↓	1000 ppm Se	Spex	9-23SE 10-15-03	↓	↓	↓	↓	↓	↓	↓
↓ Tl	↓	1000 ppm Th	Exaxol	030411 10/04	↓	↓	↓	↓	↓	↓	↓
STD 1	106-28-7	GCALI-1	inorganic Ventures	SMeB126044 10-1-03	2 ml	200 ml	varied	102-21-17	JAC	8-31-03	9-30-03
↓	↓	1000 ppm Zr	Exaxol	030113 7-04	200 ul	↓	↓	↓	↓	↓	↓
STD 2	106-28-8	GCALI-2	inorganic Ventures	SMeB126045 10-1-03	2 ml	200 ml	Varied	102-21-17	JAC	8-31-03	9-30-03
CRDL	106-28-9	CCAL-3	inorganic Ventures	W-MeB150037 4-1-04	100 ul	100 ml	Varied	102-21-17	JAC	8-31-03	9-30-03
↓	↓	CC-CAL-4	↓	W-MeB150038 4-1-04	↓	↓	↓	↓	↓	↓	↓

000084

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ICU 2	106-29-1	1000 ppm Al	Exaxol	021217 6-04	2 ml	200 ml ~~Usted~~ JAC 8-31-03	varied	102-21-17	JAC	8-31-03	9-30-03
		NA		030212 8-04							
		K		030409 10-04							
		B		030825 2-05	1 ml						
		BA	Spex	9-63BA 10-15-03	200 ul						
		Sn	Exaxol	030212 8-04							
		Zr		030303 9-04							
ICSA	106-29-2	Int A	Spex	23-152AS 10-15-03	8 ml	200 ml	varied	102-21-17	JAC	8-31-03	9-30-03

000085

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
Hgcali. ICV	334-17-1	1ppm Hg	in House	106-15-7	1 mL	10 mL	0.1ppm		JEL	7-2-03	8-2-03
KMNO4	334-17-2	Potassium Permanagnate	Fisher	027074					JEL	7-10-03	7-10-04
HNO_3	334-17-3	CONC. HNO_3	Fisher	1103010					JEL	7-10-03	7-10-04
HNO_3	334-17-4	CONC. HNO_3	Fisher	1103010					JEL	7-15-03	7-15-04
HCL	334-17-5	CONC. HCL	Fisher	4102080					JEL	7-21-03	7-21-04
HNO_3	334-17-6	CONC. HNO_3	Fisher	1103030					JEL	7-22-03	7-22-04
Hgcali. CCV	334-17-7	1ppm Hg	in House	106-22-5	1mL	10 mL	0.1ppm		JEL	7-22-03	8-22-03
Hgcali. ICV	334-17-8	↓	↓	106-22-3	↓	↓	↓		↓	↓	↓
KMNO4	334-17-9	Potassium Permanagnate	Fisher	027074	100g	2000mL			JEL	7-23-03	7-23-04
$K_2S_2O_8$	334-17-10	Potassium Persulfate	Fisher	030333	100g	2000mL			JEL	7-24-03	7-24-04
HNO_3	334-17-11	CONC. HNO_3	Fisher	1103030					JEL	7-30-03	7-30-04
KMNO4	334-17-12	Potassium Permanganate	Fisher	030231	100g	2000 mL			JEL	7-31-03	7-31-04
HCL	334-17-13	CONC. HCL	Fisher	4102080					JEL	8-5-03	8-5-04
ICPSpiking Slns	334-17-14	6CALI-1	Inorganic Ventures	SMEB 126044					JEL	8-5-03	10-1-03
↓	↓	6CALI-2	↓	SMEB 126045					↓	↓	↓
Hgcali. CCV	334-17-15	1ppm Hg	in House	106-24-4	1mL	10mL	0.1ppm		JEL	8-6-03	9-30-03
Hgcali. ICV	334-17-16	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓
HNO_3	334-17-17	CONC. HNO_3	Fisher	1103030					JEL	8-8-03	8-8-04
Hgcali. CCV	334-17-18	1ppm Hg	in House	106-24-4	1mL	10mL	0.1ppm		JEL	8-11-03	9-11-03
Hgcali. ~~CCV~~ ICV	334-17-19	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓
HNO_3 SABB 8-25-03	334-17-20	CON. HNO_3	Fisher	1103050					JEL	8-14-03	8-14-04
KMNO4	334-17-21	Potassium Permanagnate	Fisher	030231	100g	2000mL			JEL	8-15-03	8-15-04

REAG LOG 1-6-95

980000

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
HNO_3	334-18-1	CONC. HNO_3	Fisher	1103030					JEL	8/19/03	8/19/04
$KMNO_4$	334-18-2	Potassium Permanganate	Fisher	030831	50g	1000 mL			JEL	8/19/03	8/19/04
HCL	334-19-3	CONC. HCL	Fisher	4102110					JEL	8/25/03	8/25/04
Hg cali. CCV	334-18-4	1ppm Hg	in House	106-24-4	1 mL	10 mL	0.1ppm		JEL	8/25/03	8/25/04
Hg cali. ICV	334-18-5	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓
HNO_3	334-18-6	CONC. HNO_3	Fisher	1103050					JEL	8/27/03	8/27/04
Hg cali. CCV	334-18-7	1ppm Hg	in House	106-24-4	1 mL	10 mL	0.1ppm		JEL	8/27/03	8/27/04
Hg cali. ICV	334-18-8	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓
Hg cali. CCV	334-18-9	1ppm Hg	in House	106-24-4	1 mL	10 mL	0.1ppm		JEL	8-29-03	8-29-04
Hg cali. ICV	334-18-10	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓
$KMNO_4$	334-18-11	Potassium Permanganate	Fisher	030831	100g	2000 mL			JEL	9-2-03	9-2-04
$K_2S_2O_8$	334-18-12	Potassium Persulfate	Fisher	030333	100g	2000 mL			JEL	9-2-03	9-2-04
Hg cali. CCV	334-18-13	1ppm Hg	in House	106-24-4	1 mL	10 mL	0.1ppm		JEL	9-3-03	9-3-04
Hg ICV. (cali.)	334-18-14	↓	↓	106-24-5	↓	↓	↓		↓	↓	↓

REAG LOG 1-6-95

000087

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER
148799-057

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Former NAS Cecil Field	148799	Gulf Coast Labs. Dano Merril	Tracy Bennett, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Skeet Range Surface Water Sampling	CTO 005	4139	Bonnie Hogue CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Tracy Bennett, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Ph:(225) 769-4900		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	unfiltered Lead Only by 6010B	Lab filtered Lead Only by 6010B									SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	05-49SW082803	Site 49 Surface Water	W	08/28/03	15:45	III/C	7	3	3									Grab	(DUP) 08,07,08,09 MS/MSD	429-01,02,0
2	05-49EQB082803	Equipment Blank	W	08/28/03	15:35	III/C	7	1	1									Grab	10 -05	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Randy Dumaop / Anthony Cain J.A. Jones Environmental Services	FedEx Tracking #7908 8510 2839. .	3°C Good

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Randy Dumaop, J.A. Jones Environmental Services	8/28/2003	18:00	Printed Name and Signature: FedEx Tracking #	8/28/2003	18:00
Printed Name and Signature: FedEx. 790885102839	8-29-03	0945	Printed Name and Signature: Daria Haydel	8-29-03	0945

Distribution: | | Original - Laboratory (To be returned with Analytical Report); | | Copy 1 - Project File; | | Copy 2 - PMO

Form CCI001, Rev 02/00

000088

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	203082903	Type:	D
Desc:		Report:	REVIEW_RPT
Work ID:	NAS Cecil Field	Status:	WP
Project Seq:	14860	Created:	8/29/03 10:04
Client:	4380 - CH2M HILL Constructors Inc.	QA:	
Profile:	29790 - CTO 0005 - NAS Cecil Field	PO:	4139

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20308290301-1	OC	HNO3	✓					X	OK
20308290302-1	OC	HNO3	✓					X	OK
20308290303-1	OC	HNO3	✓					X	OK
20308290304-1	OC	HNO3	✓					X	OK
20308290305-1	OC	HNO3	✓					X	OK
20308290306-1	OC	~~HNO3~~ NONE						X	OK
20308290307-1	OC	~~HNO3~~ NONE						X	OK
20308290308-1	OC	~~HNO3~~ NONE						X	OK
20308290309-1	OC	~~HNO3~~ NONE						X	OK
20308290310-1	OC	~~HNO3~~ NONE						X	OK

8/29/03 Dut

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [✓] Yes [ ] No
in tact [✓] Yes [ ] No

CUSTODIAN: DLH

NAS Cecil Field

PREPARED FOR: Former NAS Cecil Field/Site 49 – Skeet Range Surface Water Sampling

FINAL REVEIWER: Camden Robinson/ Associate Project Chemist/CCI

COPIES: Mike Halil/J.A Jones Env. Services

DATE: October 29, 2003

SUBJECT: Quality Assessment for Samples Collected August 2003

CH2M Hill Constructors Inc. (CCI), on behalf of the Naval Air Station in, Jacksonville, Florida contract task order (CTO) 05, has prepared this analytical quality assurance report (QAR) to provide the results of CCI's comprehensive review. This QAR is a synopsis of analytical data generated for water samples and associated field quality control samples collected August 2003. The samples were collected during the skeet range surface water sampling event at site 49 in Jacksonville, Florida. Table 1-1 presents a summary of the CCI sample identification numbers, dates of collection, and the analyses performed.

Gulf Coast Laboratory of Baton Rouge, Louisiana served as the laboratory for this sampling event for the following analysis:

- Total and Dissolved Lead by SW846 method 6010B

Table 1-1 *Summary Sample Data Reviewed*
Former NAS Cecil Field

Sample Number	Lab Sample ID	Parent Sample ID	Date Sampled	Analysis Required
05-49SW082803	203082903-01		08/28/2003	[1]
05-49EQB082803	203082903-05		08/28/2003	[1]

ANALYSES PERFORMED CODES:

[1] – Total and Dissolved Lead by SW846 method 6010B

Data for the analyses were reviewed for adherence to the specified analytical protocols in accordance with CCI Sampling Analysis Plan. All analysis results have been validated or qualified according to general guidance provided in the " National Functional Guidelines for Organic and Inorganic Data Review," EPA 540/OR-99/008, October 1999 and EPA 540/R-94/013, February 1994. Additionally, the data were evaluated for adherence to the Department of Defense (DOD) Quality Systems Manual-Version 2 June 2002.

The findings of this quality assurance report are based upon the comprehensive review of the following results summaries reported according to the CCI Level C (CLP-like data deliverables format): chain of custody documentation, holding times, laboratory method and field blank analyses, matrix spike compound recoveries and reproducibility, initial and continuing calibration, target compound identification, laboratory control sample results, laboratory and blind field duplicate sample results, detection limits/sensitivity, ICP interference check sample results, ICP serial dilution results, metals post digestion spikes, and electronic data deliverables.

The analyses were performed acceptably. Any aspects of the data, which are not discussed in this report, should be considered qualitatively and quantitatively valid as reported, based on the deliverables reviewed. A result summary report presenting the validated and qualified results is presented in Attachment I.

Summary

The analyses were performed acceptably and required no qualifying statements from the laboratory or from the data evaluation. A support documentation package has been prepared for this quality assurance review and is filed with the Former NAS Cecil Field/Site 49-Skeet Range Surface Water sampling project file.

Attachment I

QUALIFIER	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

QUALIFICATION CODE REFERENCE

Qualifier	Organics	Inorganics
H	Holding times were exceeded.	Holding times were exceeded.
S	Surrogate recovery was outside QC limits.	The sequence or number of standards used for the calibration was incorrect.
C	Calibration %RSD or %D was noncompliant.	Correlation coefficient is <0.995.
R	Calibration RRF was <0.05.	%R for calibration is not within control limits.
B	Presumed contamination from preparation (method) blank.	Presumed contamination from preparation (method) blank or calibration blank.
L	Laboratory Blank Spike/Blank Spike Duplicate %R was not within control limits.	Laboratory Control Sample %R was not within control limits.
Q	MS/MSD recovery was poor or RPD high.	MS recovery was poor.
Z	Duplicates RPD showed poor agreement.	Duplicates RPD showed poor agreement
I	Internal standard performance was unsatisfactory.	ICP ICS results were unsatisfactory.
A	Not applicable.	ICP Serial Dilution %D was not within control limits.
M	Tuning (BFB or DFTPP) was noncompliant.	Not applicable.
T	Presumed contamination from trip blank.	Not applicable.
+	False positive—reported compound was not present.	Not applicable.
-	False negative—compound was present but not reported.	Not applicable.
F	Presumed contamination from FB or ER.	Presumed contamination from FB or ER
$	Reported result or other information was incorrect.	Reported result or other information was incorrect.
?	TIC identity or reported retention time has been changed.	Not applicable.
D	The analysis with this flag should not be used because another more technically sound analysis is available.	The analysis with this flag should not be used because another more technically sound analysis is available.
P	Instrument performance for pesticides was poor.	Poor Digestion Spike recovery was not within control limits.
*#	Unusual problems found with the data that have been described in Section 2, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.	Unusual problems found with the data that have been described in Section 2, "Data Validation Findings." The number following the asterisk (*) will indicate the subsection where a description of the problem can be found.

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290301

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.93	mg/L		0.0016	0.015	SW-846 6010B	P

C.L.R

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: (soil / water) Water

Level: (low / med) % Solids:

Date Received: 08/29/03 Time: 0945

Sample ID: 05-49EQB082803

Contract:

SAS No.: SDG No.: 203082903

Lab Sample ID: 20308290305

Date Collected: 08/28/03 Time: 1535

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.015	mg/L	U	0.0016	0.015	SW-846 6010B	P

C.L.R

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Sample ID: 05-49SW082803 (DISS)

Lab Code: LA024 Case No.:

Contract:

Matrix: (soil / water) Water

SAS No.: SDG No.: 203082903

Level: (low / med) % Solids:

Lab Sample ID: 20308290306

Date Received: 08/29/03 Time: 0945

Date Collected: 08/28/03 Time: 1545

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	1.45	mg/L		0.0016	0.015	SW-846 6010B	P

C.L.R

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: (soil / water) Water

Level: (low / med) % Solids:

Date Received: 08/29/03 Time: 0945

Sample ID: 05-49EQB082803 (DISS)

Contract:

SAS No.: SDG No.: 203082903

Lab Sample ID: 20308290310

Date Collected: 08/28/03 Time: 1535

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Lead	0.015	mg/L	U	0.0016	0.015	SW-846 6010B	P

C.L.R

FORM I - IN

CH2M / 4380 / 203082403 / Due 9-5-03

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER: **148799-057**

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
Former NAS Cecil Field	148799	Gulf Coast Labs. Dano Merril	Tracy Bennett, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 FAX: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Site 49 - Skeet Range Surface Water Sampling	CTO 005	4139	Bonnie Hogue CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:		FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Tracy Bennett, CCI/J.A. Jones	PH (904) 777-4812 FAX (904) 777-4262	Ph:(225) 769-4900		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	unfiltered Lead Only by 6010B	Lab filtered Lead Only by 6010B								SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
1	05-49SW082803	Site 49 Surface Water	W	08/28/03	15:45	III/C	7	3	3								Grab	MS/MSD	01,02,0
2	05-49EQB082803	Equipment Blank	W	08/28/03	15:35	III/C	7	1	1								Grab	10	05
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Randy Dumaop / Anthony Cain J.A. Jones Environmental Services	FedEx Tracking #7908 8510 2839. .	3°C Good

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Randy Dumaop, J.A. Jones Environmental Services	8/28/2003	18:00	Printed Name and Signature: FedEx Tracking #	8/28/2003	18:00
Printed Name and Signature: Fed.Ex. 790885102839	8-29-03	0945	Printed Name and Signature: Daria Haydel	8-29-03	0945

Distribution: [ ] **Original** - Laboratory (To be returned with Analytical Report); [ ] **Copy 1** - Project File; [ ] **Copy 2** - PMO

Form CCI001, Rev 02 00

880000

Appendix E

Waste Profiles

- Non-Hazardous Waste Profile
- Hazardous Waste Profile

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Profile Number: WM CU 6013

Renewal Date: 10/31/02

Service Agreement on File? ☐ YES ☐ NO

☐ Hazardous ☐ Non-Hazardous ☐ TSCA

A. Waste Generator Information

1. Generator Name: Public Works Center
2. SIC Code: 391
3. Facility Street Address: Box 30, Code 391
4. Phone: (904) 542-5979
5. Facility City: Jacksonville, Florida
6. State/Province: Georgia
7. Zip/Postal Code: 322
8. Generator USEPA/Federal ID #: F1217002217
9. County:
10. State/Province ID #:
11. Customer Name: EQIS Industrial Services
12. Customer Phone: (404) 261-1823
13. Customer Contact: Steve Grant
14. Customer Fax: (404) 699-3560
15. Billing Address: ☐ Same as above

B. Waste Stream Information

1. Description
   a. Name of Waste: Non Hazardous Non Regulated Soil
   b. Process Generating Waste: Incidental spills/site remediation

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
Brown	None	☐ Solid ☐ Liquid ☐ Gas ☐ Sludge ☐ Other	☐ Single Layer ☐ Multi-layer	to %
				h. pH: Range to %

i. Liquid Flash Point: ☐ <73°F ☐ 73-99°F ☐ 100-139°F ☐ 140-199°F ☐ ≥ 200°F ☐ Not applicable

j. Chemical Composition (List all constituents (including halogenated organics, debris, and UHC's) present in any concentration and estimate representative analysis)

Constituents	Concentration Range	Constituents	Concentration Range
Soil	98%		
Debris, Plastic, Pipe, Rock, etc	2%		

NO BIO COMPOSTING MUST SOIL LOW EXCEED 100%

k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐ YES ☒ NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐ YES ☒ NO

n. Does the waste represented by this profile contain asbestos? ☐ Friable ☐ non-friable ☐ YES ☒ NO
If yes,

o. Does the waste represented by this profile contain benzene? ☐ YES ☒ NO
If yes, concentration ppm
Is the waste subject to the benzene waste operations NESHAP? ☐ YES ☒ NO

p. Is the waste subject to RCRA Subpart CC controls? ☐ YES ☒ NO
If no, does the waste meet the organic LDR Exemption? ☐ YES ☒ NO
If no, does the waste contain <500 ppmw volatile organic (VOC)? ☐ YES ☒ NO
Volatile organic concentration ppmw

q. Does the waste contain any Class I or Class II ozone depleting substances? ☐ YES ☒ NO

r. Does the waste contain debris? (list in Section B.1.j) ☒ YES ☐ NO

2. Quantity of Waste
Estimated Annual Volume 9,000 ☒ Tons ☐ Yards ☐ Drums ☐ Other (specify)

3. Shipping Information
a. Packaging:
☒ Bulk Solid: Type/Size: Tractor Trailer ☐ Bulk Liquid: Type/Size:
☐ Drum: Type: Size: ☐ Other:
b. Shipping Frequency: Units 1 Per ☐ Month ☐ Quarter ☐ Year ☒ One time ☐ Other
c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☐ YES ☒ NO

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

6013

d. Reportable Quantity (lbs.; kgs.): _____ e. Hazard Class/ID #: _____

f. USDOT Shipping Name: _____

g. Personal Protective Equipment Requirements: Level D

h. Transporter/Transfer Station: PRI-OGT - Rv. Kiln

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2. ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.) ☐YES ☐NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ☐YES ☐NO

2. Is this a state hazardous waste? ☐YES ☒NO
   Identify ALL state hazardous waste codes _____

3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐YES ☐NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.

4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐YES ☒NO

5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.) ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ☐YES ☐NO

6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒YES ☐NO

7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WM to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: _____ Title: Env. Prof. Spec.

Name (Type or Print): Mitchell B. Anderson Company Name: U.S. Navy Date: 8-1-02

☐Check if additional information is attached. Indicate the number of attached pages: _____

FOR WM USE ONLY

D. WM Management's Decision

1. Management Method: ☒Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify) _____
2. Proposed Ultimate Management Facility: Chestnut Ridge
3. Precautions, Special Handling Procedures, or Limitation on Approval: _____
4. Waste Form _____ 5. Source _____ 6. System Type ☒Approved ☐Disapproved

Special Waste Decision _____ Date: _____

Salesperson's Signature: _____ Date: _____

Division Approval Signature (Optional): _____ Date: _____

Special Waste Approvals Person Signature: _____ Date: 8/8/02

WASTE MANAGEMENT

PROFILE#: CU6013
EXPIRATION DATE: _____
RECERTIFICATION DATE: _____

RECERTIFICATION OF GENERATOR'S WASTE PROFILE SHEET

RECERT FORM

A. GENERAL INFORMATION:

1. Generator Name: SAME
2. Address: _____
3. Technical Contact: _____ Title: _____
4. Telephone: _____ Fax: _____

B. BILLING INFORMATION OPTIONAL (MAIL WASTE MANAGEMENT INVOICE TO):

1. Company Name: EQ INDUSTRIAL SERVICES
2. Address: 5600 FULTON INDUSTRIAL BLVD ATLANTA, GA 30336
3. Contact: JOHN TEAGUE Title: GM
4. Telephone: 404 494-3520 P.O.# _____
5. List any special billing requirements: _____
6. Disposal Price/Unit: _____ + additional cost per "Schedule of Fees"
7.

C. RECERTIFICATION INFORMATION:

1. Waste Name: NON-HAZ SOIL
2. Have you obtained any laboratory analysis of this waste within the past year? ___ Yes ✓ No
3. Have you changed the raw materials used in the waste generating process OR the waste generating process itself? ___ Yes ✓ No
4. Is the laboratory analysis and/or other pertinent information previously submitted still representative of the waste as presently generated? ✓ Yes ___ No
5. If you answered YES to question 2 or 3 listed above, please attach documentation explaining your response.

D. RECERTIFICATION STATEMENT:

By signing this form, the Generator hereby certifies:
The information provided in this document, the attached Waste Management Generator's Waste Profile Sheet, and all other attached documents contains true and accurate descriptions of this waste material. All new information regarding known or suspected hazards in the possession of the generator has been disclosed. The generator hereby certifies this waste is not a "Hazardous Waste" as defined by USEPA or Canadian Federal regulation and/or the state/province and this waste does not contain regulated radioactive materials or regulated concentrations of PCB's.

Signature: John Teague Title GM
Name (Type or Print) JOHN TEAGUE Date 11/25/03
Conditions/Precautions: _____
WMI Review/Approval: _____
Form: RECERT.RDF rev. 03/95

EQ Tracking #_____

A WASTE CHARACTERIZATION REPORT

TO EXPEDITE YOUR WASTE APPROVAL, PLEASE COMPLETE THIS FORM ENTIRELY

Please Choose One EQ Management Facility

☒ **Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID# MID 000 724 831
☐ **Wayne Disposal, Inc. Site #2 Landfill** (Hazardous & Chemical Waste Landfill)	49350 N. I-94 Service Drive Phone: 800-592-5489	Belleville, MI 48111 Fax: 800-592-5329	EPA ID# MID 048 090 633
☐ **Michigan Recovery Systems, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road Phone: 800-521-0998	Romulus, MI 48174 Fax: 734-326-9375	EPA ID# MID 060 975 844
☐ **EQIS – Transfer & Processing** (Drum Transfer/Non-Hazardous Liquid Processing)	1010 Old Rawsonville Road Phone: 734-547-1000	Ypsilanti, MI 48197 Fax: 734-480-9195	EPA ID# MIR 000 033 969
☐ **EQIS – Transfer & Processing** (Drum Transfer/Non-Hazardous Liquid Processing)	5600 Fulton Industrial Blvd Phone: 404-494-3520	Atlanta, GA 30336 Fax: 404-494-3560	
☐ **EQNC – North Carolina**	1005 Investment Blvd Phone: 919-363-4700	Apex, NC 27502 Fax: 919-363-4714	EPA ID# NCD 982 170 292

Section 1 - Generator & Customer Information

SIC # _____

Generator EPA ID # FL6 170 024 412

Generator NAVAL AIR STATION - CECIL FIELD

Facility Address Public Works Center

City JACKSONVILLE State FL Zip 32212

County _____

Mailing Address (if different) _____

City _____ State _____ Zip _____

Generator Contact _____

Title _____

Phone _____ Fax _____

EQ Customer No5499

Invoicing Company CH2M Hill

Address 6219 Authority Ave, Cecil Field Commerce Center

City Jacksonville State FL Zip 32215

Country USA

Invoicing Contact COLLEEN KURTZ

Phone 904-777-4812 x221 Fax _____

Technical Contact Lisa Schwan

Phone 770-604-9182 x561 Fax 678-579-8025

Section 2 - Shipping and Packaging Information

2.1) Shipping volume: 900 TONS

2.2) Shipping frequency: ☒ One Time Only ☐ Annual

2.2) DOT shipping name RQ, HAZARDOUS WASTE SOLID, N.O.S. (CONTAINS LEAD), 9, NA3077, PG III

2.3)Packaging : **(check all that apply)**

- ☐ Bulk Solid (Yd^3 < 2000 lbs/yd^3)
- ☒ Bulk Solid (Ton >2000 lbs/yd^3)
- ☐ Bulk Liquids (Gallons)
- ☐ Cubic Yard Boxes
- ☐ Drums
- ☐ Other (palletized, 5 gal. pails, etc.) _____

Quoted bulk disposal charges for solid materials will be billed by the cubic yd., if waste density is less than 2,000 lbs. per cubic yd. If waste density is greater than 2,000 lbs. per cubic yd., then bulk disposal charges will be billed by the ton regardless of the approved container.

Section 3 - Physical Characteristics

WASTE COMMON NAME: **Lead Contaminated Soil/Debris (PPE/Visqueen)**

3.1) Color (describe): Brown 3.2) Odor (describe): None

3.3) Physical state at 70 °F: **(check all that apply)**

☒ Solid ☐ Dust ☐ Liquid ☐ Sludge

3.4) Does this waste contain?: **(check all that apply)**

☐ Free Liquids ☐ Metal fines ☐ Powders ☐ Oily residue

☐ Biodegradable sorbants ☒ **NONE**

3.5) Does this waste contain?: **(check all that apply)** θ **NONE**

☐ Asbestos -- friable ☐ Pyrophoric waste ☐ Asbestos - non-friable

☐ Reactive waste ☐ Dioxins ☐ Shock Sensitive waste ☐ Furans

☐ Radioactive waste ☐ Biohazard ☐ Explosives

3.6) Describe the composition of the waste (i.e. key chemical compounds, soil, water, ppe, debris, etc.):

Soil	90 to 95%
Debris (PPE, Visquene)	0 to 5 %
metal shot	0 to 0.5%
	___ to ___%
	Total = 100 %

3.7) Does this waste contain > 50% contaminated soil? ☒ Yes ☐ No

3.8) Does this waste contain >50% debris by volume? ☐ Yes ☒ No
(debris is greater than 2.5 inches in size)

© 2000 EQ - The Environmental Quality Company

Section 4 - Generating Process and Regulatory Information

4.1) Provide a *detailed* description of the process (es) generating this waste (attach flow diagram if available):
SITE EXCAVATION FROM THE FORMER SKEET RANGE. _____

Based upon RCRA waste regulations (40 CFR 261) and Michigan Act 451 Rules:

				Waste Code(s)
4.2) Is this an **EPA RCRA** listed hazardous waste (F, K, P or U)?		☐ Yes	☒ No	
4.3) Is this a **MICHIGAN** hazardous waste (Other than RCRA)?		☐ Yes	☒ No	
4.4) Is this a **MICHIGAN** nonhazardous liquid industrial waste?		☐ Yes	☒ No	
4.5) Is this a **UNIVERSAL** waste?		☐ Yes	☒ No	
4.6) Does this waste exceed **LDR** treatment standards?		☒ Yes	☐ No	
4.7) Is this an **EPA RCRA** characteristic hazardous waste (D001-D043)?		☒ Yes	☐ No	D008
4.8) What is the flash point of this waste?	☐ <90°F	☐ 90-140°F	☐ 140-199°F	☒ >200°F
4.9) Is the waste an oxidizer?		☐ Yes	☒ No	
4.10) What is the pH of this waste?	☐ <2 ☐ 2-4.9	☒ 5-10	☐ 10.1-12.4	☐ ≥12.5
4.11) Does this waste contain reactive cyanide ≥ 250 ppm?		☐ Yes	☒ No	
4.12) Does this waste contain reactive sulfide ≥ 500 ppm?		☐ Yes	☒ No	
4.13) Is the waste surcharge exempt? (attach surcharge form)		☐ Yes	☒ No	

Code		Regulatory Level TCLP (mg/L)	Concentration (if above)	Code		Regulatory Level TCLP (mg/L)	Concentration (if above)
D004	Arsenic	5	☒ Below ☐ Above ____	D024	m-Cresol	200	☒ Below ☐ Above ____
D005	Barium	100	☒ Below ☐ Above ____	D025	p-Cresol	200	☒ Below ☐ Above ____
D006	Cadmium	1	☒ Below ☐ Above ____	D026	Cresols	200	☒ Below ☐ Above ____
D007	Chromium	5	☒ Below ☐ Above ____	D027	1,4-Dichlorobenzene	7.5	☒ Below ☐ Above ____
D008	Lead	5	☐ Below ☒ Above ____	D028	1,2-Dichloroethane	0.5	☒ Below ☐ Above ____
D009	Mercury	0.2	☒ Below ☐ Above ____	D029	1,1-Dichloroethylene	0.7	☒ Below ☐ Above ____
D010	Selenium	1	☒ Below ☐ Above ____	D030	2,4-Dinitrotoluene	0.13	☒ Below ☐ Above ____
D011	Silver	5	☒ Below ☐ Above ____	D031	Heptachlor	0.008	☒ Below ☐ Above ____
D012	Endrin	0.02	☒ Below ☐ Above ____	D032	Hexachlorobenzene	0.13	☒ Below ☐ Above ____
D013	Lindane	0.4	☒ Below ☐ Above ____	D033	Hexachlorobutadiene	0.5	☒ Below ☐ Above ____
D014	Methoxychlor	10	☒ Below ☐ Above ____	D034	Hexachloroethane	3.0	☒ Below ☐ Above ____
D015	Toxaphene	0.5	☒ Below ☐ Above ____	D035	Methyl Ethyl Ketone	200	☒ Below ☐ Above ____
D016	2,4-D	10	☒ Below ☐ Above ____	D036	Nitrobenzene	2	☒ Below ☐ Above ____
D017	2,4,5-TP(Silvex)	1	☒ Below ☐ Above ____	D037	Pentachlorophenol	100	☒ Below ☐ Above ____
D018	Benzene	0.5	☒ Below ☐ Above ____	D038	Pyridine	5	☒ Below ☐ Above ____
D019	CarbonTetrachloride	0.5	☒ Below ☐ Above ____	D039	Tetrachloroethylene	0.7	☒ Below ☐ Above ____
D020	Chlordane	0.03	☒ Below ☐ Above ____	D040	Trichloroethylene	0.5	☒ Below ☐ Above ____
D021	Chlorobenzene	100	☒ Below ☐ Above ____	D041	2,4,5-Trichlorophenol	400	☒ Below ☐ Above ____
D022	Chloroform	6.0	☒ Below ☐ Above ____	D042	2,4,6-Trichlorophenol	2	☒ Below ☐ Above ____
D023	o-Cresol	200	☒ Below ☐ Above ____	D043	Vinyl Chloride	0.2	☒ Below ☐ Above ____

4.14) The hazardous constituent information is based on: ☐ Analysis (Please attach for review) ☐ Generator Knowledge ☒ Both

4.15) If this is a characteristic (D-coded) hazardous waste, does it contain underlying hazardous constituents (List in Secton5)? ☒Yes ☐No ☐ N/A

Section 5 - Constituent Information

Review the following items in the EQ Resource Guide and indicate their concentrations below:

1) MVOC (Michigan Volatile Organic Compounds) **2) CCVOC** (Subpart CC Volatile Organic Compounds)
3) UHC (Underlying Hazardous Constituents) **4) TRI** (Toxic Release Inventory Constituents)

Indicate **all** constituents in your waste stream, their concentrations, and circle Yes or No for UHC:

UHC?		UHC?	
Yes-No	LEAD	Yes-No	
Yes-No		Yes-No	
Yes-No		Yes-No	

© 2000 EQ - The Environmental Quality Company

Section 6 - PCB & TSCA Information

6.1) What is the concentration of PCBs in the waste? ☒ None ☐ 0-5 ppm ☐ 6-49 pp ☐ 50-499 ppm ☐ 500+ppm

6.2) Does the waste contain PCB contamination from a source with a concentration ≥50 ppm? ☐ Yes ☒ No

6.3) Does this waste contain free liquids? (use paint filter test) ☐ Yes ☒ No

6.4) Has this waste been processed into a non-liquid form? ☐ Yes ☐ No

If yes, what was the concentration of PCBs prior to processing? ☒ N/A ☐ 0-499 ppm ☐ 500+ ppm

6.5) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ☐ Yes ☒ No

6.6) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ☐ Yes ☒ No

6.7) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ☒ N/A ☐ Yes ☐ No

Section 7 - Benzene NESHAP Information

NESHAP SIC CODES		
2812	2836	2875
2813	2841	2879
2816	2842	2891
2819	2843	2892
2821	2844	2893
2822	2851	2895
2823	2861	2899
2824	2865	2911
2833	2869	3312
2834	2873	4953
2835	2874	9511

7.1) Does the waste stream come from a facility with one of the SIC codes listed under NESHAP? ☐ Yes ☒ No

7.2) Does your company manage wastes from facilities with Total Annual Benzene (TAB) ≥10 Mg/year? ☐ Yes ☐ No

➔ ***If you answered "NO" to question 7.1 AND 7.2 please skip to Section 8.***

7.3) Does the waste contain >10 % water? ☐ Yes ☐ No

7.4) What is the TAB quantity for your facility? _____Mg/Year

7.5) Does the waste contain >1.0 mg/kg total Benzene? ☐ Yes ☐ No

7.6) What is the total Benzene concentration in your waste? _____percent or _____ppmw.

(Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602, and 624.)

Section 8 - Waste Constituent Information

➔ **COMPLETE FOR MICHIGAN DISPOSAL WASTE TREATMENT PLANT, WAYNE DISPOSAL, AND EQIS T&P**

8.1) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.2) Does this waste contain any MVOC constituents as defined in the EQ Resource Guide? ☐ Yes ☒ No

8.3) Is this waste subject to Subpart CC regulation (i.e., contain ≥500ppm (VOCs) Volatile Organic Compounds)? ☐ Yes ☒ No

➔ If 8.1, 8.2 or 8.3 is "yes"--please indicate the constituents and their concentrations in the table provided in Section 5

Section 9 - Reclamation/Recycling/Fuel Blending

➔ **Complete for Michigan Recovery Systems ONLY**

9.1) Heat value (BTU/lb):_____Chlorine(%):_____Water (%):_____Solids (%):_____

9.2) Is this material a recoverable petroleum product? ☐ Yes ☐ No 9.3) Is this material for wastewater treatment? ☐ Yes ☐ No

➔ If 9.1 or 9.2 is "yes"-please attach the **Wastewater Addendum Form** found in the **EQ Resource Guide.**

Section 10 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Generator Signature MBMcPherson Printed Name Mitchell B. McPherson

Company NAVY Public Works Center Title ENV. Prot. Specialist Date 12-11-03

The generator's signature must appear on the EQ Waste Characterization Report. If the generator has authorized a third-party to certify this document, a written notice (on generator letterhead) must accompany this submittal.
Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

© 2000 EQ - The Environmental Quality Company

STANDARD TERMS AND CONDITIONS

The Agreement between the Customer and EQ – The Environmental Quality Company and/or its member companies (hereinafter "EQ") related to or associated with Delivered Waste, as herein defined, shall be governed by the following Standard Terms and Conditions in addition to the terms and conditions contained in any Waste Characterization Report, Customer Approval Quote Confirmation, Generator Approval Notification, Notice of Waste Approval Expiration, and/or Credit Agreement associated with such Delivered Waste.

The Customer may use its standard forms (such as purchase orders, acknowledgments of orders, and invoices) to administer its dealings under this Agreement for convenience purposes, but all provisions thereof in conflict with these terms and conditions shall be deemed stricken.

Definitions

The following definitions shall apply for purposes of this Agreement:

"Acceptable Waste" shall mean any hazardous waste, as defined under applicable State or federal law, determined by EQ as acceptable for treatment and/or disposal in accordance with this Agreement.

"Delivered Wastes" shall mean all wastes (i) which are transported, delivered, or tendered to EQ by the Customer; (ii) which the Customer has arranged for the transport, delivery or tender to EQ; or (iii)) which are transported, delivered, or tendered to EQ under a Credit Agreement between the Customer and EQ.

"Non-Conforming Wastes" shall mean wastes that (a) are not in accordance in all material respects with the warranties, descriptions, specifications or limitations stated in the Waste Characterization Report and this Agreement; (b) have constituents or components of a type or concentration not specifically identified in the Waste Characterization Report (i) which increase the nature or extent of the hazard and risk undertaken by EQ in treating and/or disposing of the waste, or (ii) for whose treatment and/or disposal a Waste Management Facility is not designed or permitted, or (iii) which increase the cost of treatment and/or disposal of waste beyond that specified in EQ's price quote; or (c) are not properly packaged, labeled, described, or placarded, or otherwise not in compliance with United States Department of Transportation and United States Environmental Protection Agency regulations.

Control of Operations.

EQ shall have sole control over all aspects of the operation of any treatment and/or disposal facility of EQ receiving Delivered Wastes under this Agreement (hereinafter,
"Waste Management Facility"), including, without limitation, maintaining EQ's desired volume of Acceptable Wastes being delivered to any Waste Management Facility by the Customer or any other person or entity.

Identification of Waste.

For each waste material to be transported, delivered, or tendered to EQ under this Agreement, the Customer shall provide, or cause to be provided, to EQ a representative sample of the waste material and a completed Waste Characterization Report containing a physical and chemical description or analysis of such waste material, which description shall conform with any and all guidelines for waste acceptance provided by EQ. On the basis of EQ's analysis of such representative sample of the waste material and such Waste Characterization Report, EQ will determine whether such wastes are Acceptable Wastes. EQ does not make any guarantee that it will handle any waste material or any particular quantity or type of waste material, and EQ reserves the right to the decline to transport, treat and/or dispose of waste material. The Customer shall promptly furnish to EQ any information regarding known, suspected or planned changes in the composition of the waste material. Further, the Customer shall promptly inform EQ of any change in the characteristic or condition of the waste material which becomes known to the Customer subsequent to the date of the Waste Characterization Report.

Non-Conforming Wastes.

In the event that EQ at any time discovers that any Delivered Waste is Non-Conforming Waste, EQ may reject or revoke its acceptance of the Non-Conforming Waste. The Customer shall have seven (7) days to direct an alternative lawful manner of disposition of the waste, unless it is necessary by reason of law or otherwise to move the Non-Conforming Waste prior to expiration of the seven (7) day period. If the Customer does not direct an alternative disposal, at its option, EQ may return any such Non-Conforming Wastes to the Customer, and the Customer shall pay or reimburse EQ for all costs and expenses incurred by EQ in connection with the receipt, handling, sampling, analyses, transportation and return to the Customer of such Non-Conforming Wastes. If it is impossible or impractical for EQ to return the Non-Conforming Waste to the Customer, the Customer shall reimburse EQ for all costs, of any type or nature whatsoever, incurred by EQ, solely because such Delivered Waste was Non-Conforming Waste (including, but not limited to, all costs associated with any remedial steps necessary, due to the nature of the Non-Conforming Waste, in connection with material with which the Non-Conforming Waste may have been commingled and all expenses and charges for analyzing, handling, locating, preparing for transporting, storing and disposing of any Non-Conforming Waste).

Customer Warranty - Acceptable Wastes.

All Delivered Wastes shall be Acceptable Wastes and shall conform in all material respects to the description and specifications contained in the Waste Characterization Report. The information set forth in the Waste Characterization Report or any manifest, placard or label associated with any Delivered Wastes, or otherwise represented by the Customer or the generator (if other than the Customer) to EQ, is and shall be true, accurate and complete as of the date of receipt of the involved waste by EQ.

Customer Warranty - Title to Wastes.

Either the Customer or the generator (if other than the Customer) shall hold clear title, free of any all liens, claims, encumbrances, and charges to Delivered Waste until such waste is accepted by EQ.

Customer Warranty - Compliance with Laws.

The Customer shall comply with all applicable federal, state and local environmental statutes, regulations, and other governmental requirements, as well as directives issued by EQ from time to time, governing the transportation, treatment and/or disposal of Acceptable Wastes, including, but not limited to, all packaging, manifesting, containerization, placarding and labeling requirements.

Customer Warranty - Updating Information.

If the Customer receives information that Delivered Waste or other hazardous waste described in the Waste Characterization Report, or some component of such waste, presents or may present a hazard or risk to persons, property or the environment which was not disclosed to EQ, or if the Customer or generator (if other than the Customer) has changed the process by which such waste results, the Customer shall promptly report such information to EQ in writing.

Customer Indemnity.

© 2000 EQ - The Environmental Quality Company

The Customer shall indemnify, defend and hold harmless EQ, and its affiliated or related companies, and all of their respective present or future officers, directors, shareholders, employees and agents from and against any and all losses, damages, liabilities, penalties, fines, forfeitures, demands, claims, causes of action, suits, costs and expenses (including, but not limited to, reasonable costs of defense, settlement, and reasonable attorneys' fees), which may be asserted against any or all of them by any person or any governmental agency, or which any or all of them may hereafter suffer, incur, be responsible for or pay out, as a result of or in connection with bodily injuries (including, but not limited to, death, sickness, disease and emotional or mental distress) to any person (including EQ's employees), damage (including, but not limited to, loss of use) to any property (public or private), or any requirements to conduct or incur expense for investigative, removal or remedial expenses in connection with contamination of or adverse effect on the environment, or any violation or alleged violation of any statues, ordinances, orders, rules or regulations of any governmental entity or agency, caused or arising out of (i) a breach of this Agreement by the Customer, (ii) the failure of any warranty of the Customer to be true, accurate and complete, or (iii) any willful or negligent act or omission of the Customer, or its employees or agents in connection with the performance of this Agreement.

Force Majeure

EQ shall not be liable for any failure to accept, receive, handle, treat, and/or dispose of Delivered Waste due to an act of God, fire, casualty, flood, war, strike, lockout, labor trouble, failure of public utilities, equipment failure, facility shutdown, injunction, accident, epidemic, riot, insurrection, destruction of operation or transportation facilities, the inability to procure materials, equipment, or sufficient personnel or energy in order to meet operational needs without the necessity of allocation, the failure or inability to obtain any governmental approvals or to meet Environmental Requirements (including, but not limited to voluntary or involuntary compliance with any act, exercise, assertion, or requirement of any governmental authority) which may temporarily or permanently prohibit operations of EQ, the Customer, or the Generator, or any other circumstances beyond the control of EQ which prevents or delays performance of any of its obligations under this Agreement.

Governing Laws

This Agreement shall in all respects be governed by and shall be construed in accordance with the laws of the State of Michigan applied to contracts executed and performed wholly within such state.

© 2000 EQ - The Environmental Quality Company

Appendix F

Non-Hazardous Waste Manifests and Weight Tickets

- August 2002 Excavation
- November - December 2003 Excavation

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 8 0 2 4 7 1 1 Manifest Document No. 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262463

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pulchell 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5792	001	T	12	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 716 Tic-19

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Sandy Jackson		080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:23 PM
TIME IN: 12:23 PM Ticket: 017985
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262463

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

21.99

Signature Samuel Jackson

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12213

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262464

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	12213	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature: On behalf of

Month Day Year: 08 07 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jack A. Perry

Signature

Month Day Year: 08 07 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:49 PM
TIME IN: 12:49 PM Ticket: 017993
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262464

Description	Quantity
SPECIAL WASTE	22.33 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.33 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22-43

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1 2 5 7

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262465

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 239-0371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	T	20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Jones — Signature — Month Day Year: 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:41 PM
TIME IN: 12:41 PM Ticket: 017991
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262465

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.7

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1242

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262466

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12497	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Maxwell Knight

Signature: Maurice Knight

Month Day Year: 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year: 08 07 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:45 PM
TIME IN: 12:45 PM Ticket: 017992
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RED Truck: 448
Manifest #: 262466

Description	Quantity
SPECIAL WASTE	24.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

24.93

Signature Red

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|1|5|1|7|0|0|2|4|7|1 Manifest Document No. 12453

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5973

A. Manifest Number WMNA 262467

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Kelicett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ~~(800) 232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12.712	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 10 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08 10 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:52 PM
TIME IN: 12:52 PM Ticket: 017994
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262467

Description	Quantity
SPECIAL WASTE	24.67 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.67 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

24.73

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 1215

2. Page 1 of 1

A. Manifest Number **WMNA 262468**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Mitchell

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID MA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12D139	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature On behalf of: [signature] Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown Signature: [signature] Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name T. Damaro Signature [signature] Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:02 PM
TIME IN: 1:02 PM Ticket: 017997
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262468

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

20.39

Signature Joe B

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 22557

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262469

B. State Generator's ID

5. Transporter 1 Company Name DEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 832-8374

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	001	DT	11415	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:05 PM
TIME IN: 1:05 PM Ticket: 017998
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262469

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

19.95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 1 Manifest Document No. 1229 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262470

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	20	YT	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON | Signature "On behalf of" | Month Day Year 01 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: R Russell | Signature: R Russell #337 | Month Day Year 01 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:13 PM
TIME IN: 1:13 PM Ticket: 018001
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 337
Manifest #: 262470

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____ #337

20.18

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471

Manifest Document No. 12 Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262471

B. State Generator's ID

5. Transporter 1 Company Name BEAVER TRUCK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-0371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID MA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	17198	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Augustus Williams | Signature | Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:16 PM
TIME IN: 1:16 PM Ticket: 018002
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: AUGUSTUS Truck: 1021
Manifest #: 262471

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

21-96

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12258

2. Page 1 of 1

A. Manifest Number WMNA 262472

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	DT	1 2 2 2 5	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 0 8 0 2 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 0 8 0 2 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:32 PM
TIME IN: 1:32 PM Ticket: 018007
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HARRY Truck: 770
Manifest #: 262472

Description	Quantity
SPECIAL WASTE	22.16 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.16 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

FOR PRIZHEET

Signature

22.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 2259 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262473

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER MILK~~ Rutchen — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~832-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DL5793	0 0 1	T	12 4 6 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of — Month Day Year: 08 07 0R

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 08 07 0R

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:35 PM
TIME IN: 1:35 PM Ticket: 018008
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262473

Description	Quantity
SPECIAL WASTE	24.57 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.57 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jordan

24.66

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

12260

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12260

2. Page 1 of 1

A. Manifest Number WMNA 262474

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12016	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08 10 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Eddie JACKSON	Eddie Jackson	08 10 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
	[signature]	10 9 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:41 PM
TIME IN: 1:41 PM Ticket: 018009
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262474

Description	Quantity
SPECIAL WASTE	22.56 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.56 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

22.64

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12201

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262475

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Mitchell

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	1 2 4 9 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Trucks 715 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature On behalf of: [signature] — Month Day Year 08 01 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronald Jackson — Signature: [signature] — Month Day Year 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:44 PM
TIME IN: 1:44 PM Ticket: 018010
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GARDY Truck: 716
Manifest #: 262475

Description	Quantity
SPECIAL WASTE	24.90 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.90 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature GRAY JACKSON

24.96

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 262476 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262476

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ P. Ishett

6. US EPA ID Number

C. State Transporter's ID FLX 3000

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DJ 5793	001	T	25516	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT ELLIS | Signature | Month Day Year: 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest:

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:55 PM
TIME IN: 1:55 PM Ticket: 018013
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262476

Description	Quantity
SPECIAL WASTE	25.36 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.36 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ell

25.56

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 262477

2. Page 1 of 1

A. Manifest Number WMNA 262477

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER RIVER~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~835-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 188
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL5793	001	DT	12279	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 080702

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: D.C. Drahan Jr — Signature — Month Day Year: 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 1:58 PM
TIME IN: 1:58 PM Ticket: 018014
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 526
Manifest #: 262477

Description	Quantity
SPECIAL WASTE	22.73 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.73 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.79

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12264

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262478

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12000	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 01 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass Signature Month Day Year 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR TRANSPORTER FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 2:57 PM
TIME IN: 2:57 PM Ticket: 018015
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 262478

Description	Quantity
SPECIAL WASTE	22.02 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.02 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

22.02

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12165

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262479

B. State Generator's ID

5. Transporter 1 Company Name ~~RECOVER BULK~~ — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8391

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CL 5793	001	DT	21.MP	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 7 2

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature (On Behalf of) — Month Day Year 080202

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tommy Moore — Signature — Month Day Year 080202

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:19 PM
TIME IN: 3:19 PM Ticket: 018022
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TOMMY Truck: 722
Manifest #: 262479

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Tommy Moon

21.95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12266

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262480

B. State Generator's ID

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2481	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 08 07 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE SIMMONS — Signature — Month Day Year: 08 07 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:44 PM
TIME IN: 3:44 PM Ticket: 018030
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 262480

Description	Quantity
SPECIAL WASTE	24.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

24.8

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 262481 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5973

A. Manifest Number WMNA 262481

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Parkhill 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~832-8371~~

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL5793	001	DT	12014	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Truck # 716 5-49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON Signature "On behalf of" Month Day Year 080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel Jackson Signature Month Day Year 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:35 PM
TIME IN: 3:35 PM Ticket: 018027
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262481

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

20.84

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12268

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262482

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12436	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:47 PM
TIME IN: 3:47 PM Ticket: 018031
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262482

Description	Quantity
SPECIAL WASTE	24.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24.36 1058.84

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5120022471 / Manifest Document No. 22169

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262483

B. State Generator's ID

5. Transporter 1 Company Name ~~WEAVER BUCK~~ R. Fulcher

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-4374~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	TR	12/4013	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe BROWN

Signature

Month Day Year: 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:51 PM
TIME IN: 3:51 PM Ticket: 010032
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262403

Description	Quantity
SPECIAL WASTE	23.95 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.95 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jm B

24.03

~~16.58.84~~

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12270 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262484

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	12,016	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of — Month Day Year: 08 07 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jack A Perry — Signature — Month Day Year: 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR 1 — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 4:13 PM
TIME IN: 4:13 PM Ticket: 018039
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262484

Description	Quantity
SPECIAL WASTE	22.96 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.96 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.06

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 5 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1 2 2 7

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262485

B. State Generator's ID

5. Transporter 1 Company Name ~~BROWER BINK~~ Petroleum

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DL 5793	0 0 1	D T	12216	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 717 5.6.19

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 08 01 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Toby Jones — Signature — Month Day Year: 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 3:53 PM
TIME IN: 3:53 PM Ticket: 018033
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262485

Description	Quantity
SPECIAL WASTE	22.70 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.70 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.68

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 12172

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262486

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12212	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 10 2012

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year: 08 10 2012

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 4:23 PM
TIME IN: 4:23 PM Ticket: 018042
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVE Truck: 383
Manifest #: 262486

Description	Quantity
SPECIAL WASTE	22.27 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.27 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.22

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 22273

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262487

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER TRUCK~~ P. Grant

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (802) 232-2371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # A OL 5793	001	T	12515	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 786

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Walt Ellis	[signature]	080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
P. Dawnar	[signature]	

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 06/08/2002 8:42 AM
TIME IN: 8:42 AM Ticket: 010056
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262487

Description	Quantity
SPECIAL WASTE	25.52 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.52 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

25.55

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517082471 Manifest Document No. 12274

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262488

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	1243	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 4035 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Bill Lewis	[signature]	080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
P. Daniel	[signature]	10 [illegible]

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 8:56 AM
TIME IN: 8:56 AM Ticket: 018060
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILL Truck: 405
Manifest #: 262488

Description	Quantity
SPECIAL WASTE	24.26 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.26 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Bill Weary
405

24.3

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|4|7|1 Manifest Document No. 1225

2. Page 1 of 1

A. Manifest Number **WMNA 262489**

B. State Generator's ID

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Fulchets

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	001	DT	23,211	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Truck # 457 File 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jack A. Perry Signature Month Day Year 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificatelon of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
.SSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

F

Date: 08/08/2002 9:00 AM
TIME IN: 9:00 AM Ticket: 018061
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262489

Description	Quantity
SPECIAL WASTE	23.11 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.11 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.21

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5172002247 1 Manifest Document No. 12270

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262490

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	D	12263	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: O. C. Dunham Jr. | Signature | Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 9:16 AM
TIME IN: 9:16 AM Ticket: 018066
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 526
Manifest #: 262490

Description	Quantity
SPECIAL WASTE	22.77 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.77 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

22.63

Signature O.C. [illegible]

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262491

B. State Generator's ID

5. Transporter 1 Company Name WEAVER BULK 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) 232-8371

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	25.45	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 08 02

TRANSPORT

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JON SIARING Signature Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 10:03 AM
TIME IN: 10:03 AM Ticket: 018079
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 262491

Description	Quantity
SPECIAL WASTE	25.34 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.34 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

25.45

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 — Manifest Document No. 12278

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262492

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.79	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown — Signature — Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 9:45 AM
TIME IN: 9:45 AM Ticket: 018074
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262492

Description	Quantity
SPECIAL WASTE	22.29 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.29 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

22.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|8|0|2|2|4|7|1 Manifest Document No. 2479

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262493

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8171

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 5793	001	DT	12211	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of | Month Day Year: 080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel Jackson | Signature | Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR 1 | TRANSPORTER 2 | FACILITY 3

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 9:59 AM
TIME IN: 9:59 AM Ticket: 018078
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262493

Description	Quantity
SPECIAL WASTE	22.05 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.05 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

22.1

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 12280

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262494

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	20	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 18 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 08 18 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR TRANSPORTER FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 10:40 AM
TIME IN: 10:40 AM Ticket: 018090
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262494

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.6

20.52

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 262495

2. Page 1 of 1

A. Manifest Number WMNA 262495

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name BEAVER-BUCK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12129	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature On behalf of	Month Day Year
MITCHELL B. McPHERSON		080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
		080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

WM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 10:50 AM
TIME IN: 10:50 AM Ticket: 018093
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GARY Truck: 319
Manifest #: 262495

Description	Quantity
SPECIAL WASTE	22.20 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.20 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

27.29

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12202
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262496

B. State Generator's ID

5. Transporter 1 Company Name: BEAVER BULK
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-9371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	12105	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 777

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 01 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAYFIL — Signature — Month Day Year 01 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 10:53 AM
TIME IN: 10:53 AM Ticket: 018094
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
Manifest #: 262496

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

2205

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 / Manifest Document No. 2283

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262497

B. State Generator's ID

5. Transporter 1 Company Name REMOVE RUCK

6. US EPA ID Number

C. State Transporter's ID 808-3402

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	001	DT	23614	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
TRUCK 395

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON | Signature "On behalf of" | Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 10:56 AM
TIME IN: 10:56 AM Ticket: 018035
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262497

Description	Quantity
SPECIAL WASTE	23.69 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.69 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jackson

23.64

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 / Manifest Document No. 12184

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262498

B. State Generator's ID

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12411	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:00 AM
TIME IN: 11:00 AM Ticket: 018096
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WALTER Truck: 724
Manifest #: 262498

Description	Quantity
SPECIAL WASTE	24.41 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.41 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Walter

24.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12-185

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262499

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BUCK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	27	P T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Eddie Jackson	Eddie Jackson	080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:04 AM
TIME IN: 11:04 AM Ticket: 018097
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SHAKY Truck: 712
Manifest #: 262499

Description	Quantity
SPECIAL WASTE	26.99 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.99 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Edwin Jackson

27.12

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 12/8/16

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262500

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12648	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 768

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/08/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Gloss — Signature — Month Day Year 08/08/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:08 AM
TIME IN: 11:08 AM Ticket: 018098
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 262500

Description	Quantity
SPECIAL WASTE	26.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

26.43

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2287

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262501

B. State Generator's ID

5. Transporter 1 Company Name ~~REDUCE WHK~~ Pelch

6. US EPA ID Number

C. State Transporter's ID 803-2002

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	23.03	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 408

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON

Signature "On behalf of": [signature]

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Maxwell Kuzelka

Signature: [signature]

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Ballard

Signature: [signature]

Month Day Year: 08 08 02

WM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:12 AM
TIME IN: 11:12 AM Ticket: 010099
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RED Truck: 448
Manifest #: 252501

Description	Quantity
SPECIAL WASTE	22.94 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.94 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Red

23.03

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12/88

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262502

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	T	12 K	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		08 18 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
		08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:27 AM
TIME IN: 11:27 AM Ticket: 018104
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262502

Description	Quantity
SPECIAL WASTE	25.02 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.02 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

25.18

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 262503

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262503

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 238-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	01	DT	12.25	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Task 43

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": [signature]

Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James Irwin

Signature: James Irwin

Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Barnard

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:40 AM
TIME IN: 11:40 AM Ticket: 018108
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JAMES Truck: 43
Manifest #: 262503

Description	Quantity
SPECIAL WASTE	23.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jana Irvin

23.35

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 2/7/

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262504

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12000	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck #

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Bill Wenz		080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:33 AM
TIME IN: 11:33 AM Ticket: 018106
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILL Truck: 405
REPLACE TIC#18105
Manifest #: 262504

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Bill Hickey
405

21.11

20.83

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 22 12

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262505

B. State Generator's ID

5. Transporter 1 Company Name BEAUFER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 832-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24.32	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of | Month Day Year: 080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jack A Perry | Signature | Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:43 AM
TIME IN: 11:43 AM Ticket: 018109
854-133
ER INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262505

Description	Quantity
SPECIAL WASTE	24.12 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.12 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

Pk. 32

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 1 2 3
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262506

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER TOLK~~ P. Tolk
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12/4.06	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Conton — Signature — Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:05 PM
TIME IN: 12:05 PM Ticket: 018115
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 262506

Description	Quantity
SPECIAL WASTE	23.83 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.83 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature: Jeff West

24.6

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 262507

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262507

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BELK~~ Dalton

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.3	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Truck # 363 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08 18 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature [signature]

Month Day Year 08 18 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:07 PM
TIME IN: 12:07 PM Ticket: 018116
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: LARRY Truck: 363
Manifest #: 262507

Description	Quantity
SPECIAL WASTE	22.89 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.89 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Larry Sch

22.83

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1245

2. Page 1 of 1

A. Manifest Number WMNA 262508

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12417	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		08 08 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
O C DRAHAM JR.	O.C. Drahm	08 08 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 11:58 AM
TIME IN: 11:58 AM Ticket: 018113
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O/C. Truck: 526
Manifest #: 262508

Description	Quantity
SPECIAL WASTE	22.29 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.29 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.42

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 24/6

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262509

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (808) 832-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 5793	001	DT	21-1/6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 62

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON

Signature "On behalf of"

Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ray Brandow

Signature

Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:16 PM
TIME IN: 12:16 PM Ticket: 018118
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ROY Truck: 62
Manifest #: 262509

Description	Quantity
SPECIAL WASTE	24.51 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.51 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Roy Brandon

2466

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 / Manifest Document No. 12216

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262510

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	15. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	0 0 1	D T	12341	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 706 Site #4

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL R. McPHERSON		05 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Joe BROWN		05 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:12 PM
TIME IN: 12:12 PM Ticket: 018117
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262510

Description	Quantity
SPECIAL WASTE	24.38 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.38 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 262511

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262511

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER RIVER~~ Prickett

6. US EPA ID Number

C. State Transporter's ID 301-7402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	32119	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 716

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON

Signature: On behalf of

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel [illegible]

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: [illegible]

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:38 PM
TIME IN: 12:38 PM Ticket: 018125
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262511

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

tons 21.91

22.19

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 12099

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262512

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	24	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 09 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JON STARLING | Signature | Month Day Year: 09 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 1:42 PM
TIME IN: 1:42 PM Ticket: 018143
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 262512

Description	Quantity
SPECIAL WASTE	24.09 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.09 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24.15

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 / Manifest Document No. 23500

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262513

B. State Generator's ID

5. Transporter 1 Company Name REQUER PHCK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 832-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	DT	12300	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Load # 757

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL D. McPHERSON		080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
John Jones		080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 12:53 PM
TIME IN: 12:53 PM Ticket: 018130
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262513

Description	Quantity
SPECIAL WASTE	22.87 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.87 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

2305

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12501

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262514

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12541	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 715 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Bobby Jackson

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 1:10 PM
TIME IN: 1:10 PM Ticket: 018134
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GRADY Truck: 715
Manifest #: 262514

Description	Quantity
SPECIAL WASTE	25.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature GRADY JACKSON

25.41

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5120022471 — Manifest Document No. 62207

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262515

B. State Generator's ID

5. Transporter 1 Company Name ~~BEDDER-MAK~~ Pritchett — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # OU 5793	001	DT	12.3167	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tank 718 — Silty

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 01 08 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 01 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 1:23 PM
TIME IN: 13:23 TIME OUT: 13:23 Ticket: 018138
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262515

Description	Quantity
SPECIAL WASTE	23.47 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.47 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.67

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12303

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262516

B. State Generator's ID

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12372	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 319 Sch. 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 05 01 2002

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year: 05 01 2002

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 1:26 PM
TIME IN: 1:26 PM Ticket: 018139
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GARY Truck: 319
Manifest #: 262516

Description	Quantity
SPECIAL WASTE	23.57 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.57 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.72

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12504

2. Page 1 of 1

A. Manifest Number WMNA 262517

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~HEAVER-HULK~~ Pr. Lutz

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) ~~235-8321~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	12639	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tank 777

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RW AIFC

Signature [signature]

Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

1:55 PM

Date: 08/08/2002
TIME IN: 1:55 PM
Ticket: 018147

854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY
Truck: 777
Manifest #: 262517

Description	Quantity
SPECIAL WASTE	26.26 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.26 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

26.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 12505

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262518

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00061D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	1217	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 724

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 1:39 PM
TIME IN: 1:39 PM Ticket: 018142
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WALTER Truck: 724
Manifest #: 262518

Description	Quantity
SPECIAL WASTE	22.57 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.57 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.7

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 8 0 2 2 4 7 1 | Manifest Document No. 1306 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262519

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER ROCK~~ Prochett | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 932-8321

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	0 0 1	DT	25.11	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 712 - Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson | Signature: Eddie Jackson | Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:00 PM
TIME IN: 2:00 PM Ticket: 018148
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262519

Description	Quantity
SPECIAL WASTE	24.82 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.82 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

25.11

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 — Manifest Document No. 12307

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262520

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8271~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12455	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of — Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:06 PM
TIME IN: 2:06 PM Ticket: 018150
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RED Truck: 448
Manifest #: 262520

Description	Quantity
SPECIAL WASTE	24.39 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.39 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Red

2455

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 1208

2. Page 1 of 1

A. Manifest Number WMNA 262521

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name ~~BEACHER BULK~~ Reichert

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~[illegible]~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	001	DT	23713	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # [illegible] 5,140

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[illegible]	080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
[illegible]	[illegible]	080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[illegible]	[illegible]

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:09 PM
TIME IN: 2:09 PM Ticket: 018151
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MAC Truck: 525
Manifest #: 262521

Description	Quantity
SPECIAL WASTE	23.63 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.63 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Mac Noble

23.71

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12309

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262522

B. State Generator's ID

5. Transporter 1 Company Name: BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12314	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature: On behalf of

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:15 PM
TIME IN: 2:15 PM Ticket: 018153
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 262522

Description	Quantity
SPECIAL WASTE	23.49 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.49 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

23.74

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 125110

2. Page 1 of 1

A. Manifest Number WMNA 262523

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Petrochem

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 832-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00061D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	001	DT	27.18	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 785 Ex. 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)[illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT Ellis | Signature | Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97 #5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:24 PM
TIME IN: 2:24 PM Ticket: 018156
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262523

Description	Quantity
SPECIAL WASTE	27.14 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.14 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ell

27.18

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 231

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262524

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER-BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0005D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	233	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 762

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:31 PM
TIME IN: 2:31 PM Ticket: 018158
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262524

Description	Quantity
SPECIAL WASTE	23.12 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.12 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.3

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 212

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262525

B. State Generator's ID

5. Transporter 1 Company Name ~~PENOER-MIK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8221

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	001	CY	125.015	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON Signature: On behalf of Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Signature: Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Signature: Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:33 PM
TIME IN: 2:33 PM Ticket: 018159
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILL Truck: 405
Manifest #: 262525

Description	Quantity
SPECIAL WASTE	24.75 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.75 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

405

25.05

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12513

2. Page 1 of 1

A. Manifest Number WMNA 262526

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12465	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature On behalf of | Month Day Year 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:40 PM
TIME IN: 2:40 PM Ticket: 018161
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262526

Description	Quantity
SPECIAL WASTE	24.29 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.29 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24-65

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12514 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262527

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAUFEL-MILK~~ — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~[illegible]~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24.72	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature: Jeff Jenkins — Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:43 PM
TIME IN: 2:43 PM Ticket: 018162
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262527

Description	Quantity
SPECIAL WASTE	24.23 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.23 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jackson

2472

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170024711 Manifest Document No. 12315

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262528

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12.15	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:50 PM
TIME IN: 2:50 PM Ticket: 018164
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262528

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.15

21.8

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 25 16

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262529

B. State Generator's ID

5. Transporter 1 Company Name ~~BEDVER TRUCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ~~(802) 232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 5793	001	T	21.19	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 43

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 08 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James Irwin | Signature: James Irwin | Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:46 PM
TIME IN: 2:46 PM Ticket: 018163
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JAMES Truck: 43
Manifest #: 262529

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	Ditrict: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature James Irvin

21.19

21.21

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262530

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-RESULTED SOIL WM Profile # CU 5793	001	DT	12196	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: O.C. Bradham JR | Signature | Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 2:59 PM
TIME IN: 2:59 PM Ticket: 018167
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 525
Manifest #: 262530

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.96

21.78

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2. Page 1 of 1

A. Manifest Number WMNA 262531

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 39, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name INFOVER-BULK
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-0371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DL5793	001	DT	12.12	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket 731

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON
Signature "On behalf of" [signature]
Month Day Year 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Dunton
Signature [signature]
Month Day Year 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name
Signature
Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:03 PM
TIME IN: 3:03 PM Ticket: 018168
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 262531

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature:

22.12

21.9

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1/23/19

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262532

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Petroleum

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 5 3	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 702

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN — Signature — Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:18 PM
TIME IN: 3:18 PM Ticket: 018173
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262532

Description	Quantity
SPECIAL WASTE	25.28 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.28 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

25.3

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 / Manifest Document No. 6520

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262533

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL5793	001	T	21.63	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of [signature] | Month Day Year: 080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Roy Brandow | Signature: [signature] | Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:25 PM
TIME IN: 3:25 PM Ticket: 018175
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ROY Truck: 62
Manifest #: 262533

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Brandon

21.63

21.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12 52

2. Page 1 of 1

A. Manifest Number WMNA 262534

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	1 2 3 0 1 4	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature On behalf of — Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:21 PM
TIME IN: 3:21 PM Ticket: 018174
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262534

Description	Quantity
SPECIAL WASTE	22.88 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.88 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

23.04

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 262535

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262535

B. State Generator's ID

5. Transporter 1 Company Name ~~SEAWIFER BULK~~ Reichert

6. US EPA ID Number

C. State Transporter's ID FUA 3402

D. Transporter's Phone ~~(800) 232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	22518	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1073

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of McPherson — Month Day Year: 080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:31 PM
TIME IN: 3:31 PM Ticket: 018177
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: LARRY Truck: 363
Manifest #: 262535

Description	Quantity
SPECIAL WASTE	22.40 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.40 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.58

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517092247 — Manifest Document No. 1732

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262536

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	1.9	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: R Russell — Signature — Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:35 PM
TIME IN: 3:35 PM Ticket: 018178
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 337
Manifest #: 262536

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Russell #337

18.04

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 — Manifest Document No. 262537

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262537

B. State Generator's ID

5. Transporter 1 Company Name ~~REFINER-TRUK~~ [illegible]

6. US EPA ID Number

C. State Transporter's ID [illegible]

D. Transporter's Phone (800) ~~232-8374~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	DT	21/41	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 080802

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Sheila Russell — Signature — Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:39 PM
TIME IN: 3:39 PM Ticket: 018179
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SHEILA Truck: 334
Manifest #: 262537

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature ARussell

21.14

21.14

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2312 5

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262538

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12244	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 787

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John Jones

Signature

Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 3:42 PM
TIME IN: 3:42PM Ticket: 018180
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262530

Description	Quantity
SPECIAL WASTE	22.23 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.23 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.44

NON-HAZARDOUS

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 / Manifest Document No. 6526

2. Page 1 of 1

A. Manifest Number WMNA 262539

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	0 0 1	D T		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 4:09 PM
TIME IN: 4:09 PM Ticket: 018184
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262539

Description	Quantity
SPECIAL WASTE	25.14 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.14 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

25.33

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1215 21 — 2. Page 1 of 1

A. Manifest Number **WMNA 262540**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CL 5793	001	DT	12/6413	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 080802

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 080802

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 4:13 PM
TIME IN: 4:13 PM Ticket: 018185
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GRADY Truck: 715
Manifest #: 262540

Description	Quantity
SPECIAL WASTE	26.16 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.16 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature GRADY JACKSON

26-43

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|4|7|1 Manifest Document No. 262541

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262541

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Prichett

6. US EPA ID Number

C. State Transporter's ID FLX-3402

D. Transporter's Phone (800) ~~238-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	0 0 1	T	2 3 2 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

truck 724 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08|08|02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible]

Signature [signature]

Month Day Year 08|08|02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 4:05 PM
TIME IN: 4:05 PM Ticket: 010183
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WALTER Truck: 724
Manifest #: 262541

Description	Quantity
SPECIAL WASTE	23.22 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.22 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Walter

23.26

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12529

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262542

B. State Generator's ID

5. Transporter 1 Company Name BEAVER-BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00060

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12341	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 01 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson Signature: Eddie Jackson Month Day Year 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/08/2002 4:22 PM
TIME IN: 4:22 PM Ticket: 018187
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262542

Description	Quantity
SPECIAL WASTE	23.02 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.02 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

23.01

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12353

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262543

B. State Generator's ID

5. Transporter 1 Company Name ~~WEAVER TRUCK~~ Pitchoff

6. US EPA ID Number

C. State Transporter's ID BOY-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DL5793	001	DT	18.91 ~~18.71~~	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # ~~348~~ 374

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature On behalf of: | Month Day Year: 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

08/12/2002 10:55 AM
IN: 10:55 AM Ticket: 018252
133
INDUSTRIAL SERVICES
FULTON INDUSTRIAL BLVD
ANTA GA 30336

CHARLES Truck: 374
862543

Description	Quantity
ECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
ILL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
ST REIMBURSEMENT	
ST FEE	
ERFUND	

Signature

18.97

18.97

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 02334

2. Page 1 of 1

A. Manifest Number WMNA 262544

B. State Generator's ID

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CI 5793	001	DT	20.5	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 318

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08/12/98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 10:58 AM
TIME IN: 10:58 AM Ticket: 018253
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILLY Truck: 318
Manifest #: 002544

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20-51

20.69

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 2 0 0 2 2 4 7 1 — Manifest Document No. 262545

2. Page 1 of 1

A. Manifest Number WMNA 262545

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~REGUER BULK~~ Pitchett

6. US EPA ID Number

C. State Transporter's ID EOS-3402

D. Transporter's Phone (800) ~~832-6371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 3 0 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Sk 49 Truck # 520

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		0 3 1 2 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
O.C. Abraham Jr		0 3 1 2 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

ate: 08/12/2002 11:24 AM
IME IN: 11:24 AM Ticket: 018255
4-133
INDUSTRIAL SERVICES
FULTON INDUSTRIAL BLVD
TLANTA GA 30336

Driver: D.C. Truck: 526
anifest #: 262545

Description	Quantity
SPECIAL WASTE	23.01 TON
ource: DUVAL Type: SPW	District: IN
AIL CHARGE	23.01 TON
ource: DUVAL Type: SPW	District: IN
OST REIMBURSEMENT	
OST FEE	
UPERFUND	

Signature D C Dougherty

29.06

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12336

2. Page 1 of 1

A. Manifest Number WMNA 262546

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12253	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

743

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/12/12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RW Williams | Signature: RW Williams | Month Day Year 08/12/12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 11:40 AM
TIME IN: 11:40 AM Ticket: 018256
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262546

Description	Quantity
SPECIAL WASTE	23.95 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.95 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
LDST FEE	
SUPERFUND	

Signature

22.53

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5172022471 Manifest Document No. 262547

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262547

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID 2-8-3402

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-000 6D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	020007	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
SURF Truck # 383

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month 10 Day 12 Year 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month 10 Day 12 Year 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WM

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002
TIME IN: 11:59 TIME OUT: 11:59 11:59 AM
854-133 Ticket: 018258
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVE
Manifest #: 262547 Truck: 383

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.7

21.37

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 262548

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262548

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK DRILLING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24/19	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

5 Yd 49 TRUCK # 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 10/8/12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN | Signature | Month Day Year 10/8/12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 12:21 PM
TIME IN: 12:21 PM Ticket: 018259
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262548

Description	Quantity
SPECIAL WASTE	24.45 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.45 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

24.19

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 / Manifest Document No. 2559

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262549

B. State Generator's ID

5. Transporter 1 Company Name ~~BEQUER WRK~~ PRICHETT

6. US EPA ID Number

C. State Transporter's ID 308-3403

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	001	CT	12339	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 1071

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 10 31 12 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year: 10 31 12 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 12:24 PM
TIME IN: 12:24 PM Ticket: 018260
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MIKE Truck: 1074
Manifest #: 262549

Description	Quantity
SPECIAL WASTE	23.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Mk Fosk

23.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12340 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262550

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Pollutt — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	0 0 1	T	24,217	T	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McCHERSON — Signature "On behalf of" — Month Day Year: 0 8 1 2 0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 0 8 1 2 0 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:14 PM
TIME IN: 1:14 PM Ticket: 018275
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262550

Description	Quantity
SPECIAL WASTE	24.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jackson

24.77

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|8|9|2|4|7|1 Manifest Document No. 12341

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number **WMNA 262551**

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ PRIMEX

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 222-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	001	DT	21.28 14.52	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 706

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08 12 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Sammy Jones	[signature]	08 12 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
N. Barnard	[signature]	08 12 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 12:49 PM
TIME IN: 12:49 PM Ticket: 018267
854-133
ED INDUSTRIAL SERVICES
5500 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262551

Description	Quantity
SPECIAL WASTE	22.28 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.28 TON
Source: DUVAL Type: SPW	District: IN
DOST REIMBURSEMENT	
DOST FEE	
SUPERFUND	

Signature Samuel Jackson

21.28

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12342
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262552

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Pa. C.H.H.
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	23156	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Sit-up

Truck # 435

STEVE GRANT (404)661-1873

Purchase Order #

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

PUBLIC WORKS CENTER 4 7 1 1
BOX 30, CODE 331
JACKSONVILLE, FL 32212
904 542-5979

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: BEAVER BULK — Mitchell B. McPherson

Signature "On behalf of" — (800) 832-8371

Month Day Year: 08/12/08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CHESSER ISLAND ROAD LANDFILL, INC. 12.1 MILES SW OF FOLKSTON P. O. BOX 128 FOLKSTON, GA 32537

Signature — NA

Month Day Year: 08/12/08

18. Transporter 2 Acknowledgement of Receipt of Materials — 024-0006D — 912-496-7918

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certification of Final Treatment/Disposal NON-HAZARDOUS, NON-REGULATED SOIL

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:06 PM
TIME IN: 1:06 PM Ticket: 010273
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HOWARD Truck: 435
Manifest #: 262552

Description	Quantity
SPECIAL WASTE	24.56 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.56 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature H. Smith

23.56

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 12373 2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262557

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pac Hatt 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~[illegible]~~

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23699	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Site 49 Truck # 771

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (484) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL R. McPHERSON Signature "On behalf of" Month Day Year 08 12 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Kevin Dunn Signature Month Day Year 08 12 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 12:52 PM
TIME IN: 12:52 PM Ticket: 018268
654-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262557

Description	Quantity
SPECIAL WASTE	24.45 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.45 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester Dunmore

29-69

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 8 2 2 4 7 1 Manifest Document No. 12514

2. Page 1 of

A. Manifest Number WMNA 262558

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Pathlet

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) 232-8271

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON-HAZARDOUS, NON-REGULATED SOIL~~ WM Profile # CU 5793	0 0 1	D T	22519	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
5. To 40 TRUCK # 420

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON Signature On behalf of Month Day Year 10 8 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Jon Sturcuk Signature Month Day Year 10 8 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97 #5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:10 PM
TIME IN: 1:10 PM Ticket: 010274
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 262558

Description	Quantity
SPECIAL WASTE	23.70 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.70 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.59

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 23745

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262559

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BUCK Doile Hot

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.91	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Site 49 Truck # 777

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		10 8 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RAY RIFE		10 8 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
		10 11 12

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:25 PM
TIME IN: 1:25 PM Ticket: 018278
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
Manifest #: 262559

Description	Quantity
SPECIAL WASTE	23.70 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.70 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.91

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 25476
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262560

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 272-0371

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESTER FOLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00006D

G. State Facility's ID

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON HAZARDOUS, NON REGULATED SOIL~~ WM Profile # CU 5793	001	DT	26.7	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 19 Truck # 722

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 12 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Tommy Moore Signature Tommy Moore Month Day Year 08 12 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:28 PM
TIME IN: 1:28 PM Ticket: 018279
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TOMMY Truck: 722
Manifest #: 262560

Description	Quantity
SPECIAL WASTE	26.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Tommy Moore

26-7

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170822471 Manifest Document No. 12512

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542 5979

A. Manifest Number WMNA 262561

B. State Generator's ID

5. Transporter 1 Company Name ~~MERCHANTS MILK~~ Pro Liquid

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID ~~(888) 202-0271~~

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # ~~CU 5793~~	001	T	126713	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification 374

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Cell # 374

Purchase Order #

EMERGENCY CONTACT: STEVE GROUT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON

Signature "On behalf of"

Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:37 PM
TIME IN: 1:37 PM Ticket: 018282
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLES Truck: 374
Manifest #: 262561

Description	Quantity
SPECIAL WASTE	26.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Charles

26-73

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12348

2. Page 1 of 1

A. Manifest Number WMNA 262562

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Dr. Hart — 6. US EPA ID Number

C. State Transporter's ID 2-8-3422

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	25.20 ~~26.7~~	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature On behalf of: — Month Day Year 0 8 1 2 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Willie Tiso — Signature — Month Day Year 0 8 1 2 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:40 PM
TIME IN: 1:40 PM Ticket: 018283
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: OFFIE Truck: 1025
Manifest #: 262562

Description	Quantity
SPECIAL WASTE	25.55 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.55 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Offie Taylor

25.2

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 18349

2. Page 1 of 1

A. Manifest Number WMNA 262563

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~FREQUER BULK~~ TRICON

6. US EPA ID Number

C. State Transporter's ID 308-3402

D. Transporter's Phone (800) 232-0371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID MA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	T	12761	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON Signature: On behalf of Month Day Year 10 01 12 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 10 01 12 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:43 PM
TIME IN: 1:43 PM Ticket: 018204
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILLY Truck: 318
Manifest #: 262563

Description	Quantity
SPECIAL WASTE	27.55 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.55 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

27.11

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|1|5|1|7|0|0|2|2|4|7|1| Manifest Document No. 123150

2. Page 1 of 1

A. Manifest Number WMNA 262564

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	26.29	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 417

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	06 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Allin T Robertson	[signature]	03 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 1:54 PM
TIME IN: 1:54 PM Ticket: 018285
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ALVIN Truck: 417
Manifest #: 262564

Description	Quantity
SPECIAL WASTE	26.10 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.10 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Alvin Rolemp

26:29

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 02551

2. Page 1 of 1

A. Manifest Number WMNA 262565

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5379

5. Transporter 1 Company Name ~~BEAVER TRUCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 208 3402

D. Transporter's Phone (800) ~~838-8221~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	0 0 1	T	12546	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 512

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 0 8 / 1 2 / 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: LINDSON BROWN

Signature

Month Day Year 0 8 / 1 2 / 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 2:08 PM
TIME IN: 2:08 PM Ticket: 018287
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BEBO Truck: 512
Manifest #: 262565

Description	Quantity
SPECIAL WASTE	26.30 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.30 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature BeBo Brown

29.46

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 1 — Manifest Document No. 82152

2. Page 1 of 1

A. Manifest Number WMNA 262566

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Rec Hart

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~222-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	20.93	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 471

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": MBMcPherson

Month Day Year: 0 8 1 1 1 2 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 2:15 PM
TIME IN: 2:15 PM Ticket: 018288
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GARLAND Truck: 471
Manifest #: 262566

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.93

20.68

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 2
2. Page 1 of 1

A. Manifest Number WMNA 262567

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537
10. US EPA ID Number 024-0006D

G. State Facility's ID HA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 5793	001	DT	22.78 ~~25.446~~	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 526

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 10/31/2002

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: G. C. Drahan Jr.

Signature

Month Day Year 10/31/2002

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 2:19 PM
TIME IN: 2:19 PM Ticket: 018289
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 526
Manifest #: 262567

Description	Quantity
SPECIAL WASTE	22.68 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.68 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22-78

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|8|1|7|0|0|2|2|4|7|1 Manifest Document No. 262568

2. Page 1 of 1

A. Manifest Number **WMNA 262568**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patriot

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8271

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22914	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

5,12 49 Truck # 793

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	12/8/12/0/2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
R W Isserwin	R W Isserwin	10/8/12/0/2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[illegible]	

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 2:38 PM
TIME IN: 2:38 PM Ticket: 018291
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262568

Description	Quantity
SPECIAL WASTE	22.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

2294

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1 1 1 1 1 1

2. Page 1 of 1

A. Manifest Number **WMNA 262569**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BROWER TRUCK~~ Pathfinder

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 238-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 5793	0 0 1	T	24.82	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 706

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature On behalf of:

Month Day Year: 08/12/08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown

Signature

Month Day Year: 08/12/08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 2:59 PM
TIME IN: 14:59 TIME OUT: 14:59 Ticket: 018293
654-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262569

Description	Quantity
SPECIAL WASTE	24.64 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.64 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

22.94

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 25555

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262570

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER-BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12158	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08/12/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 3:38 PM
TIME IN: 3:38 PM Ticket: 018296
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262570

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

21.58

21.53

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 2 0 0 2 2 4 7 1 — Manifest Document No. 1 2 3 5 6

2. Page 1 of 1

A. Manifest Number WMNA 262571

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 5793	0 0 1	T	20.40	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 774 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Justin Dunmas

Signature

Month Day Year 08/12/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 3:41 PM
TIME IN: 3:41 PM Ticket: 018297
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262571

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester L. Dinsmore

20.4

20.3

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12357

2. Page 1 of 1

A. Manifest Number WMNA 262572

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitch H

6. US EPA ID Number

C. State Transporter's ID 908-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	20.95	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 170

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": Mitch Scharn

Month Day Year: 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JON STARLING

Signature:

Month Day Year: 08/12/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 4:06 PM
TIME IN: 4:06 PM Ticket: 018384
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 262572

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|8|2|4|7|1 Manifest Document No. KS38

2. Page 1 of 1

A. Manifest Number **WMNA 262573**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID 608-3402

D. Transporter's Phone (800) [illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL5793	001	DT	22151	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 395

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON

Signature: On behalf of [illegible]

Month Day Year: 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Jones

Signature: [illegible]

Month Day Year: 08/12/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 4:12 PM
TIME IN: 4:12 PM Ticket: 018307
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262573

Description	Quantity
SPECIAL WASTE	22.33 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.33 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jones

22.51

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document Number 12359

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262574

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitbull

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature: On behalf of Month Day Year 08/12/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tommy Moore Signature: Tommy Moore Month Day Year 08/12/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 4:09 PM
TIME IN: 16:09 TIME OUT: 16:09 Ticket: 018305
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TOMMY Truck: 722
Manifest #: 262574

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Tommy Mar

20.45 20.69

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12360

2. Page 1 of 1

A. Manifest Number WMNA 262575

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 222-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL5793	001	DT	12.17	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket 777

Purchase Order # 119

EMERGENCY CONTACT: STEVE GRANT (484)661-1973

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON

Signature "On behalf of"

Month Day Year 08/12/93

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY RIEL

Signature

Month Day Year 08/12/93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/12/2002 4:11 PM
TIME IN: 4:11 PM Ticket: 018306
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
Manifest #: 262575

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.87

21.87

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12361

2. Page 1 of 1

A. Manifest Number WMNA 262576

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Pitlatt

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12562	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile # 31 440					

J. Additional Descriptions for Materials Listed Above 785 — 262571

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell 35.62 Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 5,L 419 Truck 785

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name R Barnard — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 8:26 AM
TIME IN: 8:26 AM Ticket: 018419
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262576

Description	Quantity
SPECIAL WASTE	25.51 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.51 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Eller

25.62

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12362

2. Page 1 of 1

A. Manifest Number **WMNA 262577**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~HEAVEY TRUCK~~ Pittcraft

6. US EPA ID Number

C. State Transporter's ID 608-3402

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12326	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck # 770

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

NM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 8:55 AM
TIME IN: 8:55 AM Ticket: 018421
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HARRY Truck: 770
Manifest #: 262577

Description	Quantity
SPECIAL WASTE	23.18 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.18 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature FOR PRITCHETT

23.26

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12343

2. Page 1 of 1

A. Manifest Number WMNA 262578

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

C. State Transporter's ID

5. Transporter 1 Company Name
REAVER BULK

6. US EPA ID Number

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 3.4 9	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK # 7113

Purchase Order # 119

EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" McPherson

Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: R Wissemann

Signature: R W

Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Barnard

Signature X

Month Day Year 08/14/02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 8:59 AM
TIME IN: 8:59 AM Ticket: 018422
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262578

Description	Quantity
SPECIAL WASTE	23.49 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.49 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.49

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 262579

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262579

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER TRUCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 605-342

D. Transporter's Phone (800) 232-8701

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.41	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 396

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL D. McPHERSON	[signature]	08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
SKIP SEALS	[signature]	08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, ~~permits and~~ licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

T

Date: 08/14/2002 9:22 AM
TIME IN: 9:22 AM Ticket: 018426
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SKIP Truck: 396
Manifest #: 262579

Description	Quantity
SPECIAL WASTE	22.49 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.49 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Skip Leal

22.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517092471 — Manifest Document No. V23615 — 2. Page 1 of 1

A. Manifest Number WMNA 262580

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

C. State Transporter's ID

5. Transporter 1 Company Name: BEAVER BULK — 6. US EPA ID Number

D. Transporter's Phone (800) 232-8371

E. State Transporter's ID

7. Transporter 2 Company Name — 8. US EPA ID Number

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537
— 10. US EPA ID Number 024-0006D

G. State Facility's ID: HA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	12411	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 712

Purchase Order # 9/2 99

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson — Signature: Eddie Jackson — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 9:12 AM
TIME IN: 9:12 AM Ticket: 018423
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262500

Description	Quantity
SPECIAL WASTE	22.31 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.31 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

22.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12566

2. Page 1 of 1

A. Manifest Number WMNA 262581

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER TRUCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 806-3402

D. Transporter's Phone (800) 238-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23450	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TRUCK 4118

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature (On behalf of) — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Morrill Knight — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 10:40 AM
TIME IN: 10:40 AM Ticket: 018445
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RED Truck: 440
Manifest #: 262581

Description	Quantity
SPECIAL WASTE	23.43 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.43 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Red

23.5

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12367

2. Page 1 of 1

A. Manifest Number WMNA 262582

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	26498	T	
b. 706 WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site #49 Truck # 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jac Brown Signature Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97 #5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 10:26 AM
TIME IN: 10:26 AM Ticket: 018443
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262582

Description	Quantity
SPECIAL WASTE	26.39 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.39 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

26.48

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 / 25168 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 262583**

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 205-3468

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL5793	001	DT	21461	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 768

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature On behalf of: [signature]

Month Day Year: 08 14 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass

Signature: [signature]

Month Day Year: 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 10:28 AM
TIME IN: 10:28 AM Ticket: 018444
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 760
Manifest #: 262583

Description	Quantity
SPECIAL WASTE	24.55 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.55 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

24.61

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12369

2. Page 1 of 1

A. Manifest Number WMNA 262584

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patchett

6. US EPA ID Number

C. State Transporter's ID 608-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	27.62	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 769

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 11:07 AM
TIME IN: 11:07 AM Ticket: 018456
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 262584

Description	Quantity
SPECIAL WASTE	27.61 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.61 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

27.62

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 12370

2. Page 1 of 1

A. Manifest Number WMNA 262585

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 508-3402

D. Transporter's Phone (800) ~~232-8271~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number |0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL5793	001	DT	12314	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 Truck # 774

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chester Dunmon | Signature | Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 10:50 AM
TIME IN: 10:50 AM Ticket: 018451
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262585

Description	Quantity
SPECIAL WASTE	23.84 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.84 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester LeDonnor

23.94

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1257

2. Page 1 of 1

A. Manifest Number WMNA 262586

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 304-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	7 6 1 8	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 785 Truck 785

Purchase Order #

EMERGENCY CONTACT: STEVE GANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 14 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Matt Ellis

Signature

Month Day Year: 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

R

Date: 08/14/2002 11:04 AM
TIME IN: 11:04 AM Ticket: 018455
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262586

Description	Quantity
SPECIAL WASTE	26.26 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.26 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt

26.18

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 12572

2. Page 1 of 1

A. Manifest Number WMNA 262587

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DU 5793	0 0 1	D T	2 2 7 1	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 1012

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Charles Mobley

Signature [signature]

Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 11:10 AM
TIME IN: 11:10 AM Ticket: 018457
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLEY Truck: 1012
Manifest #: 262587

Description	Quantity
SPECIAL WASTE	22.62 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.62 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.71

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No. 1/2 3/3

2. Page 1 of 1

A. Manifest Number WMNA 262588

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Pritchett

6. US EPA ID Number

C. State Transporter's ID SAV-3462

D. Transporter's Phone (800) 332-0371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24.95	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid 24.95

15. Special Handling Instructions and Additional Information

site 49 Truck 770

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Mary J Hurst II | Signature | Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 11:44 AM
TIME IN: 11:44 AM Ticket: 018466
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HARRY Truck: 770
Manifest #: 262568

Description	Quantity
SPECIAL WASTE	24.85 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.85 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24-95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1/4

2. Page 1 of 1

A. Manifest Number WMNA 262589

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID FOF-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	24001	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #	76755				

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 743

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1872

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON | Signature On behalf of | Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name R Wissenus | Signature R Wissenus | Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 11:47 AM
TIME IN: 11:47 AM Ticket: 018467
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262589

Description	Quantity
SPECIAL WASTE	23.95 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.95 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature R L Wa

24-01

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 12375

2. Page 1 of 1

A. Manifest Number WMNA 262590

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID

H. Facility's Phone 912-496-7318

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12294	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK # 712

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (480)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie JACKSON Signature: Eddie Jackson Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name R. Barnard Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 11:58 AM
TIME IN: 11:58 AM Ticket: 018470
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262590

Description	Quantity
SPECIAL WASTE	22.90 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.90 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

22.94

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2316

2. Page 1 of 1

A. Manifest Number WMNA 262591

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patrell

6. US EPA ID Number

C. State Transporter's ID 8[illegible]-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22117	T	
b. WM Profile #					
c. WM Profile #			27.17		
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 777

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON | Signature/On behalf of [signature] | Month Day Year 08 14 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Roy Kirk | Signature [signature] | Month Day Year 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name [illegible] | Signature [signature] | Month Day Year [illegible]

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 06/14/2002 12:01 PM
TIME IN: 12:01 PM Ticket: 018471
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Drier: RAY Truck: 777
Manifest #: 262591

Description	Quantity
SPECIAL WASTE	22.18 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.18 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.17

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 Manifest Document No. 12377

2. Page 1 of 1

A. Manifest Number WMNA 262592

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 36, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Bigfoot

6. US EPA ID Number

C. State Transporter's ID 808-3463

D. Transporter's Phone (800) ~~835-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID N/A

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12263	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Site 49 TK# 435

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON | Signature (On behalf of) | Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Howard Smith | Signature | Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 12:15 PM
TIME IN: 12:15 PM Ticket: 018475
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HOWARD Truck: 435
Manifest #: 262592

Description	Quantity
SPECIAL WASTE	22.54 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.54 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.63

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2578

2. Page 1 of 1

A. Manifest Number WMNA 262593

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 808-3402

D. Transporter's Phone (800) ~~232-6371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.27	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK# 7395

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 14 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Jenkins

Signature

Month Day Year: 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year: 08 14 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 12:11 PM
TIME IN: 12:11 PM Ticket: 018474
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262593

Description	Quantity
SPECIAL WASTE	23.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jenkins

23.27

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1/25/9

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262594

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 668-3462

D. Transporter's Phone (800) ~~832-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	26.25	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location 262594

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 419 TK# 715

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 01 14 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 01 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 12:31 PM
TIME IN: 12:31 PM Ticket: 018479
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GRADY Truck: 715
Manifest #: 262594

Description	Quantity
SPECIAL WASTE	26.21 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.21 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature GRADY JACKSON

26.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 12580

2. Page 1 of 1

A. Manifest Number WMNA 262595

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Pritchard

6. US EPA ID Number

C. State Transporter's ID SBC-3412

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CRESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21140	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 396

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484) 661-1872

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON

Signature: On behalf of

Month Day Year: 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Skip Seals

Signature: Skip Seals

Month Day Year: 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 12:49 PM
TIME IN: 12:49 PM Ticket: 018485
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SKIP Truck: 396
Manifest #: 262595

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.4

21,33

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12581

2. Page 1 of 1

A. Manifest Number WMNA 262596

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BUCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 508-3462

D. Transporter's Phone (800) ~~232-8571~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23614	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell 3, 64 Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck # 2564 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe BROWN — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 1:16 PM
TIME IN: 1:16 PM Ticket: 018494
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262596

Description	Quantity
SPECIAL WASTE	23.58 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.58 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23-64

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2382

2. Page 1 of 1

A. Manifest Number WMNA 262597

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEADER ENV~~ Trinderth

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232~~-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	25	T	
b. WM Profile #			25		
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 4A Truck # 771

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)861-1373

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature On behalf of: [signature]

Month Day Year: 08/13/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chester Dunmire

Signature: [signature]

Month Day Year: 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Barnard

Signature: [signature]

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 1:22 PM
TIME IN: 1:22 PM Ticket: 018496
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262597

Description	Quantity
SPECIAL WASTE	23.24 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.24 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

39.85

Signature Chester L. Dunmore

23.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12381

2. Page 1 of 1

A. Manifest Number WMNA 262598

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER ROCK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 409-3462

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NH

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	T	12364	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 736

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Dorlin — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 1:51 PM
TIME IN: 1:51 PM Ticket: 018504
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 262598

Description	Quantity
SPECIAL WASTE	23.61 TON
Source: DUVAL Type: SPW	District: IN
HAUL,CHARGE	23.61 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.44

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 12382

2. Page 1 of 1

A. Manifest Number WMNA 262599

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitchett

6. US EPA ID Number

C. State Transporter's ID 80-3162

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	25,314	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell 262599 Level

Grid

15. Special Handling Instructions and Additional Information

site 119 Truck # 705

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": [signature]

Month Day Year: 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT ELLIS

Signature: [signature]

Month Day Year: 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Dymond

Signature: [signature]

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 1:48 PM
TIME IN: 1:48 PM Ticket: 018503
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262599

Description	Quantity
SPECIAL WASTE	25.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

34.85

Signature Matt Ell

25.34

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12583

2. Page 1 of 1

A. Manifest Number WMNA 262600

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ P. Tidwell — 6. US EPA ID Number

C. State Transporter's ID SCC-3462

D. Transporter's Phone (800) ~~242-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 3 1 3	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 769

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 1:59 PM
TIME IN: 1:59 PM Ticket: 018506
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 262600

Description	Quantity
SPECIAL WASTE	23.28 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.28 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

23.13

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517802247 1 Manifest Document No. 12384

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262601

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 566-5962

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12123	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 712

Purchase Order # Site 119 EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature (On behalf of) | Month Day Year: 08/13/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson | Signature: Eddie Jackson | Month Day Year: 08/13/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:00 PM
TIME IN: 3:00 PM Ticket: 018520
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 262601

Description	Quantity
SPECIAL WASTE	22.18 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.18 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

22.23

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12385

2. Page 1 of 1

A. Manifest Number WMNA 262602

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BUCK~~ Dobbs

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NH

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12/14	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #	D2K1		26		

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK # 777

Purchase Order # 119

EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible]

Signature [signature]

Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:06 PM
TIME IN: 3:06 PM Ticket: 018521
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
manifest 262602

Description	Quantity
SPECIAL WASTE	22.14 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.14 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.14

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12396

2. Page 1 of 1

A. Manifest Number WMNA 262603

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pittsburgh

6. US EPA ID Number

C. State Transporter's ID FCC 3412

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12139	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK# 743

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RW Isserman Signature: RW Isserman Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name D. Dixon Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:39 PM
TIME IN: 3:39 PM Ticket: 018530
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262603

Description	Quantity
SPECIAL WASTE	23.34 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.34 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

27.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1258 1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262604

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22511	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Exp 49 TK# 395

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Jenkins

Signature

Month Day Year: 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:16 PM
TIME IN: 3:16 PM Ticket: 018524
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395

202604

Description	Quantity
SPECIAL WASTE	22.43 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.43 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Jobins

22.51

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 18508

2. Page 1 of 1

A. Manifest Number WMNA 262605

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pickett

6. US EPA ID Number

C. State Transporter's ID SC-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON-HAZARDOUS, NON-REGULATED SOIL~~ WM Profile # CU 5793	001	DT	2310	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 11C1 TK# 435

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Howard Smith	[signature]	08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:19 PM
TIME IN: 3:19 PM Ticket: 018525
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HOWARD Truck: 435
Manifest #: 262605

Description	Quantity
SPECIAL WASTE	23.02 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.02 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.1

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 12389

2. Page 1 of 1

A. Manifest Number WMNA 262606

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	26.45	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification 3000

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 TK# 715

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON Signature "On Behalf of" Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Randy Nickow Signature Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97 #5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:31 PM
TIME IN: 3:31 PM Ticket: 018528
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GRADY Truck: 715
Manifest #: 262606

Description	Quantity
SPECIAL WASTE	26.40 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.40 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature GRADY JACKSON

26.45

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12590

2. Page 1 of 1

A. Manifest Number WMNA 262607

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID FLA-3402

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12412	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 370

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08 14 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Terry J Hurst

Signature [signature]

Month Day Year 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name [signature]

Signature [signature]

Month Day Year 08 15 02

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 3:36 PM
TIME IN: 3:36 PM Ticket: 018529
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HARRY Truck: 770
Manifest #: 262607

Description	Quantity
SPECIAL WASTE	23.36 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.36 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature For Pritchett

23.42

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 02391

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262608

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Tidewater

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.47	T	
b. 702 WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket 119 Ticket 702

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 15 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year: 08 15 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 4:10 PM
TIME IN: 4:10 PM Ticket: 018530
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262600

Description	Quantity
SPECIAL WASTE	23.30 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.30 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.47

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2592

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262609

B. State Generator's ID

5. Transporter 1 Company Name ~~WEAVER BULK~~ Tedlett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ~~(800) 232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12 6451	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown Signature Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 4:28 PM
TIME IN: 4:28 PM Ticket: 018543
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262509

Description	Quantity
SPECIAL WASTE	26.50 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.50 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

26.51

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 / Manifest Document No. 2393

2. Page 1 of 1

A. Manifest Number WMNA 262610

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-0321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	7416	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 774

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 05 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08 05 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 4:32 PM
TIME IN: 4:32 PM Ticket: 018544
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262610

Description	Quantity
SPECIAL WASTE	24.06 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.06 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester L. Dumpson

24.17

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12574

2. Page 1 of 1

A. Manifest Number WMNA 262611

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5973

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 436-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12574	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 785 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT ELLIS | Signature | Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 4:35 PM
TIME IN: 4:35 PM Ticket: 018545
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262611

Description	Quantity
SPECIAL WASTE	25.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

25.74
~~24.17~~

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12345 — 2. Page 1 of 1

A. Manifest Number WMNA 262612

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

C. State Transporter's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ T. Hoff — 6. US EPA ID Number

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537
10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	28.78	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TK# 769
Purchase Order # STK 49
EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/14/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year 08/14/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name — Signature — Month Day Year

#5 - FACILITY USE ONLY

CWM - NHM - 1- 5/97

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/14/2002 4:46 PM
TIME IN: 4:46 PM Ticket: 018548
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 262612

Description	Quantity
SPECIAL WASTE	23.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.78

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12396

2. Page 1 of 1

A. Manifest Number WMNA 262613

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Pitts H — 6. US EPA ID Number

C. State Transporter's ID ICC-TMC2

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00061D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	26.00	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 1012

Purchase Order # 119

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 8:49 AM
TIME IN: 8:49 AM Ticket: 018564
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLEY Truck: 1012
Manifest #: 262513

Description	Quantity
SPECIAL WASTE	25.90 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.90 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

26.00

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12397

2. Page 1 of 1

A. Manifest Number WMNA 262614

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitch H

6. US EPA ID Number

C. State Transporter's ID SCR-3402

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.10	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck # 718

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year 08/15/02

CWM - NHM - 1- 5/97 #5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 11:59 AM
TIME IN: 11:59 AM Ticket: 010599
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262614

Description	Quantity
SPECIAL WASTE	23.01 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.01 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.1

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12578

2. Page 1 of 1

A. Manifest Number WMNA 262615

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitch-H

6. US EPA ID Number

C. State Transporter's ID GA-3462

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2782	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 373

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature]

Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Larry Dubar

Signature [signature]

Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name [signature]

Signature [signature]

Month Day Year 08/15/02

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

F

Date: 08/15/2002 9:54 AM
TIME IN: 9:54 AM Ticket: 018574
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: LARRY Truck: 373
Manifest #: 262615

Description	Quantity
SPECIAL WASTE	22.80 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.80 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Larry

22.82

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

12299

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247171 Manifest Document No. 12299

2. Page 1 of 1

A. Manifest Number WMNA 262616

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER-BULK~~ Pickett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5733	001	DT	21.00	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 Truck # 736

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature: On behalf of: [signature] Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Dentia Signature: [signature] Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 10:34 AM
TIME IN: 10:34 AM Ticket: 018581
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 262616

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.0

21.04

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 / 1 400 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262617

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Triple H — 6. US EPA ID Number

C. State Transporter's ID 806-3102

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	T	21431	T	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 774

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/15/12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chester Dunaway — Signature — Month Day Year 08/15/12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 10:22 AM
TIME IN: 10:22 AM Ticket: 018578
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262617

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.32

21.48

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12701

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262618

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ T. Ichett

6. US EPA ID Number

C. State Transporter's ID FCS-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21.56	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Gate 119 Truck # [illegible]

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of [signature] | Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 10:29 AM
TIME IN: 10:29 AM Ticket: 018580
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 262618

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.63

21.54

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 / 12702 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262619

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitchet

6. US EPA ID Number

C. State Transporter's ID 508-942

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.95	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck # 785

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of — Month Day Year: 08/15/92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 08/15/92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 10:44 AM
TIME IN: 10:44 AM Ticket: 018585
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262619

Description	Quantity
SPECIAL WASTE	22.90 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.90 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

22.95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12403

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262620

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Pittcoff

6. US EPA ID Number

C. State Transporter's ID 928-5412

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21437	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 Truck # 318

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature (On behalf of) Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 06/15/2002 11:27 AM
TIME IN: 11:27 AM Ticket: 018593
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BILLY Truck: 310
Manifest #: 262620

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.37

21.4

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 14704

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262621

B. State Generator's ID

5. Transporter 1 Company Name: BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24.83	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

PO 119 TK# 768

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 15 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass | Signature | Month Day Year 08 15 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Barnard | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 06/15/2002 11:16 AM
TIME IN: 11:16 AM Ticket: 018590
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 262621

Description	Quantity
SPECIAL WASTE	24.71 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.71 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

24.83

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12446

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262622

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patch

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24812	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK 395

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 11:24 AM
TIME IN: 11:24 AM Ticket: 018592
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262622

Description	Quantity
SPECIAL WASTE	24.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24.82

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12707

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262623

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~RENVER TOLK~~ Triple H

6. US EPA ID Number

C. State Transporter's ID 505-3162

D. Transporter's Phone (800) ~~832-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.86	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #	16	13			

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

23.86 162

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK # 1012

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature On behalf of	Month Day Year
MITCHELL B. McPHERSON	Mitchell McPherson	08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Richard Mobley	Richard Mobley	08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[illegible]	[illegible]

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 11:42 AM
TIME IN: 11:42 AM Ticket: 018596
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLEY Truck: 1012
Manifest #: 262623

Description	Quantity
SPECIAL WASTE	23.75 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.75 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

2-86

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2478

2. Page 1 of 1

A. Manifest Number WMNA 262624

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pittsburgh

6. US EPA ID Number

C. State Transporter's ID 906-3467

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.78	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 5-119 TK# 770

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON
Signature "On behalf of"
Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name
Signature
Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 11:52 AM
TIME IN: 11:52 AM Ticket: 018597
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HARRY Truck: 770
Manifest #: 262624

Description	Quantity
SPECIAL WASTE	23.70 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.70 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HUST FEE	
SUPERFUND	

For Ritchett

Signature

23.78

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 Manifest Document No. 12409

2. Page 1 of 1

A. Manifest Number WMNA 262625

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 808-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # QU 5793	001	DT	26.25	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck# 743

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature (On behalf of)

Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: R Wissman

Signature: R Wissman

Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: P. Barnard

Signature

Month Day Year: 08/15/02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 11:56 AM
TIME IN: 11:56 AM Ticket: 018598
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262625

Description	Quantity
SPECIAL WASTE	26.26 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.26 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

26.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12410

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262626

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitch-H

6. US EPA ID Number

C. State Transporter's ID 508-3462

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	25.63	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 706

Purchase Order # site 49

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown | Signature | Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: P. Barnard | Signature | Month Day Year: 8/21/02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:03 PM
TIME IN: 12:03 PM Ticket: 018600
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262626

Description	Quantity
SPECIAL WASTE	25.57 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.57 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joe B

25.63

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 24911

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262627

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 506-3462

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24911	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck 715

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ORAD JACKSON Signature Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name R. Barnard Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:12 PM
TIME IN: 12:12 PM Ticket: 010601
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: BRADY Truck: 715
Manifest #: 262627

Description	Quantity
SPECIAL WASTE	24.33 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.33 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature BRADY JACKSON

24.41

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517960224711 Manifest Document No. 2412
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262628

B. State Generator's ID

5. Transporter 1 Company Name BEAVER-FOLK
6. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA
H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	7281	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Site 49 Truck # 702
Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON
Signature "On Behalf of"
Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name
Signature
Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:29 PM
TIME IN: 12:29 PM Ticket: 018602
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262628

Description	Quantity
SPECIAL WASTE	22.77 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.77 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.84

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 4 7 3

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 262629

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Tidwell

6. US EPA ID Number

C. State Transporter's ID SK-SYR

D. Transporter's Phone (800) ~~232-4371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00061D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12340	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK# 2841 911

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 15 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 08 15 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR TRANSPORTER FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:44 PM
TIME IN: 12:44 PM Ticket: 018604
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GARLAND Truck: 419
Manifest #: 262629

Description	Quantity
SPECIAL WASTE	23.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

27.4

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1244

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262630

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 1 4 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 419 Truck # 723

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	McPherson	08 15 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Richard Hoskins		08 15 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:40 PM
TIME IN: 12:40 PM Ticket: 018603
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 723
Manifest #: 262630

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.46

21.38

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 1245
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262631
B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537
10. US EPA ID Number 024-0006D
G. State Facility's ID NA
H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	22107	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ste 119 TK# 774
Purchase Order #
EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:48 PM
TIME IN: 12:48 PM Ticket: 018685
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262631

Description	Quantity
SPECIAL WASTE	22.04 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.04 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester F. Dunmon

22.07

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 — Manifest Document No. 2516

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262632

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitchfork

6. US EPA ID Number

C. State Transporter's ID 568-7902

D. Transporter's Phone (800) ~~232-6371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2394	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck# 787

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe James — Signature — Month Day Year: 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Danard — Signature — Month Day Year: 08/15/02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 12:55 PM
TIME IN: 12:55 PM Ticket: 018606
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262632

Description	Quantity
SPECIAL WASTE	23.55 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.55 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.65

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517602247 1 Manifest Document No. 124 1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262633

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BUCK Pilot

6. US EPA ID Number

C. State Transporter's ID SCR-3117

D. Transporter's Phone (800)-232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	14.58	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 019 Truck # 785

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/15/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Matt Ellis Signature: Matt Ellis Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:10 PM
TIME IN: 1:10 PM Ticket: 018608
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262633

Description	Quantity
SPECIAL WASTE	24.71 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.71 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

24.58

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2418

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262634

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Patchett

6. US EPA ID Number

C. State Transporter's ID SAE-341

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2350	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 337

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature (On behalf of)	Month Day Year
MITCHELL B. McPHERSON		08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
R. Russell		08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:20 PM
TIME IN: 13:20 TIME OUT: 13:20 Ticket: 018610
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 337
Manifest #: 262534

Description	Quantity
SPECIAL WASTE	23.88 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.88 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature RRussell #337

23.85

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 Manifest Document No. 12919

2. Page 1 of 1

A. Manifest Number WMNA 262635

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID BCF 342

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22.25	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 339

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature On Behalf Of	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Sheila Russell	Sheila Russell	08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:23 PM
TIME IN: 1:23 PM Ticket: 018611
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SHEILA Truck: 334
Manifest #: 262635

Description	Quantity
SPECIAL WASTE	22.20 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.20 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature SRussell

22.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12920

2. Page 1 of 1

A. Manifest Number WMNA 262636

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Pittsburgh

6. US EPA ID Number

C. State Transporter's ID SOP-BUK2

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2731	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Job 119 TK# 764

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:36 PM
TIME IN: 1:36 PM Ticket: 018614
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 262636

Description	Quantity
SPECIAL WASTE	22.40 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.40 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.31

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2421

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262637

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5733	001	DT	2271	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell 75.71 Level

Grid

15. Special Handling Instructions and Additional Information

Gate 49 TK# 761

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: SAI NOTO | Signature | Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 2:08 PM
TIME IN: 2:08 PM Ticket: 018621
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAL Truck: 761
Manifest #: 262637

Description	Quantity
SPECIAL WASTE	23.19 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.19 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.71

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 7242

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262638

B. State Generator's ID

5. Transporter 1 Company Name BEAVER-BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	27.37	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL D. McPHERSON | Signature "On behalf of" | Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:49 PM
TIME IN: 1:49 PM Ticket: 018617
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 262638

Description	Quantity
SPECIAL WASTE	23.39 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.39 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.37

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2423

2. Page 1 of 1

A. Manifest Number WMNA 262639

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12312	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 119 Truck 768

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 15 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass | Signature | Month Day Year 08 15 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Damond | Signature | Month Day Year 08 15 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 1:51 PM
TIME IN: 1:51 PM Ticket: 018618
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 262639

Description	Quantity
SPECIAL WASTE	23.28 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.28 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

23.12

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 1274

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262640

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12321	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 716

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 05 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel Jackson — Signature — Month Day Year 08 05 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 2:00 PM
TIME IN: 2:00 PM Ticket: 018619
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262640

Description	Quantity
SPECIAL WASTE	23.41 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.41 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

23.21

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517602247 1 Manifest Document No. 2725

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262641

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ P. Tidwell

6. US EPA ID Number

C. State Transporter's ID 808-3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ~~NON-HAZARDOUS, NON-REGULATED SOIL~~ WM Profile # CU 5793	001	DT	2206	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 Truck # 395

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/15/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Jenkins Signature Month Day Year 08/15/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name P. Barnard Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/15/2002 2:04 PM
TIME IN: 2:04 PM Ticket: 018620
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 262641

Description	Quantity
SPECIAL WASTE	22.18 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.18 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Jeff Johnson

22.06

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12426 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262642

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ P. I. & H — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	22,87	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Sil 49 Truck # 262642

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT Ellis — Signature — Month Day Year 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 8:37 AM
TIME IN: 8:37 AM Ticket: 018658
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262642

Description	Quantity
SPECIAL WASTE	22.94 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.94 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt

22.87

OFFICE SUPPLY (912) 496-

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12427

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262643

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Tank

6. US EPA ID Number

C. State Transporter's ID 528-3462

D. Transporter's Phone (800) 232-0371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # QU 5793	001	T	22492	T	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Job 49 Truck # 743

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/18/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
R W Isenor	R W Isenor	08/18/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 06/19/2002 8:52 AM
TIME IN: 8:52 AM Ticket: 018659
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262643

Description	Quantity
SPECIAL WASTE	22.21 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.21 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.62

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 1248

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262644

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Rutledge

6. US EPA ID Number

C. State Transporter's ID 606-3462

D. Transporter's Phone (800) 232-8321

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2175	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell 21.75 Level

Grid

15. Special Handling Instructions and Additional Information

~~Site~~ ~~#~~ Site 119 Truck # 526

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 19 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: O.C. DOUGHAM JR. — Signature — Month Day Year 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:37 AM
TIME IN: 10:37 AM Ticket: 018679 Formerly # 18661
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 523
REPLACE TIC #18661
Manifest #: 262644

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

21.77

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:22 AM
TIME IN: 9:22 AM Ticket: 018661
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Voided
new # 18679

Driver: OC Truck: 526
Manifest #: 262644

Description	Quantity
SPECIAL WASTE	21.77 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.77 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature O.C. Drake

VOID

21.75

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1

Manifest Document No. 12/12

2. Page 1 of 1

A. Manifest Number WMNA 262645

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 805 3402

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	22411	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 396

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Skip Sells	Skip Sells	08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:48 AM
TIME IN: 9:48 AM Ticket: 018666
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SKIP Truck: 396
Manifest #: 262645

Description	Quantity
SPECIAL WASTE	22.10 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.10 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.11

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1212

Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262648

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BUCK~~ Pitkett

6. US EPA ID Number

C. State Transporter's ID 508-342

D. Transporter's Phone (800) 232-8324

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID N/A

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21.74	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 774

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)681-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/19/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
[signature]	[signature]	08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:29 AM
TIME IN: 10:39 AM Ticket: 018680
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Formerly 18664

Driver: CHESTER Truck: 774
REPLACE TIC # 18664
Manifest #: 262646

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

81.65

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:41 AM
TIME IN: 9:41 AM Ticket: ~~018664~~ new # 18680
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262646

Description	Quantity
SPECIAL WASTE	21.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

VOID

Signature Chester L. Dunmore

~~22.11~~ 21.74

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 02427

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262647

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID 608-3402

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21/4	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 716

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (904)[illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Samuel [illegible]	[signature]	08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:41 AM
TIME IN: 10:41 AM Ticket: 018681
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Formerly 18665

Driver: SAMUEL Truck: 716
REPLACE TIC # 18665
Manifest #: 262647

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

21.53

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:45 AM
TIME IN: 9:45 AM Ticket: 018665 new # 18681
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262647

Description	Quantity
SPECIAL WASTE	21.53 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.53 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson VOID

21.61

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12430

2. Page 1 of 1

A. Manifest Number WMNA 262648

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	24.08	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 702

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:55 AM
TIME IN: 9:55 AM Ticket: 018669
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TL Truck: 702
Manifest #: 262648

Description	Quantity
SPECIAL WASTE	23.98 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.98 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24-08

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1281

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262649

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pitchell

6. US EPA ID Number

C. State Transporter's ID 608-3112

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # QU 5793	001	DT	21192	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck# 712

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/09/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie JACKSON Signature: Eddie Jackson Month Day Year 08/9/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 9:59 AM
TIME IN: 9:59 AM Ticket: 018678
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Manifest # 18682

Driver: EDDIE Truck: 712
Manifest #: 2626649

Description	Quantity
SPECIAL WASTE	21.74 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.74 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

VOID

Signature Eddie Jackson

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Formerly tKet # 18670

Date: 08/19/2002 10:43 AM
TIME IN: 10:43 AM Ticket: 018682
854-133
ER INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
REPLACE TIC# 18670
Manifest #: 262649

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

21.74

21.92

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12432

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262650

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK T. J. L. H.

6. US EPA ID Number

C. State Transporter's ID 508-7112

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21631	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # site 119 EMERGENCY CONTACT: STEVE GRANT (484)661-1873 Truck # 435

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/19/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:05 AM
TIME IN: 10:05 AM Ticket: 018671
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HOWARD Truck: 435
Manifest #: 262650

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.31

21.34

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12753

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262651

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Tritchett

6. US EPA ID Number

C. State Transporter's ID SOR 3462

D. Transporter's Phone ~~(800) 222-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	20.58	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck # 1025

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08/F/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Ollie Tison	[signature]	08/F/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:10 AM
TIME IN: 10:10 AM Ticket: 018672
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: OFFIE Truck: 1025
Manifest #: 262651

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Offie Dyer

20.38

20.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12434

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262652

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BUCK~~ Pitbull

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	72158	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Site 119 Truck 718

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:27 AM
TIME IN: 10:27 TIME OUT: 10:27 Ticket: 018677
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 262652

Description	Quantity
SPECIAL WASTE	22.56 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.56 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

22.58

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2175

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262653

B. State Generator's ID

5. Transporter 1 Company Name: BEAVER BULK
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number GAD 024-000 6D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21436	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 TK # 777

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08/17/02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY RIEL Signature Month Day Year 08/17/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name P. Barnard Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:45 AM
TIME IN: 10:45 AM Ticket: 018683
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
Manifest #: 262653

Description	Quantity
SPECIAL WASTE	24.33 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.33 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24.36

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517982247 1 Manifest Document No. 12456

2. Page 1 of 1

A. Manifest Number WMNA 262654

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 5793	001	T	2233	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 117 TR# 287

EMERGENCY CONTACT: STEVE GRANT (484)661-1872

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08/16/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year: 08/16/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 10:55 AM
TIME IN: 10:55 AM Ticket: 018685
854-133
ER INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 262654

Description	Quantity
SPECIAL WASTE	22.29 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.29 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

22.33

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5 2 7 8 0 2 4 7 1 — Manifest Document No. 6 9 2 1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262655

B. State Generator's ID

5. Transporter 1 Company Name: BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 832-0371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: MA

H. Facility's Phone: 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # 00 5793	0 0 1	D T	2 3 5 H	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK# 457

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)662-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 11:04 AM
TIME IN: 11:04 AM Ticket: 018688
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JACK Truck: 457
Manifest #: 262655

Description	Quantity
SPECIAL WASTE	23.72 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.72 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

29.84

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 8 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12738

2. Page 1 of 1

A. Manifest Number **WMNA** 262656

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK Rudloff

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) [illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 1 1 6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# 785

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 11:01 AM
TIME IN: 11:01 AM Ticket: 018687
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 262656

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

21.6

21.68

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12759

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 332
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 262657**

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK — Tilcraft

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID 14

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # 01 5793	0 0 1	D T	2 3 2 5	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK# 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)561-1872

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jack Brown — Signature — Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 11:17 AM
TIME IN: 11:17 AM Ticket: 018689
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 262657

Description	Quantity
SPECIAL WASTE	23.20 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.20 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.75

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5172832221 Manifest Document No. 12440

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262658

B. State Generator's ID

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number
824-0006D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7919

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-RESULATED SOIL WM Profile # CU 5793	001	DT	24.27	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

SITE #49 TRK # 706

Purchase Order # EMERGENCY CONTACT: STEVE DRAKE (904) 541-2973

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	M McPherson	08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
R Wissemann	R Wissemann	08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 11:29 AM
TIME IN: 11:29 AM Ticket: 018691
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest #: 262650

Description	Quantity
SPECIAL WASTE	24.23 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.23 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

14.27

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 2111

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 20, BOXE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262659

B. State Generator's ID

5. Transporter 1 Company Name MERCER ROLL Pitcher

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-6371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 5733	001	DT	20.85	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

SL 017 TK#

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
O. C. Drummond	O. C. Drummond	08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 11:57 AM
TIME IN: 11:57 AM Ticket: 018692
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: O.C. Truck: 526
Manifest #: 262659

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20.83

20.85

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL3170802471 Manifest Document No. 12712

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 262660

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK Tilcon

6. US EPA ID Number

C. State Transporter's ID 408-3402

D. Transporter's Phone (800) 233-8374

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7919

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	17.70	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 TK 771

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (904) 542-1573

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": [signature]

Month Day Year: 08/17/12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [signature]

Signature: [signature]

Month Day Year: 08/17/12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 12:23 PM
TIME IN: 12:23 PM Ticket: 018693
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 262660

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester L Dunmore

17.66

17.7

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 12744

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5373

A. Manifest Number WMNA 262661

B. State Generator's ID

5. Transporter 1 Company Name HEAVER-ROCK Pitchett

6. US EPA ID Number

C. State Transporter's ID SC-3402

D. Transporter's Phone (803) 232-8971

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5733	001	DT	21438	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK# 702

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)882-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 14 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 08 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 12:33 PM
TIME IN: 12:33 PM Ticket: 018695
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 262661

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

21.38

21.28

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022421 Manifest Document No.

2. Page 1 of 1

A. Manifest Number WMNA 262662

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-3373

5. Transporter 1 Company Name BEAVER-BOLK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (832) 222-2371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	1966	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 54.49 EMERGENCY CONTACT: STEVE GRANT (484)661-1873 TK# 716

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 12:26 PM
TIME IN: 12:26 PM Ticket: 018694
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 262662

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

19.68

19.57

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5178022471 Manifest Document No. 12045 Page 1 of 1

A. Manifest Number WMNA 236820

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

C. State Transporter's ID

5. Transporter 1 Company Name PRITCHETT TRUCKING

6. US EPA ID Number

D. Transporter's Phone

E. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 6814	001	TT	17.52	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 712 S.L. 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL D. McPHERSON | Signature "On behalf of" | Month Day Year 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Eddie JACKSON | Signature Eddie Jackson | Month Day Year 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 12:48 PM
TIME IN: 12:48 PM Ticket: 018697
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 236020

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUAL Type: SPW	District: IN
COST REIMBURSEMENT	
TIRE FEE	
SUPERFUND	

Signature Eddie Jackson

1752

17.48

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 2446

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236821

B. State Generator's ID

5. Transporter 1 Company Name ~~PRIGNETT TRUCKING~~ Tindoff

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (912) 505-3142

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	T	21 60	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jeff Jenkins Signature Month Day Year 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name R. Barnard Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 1:22 PM
TIME IN: 1:22 PM Ticket: 018698
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 395
Manifest #: 236821

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	

Signature Jeff Johnson

21.6

21.4

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 1 7 0 8 2 2 4 7 1 — Manifest Document No. 1 1 1 1 1 1 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236822

B. State Generator's ID

5. Transporter 1 Company Name PITCHETT TRUCKING
Pitchett

6. US EPA ID Number

C. State Transporter's ID (see 805-3102

D. Transporter's Phone

7. Transporter 2 Company Name CHESSER ISLAND ROAD LANDFILL, INC.

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone NO

9. Designated Facility Name and Site Address
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON HAZARDOUS - NON Regulated SOIL CD 6014 WM Profile #	0 0 1	T T	22615	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

~~NON-HAZARDOUS, NON-REGULATED SOIL~~

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 396 Site 49 STEVE GRANT (404)661-1873

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

~~MITCHELL B. McPHERSON~~ Printed/Typed Name: Mitchell B. McPherson — Signature "On behalf of" — Month Day Year: 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Skip Sells — Signature: Skip Sells — Month Day Year: 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Blanchard — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 1:38 PM
TIME IN: 1:38 PM Ticket: 018702
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SKIP Truck: 396
Manifest #: 236022

Description	Quantity
SPECIAL WASTE	22.61 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.61 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Skip Seal

22.55

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002471 Manifest Document No. 1278

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 236830

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 825-3102

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6814	001	T	24.77	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____ 24.77

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 truck 777

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08/19/02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY RIEL

Signature

Month Day Year: 08/19/02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 1:26 PM
TIME IN: 1:26 PM Ticket: 018699
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 777
Manifest #: 236830

Description	Quantity
SPECIAL WASTE	24.60 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.60 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

24.77

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517008247112 Manifest Document No. 4449

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236831

B. State Generator's ID

5. Transporter 1 Company Name PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 808-3402

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6814	001	T	12339	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 787

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON | Signature "On behalf of" | Month Day Year: 10 8 1992

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John James | Signature | Month Day Year: 08 19 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year: 08 19 92

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 1:51 PM
TIME IN: 1:51 PM Ticket: 018706
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 236831

Description	Quantity
SPECIAL WASTE	23.35 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.35 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

23.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 12450

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236832

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 801-7142

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CI 6814	001	TT	11960	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

SL 119 TK # 705

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year: 08 19 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Matt Ellis — Signature — Month Day Year: 08 19 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/19/2002 2:10 PM
TIME IN: 2:10 PM Ticket: 018709
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 236832

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
FULL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
MUST FEE	
SUPERFUND	

Signature Matt Ellis

19.09

19.16

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 — Manifest Document No. 1462

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236868

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 929-3405

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	TT	20.65	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 712

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: ~~MITCHELL D. McPHERSON~~ Wayne C Hayes — Signature "On behalf of" Wayne C Hayes — Month Day Year 08 26 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson — Signature: Eddie Jackson — Month Day Year 08 26 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/26/2002 11:57 AM
TIME IN: 11:57 AM Ticket: 018923
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 236868

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: [illegible] Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: [illegible] Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

5752.38

20.58

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

9 LOCM 460

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 | 2455

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236869

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800 805-3402

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6814	0 0 1	T T	2 0 0	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck # 406

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: ~~MITCHELL D. MCPHERSON~~ Dayne Haywood | Signature On behalf of | Month 0 8 Day 2 6 Year 0 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month 0 8 Day 2 6 Year 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/26/2002 10:42 AM
TIME IN: 10:42 AM Ticket: 010915
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CLAYTON Truck: 406
Manifest #: 236869

Description	Quantity
SPECIAL WASTE	25.09 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.09 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 13.46

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236870

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 505-7462

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 6814	00	TT	25.94	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 706 SITE 706

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McCUMERSON — Signature "On behalf of" — Month Day Year 05 26 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN — Signature — Month Day Year 05 26 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR — TRANSPORTER — FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/26/2002 10:47 AM
TIME IN: 10:47 AM Ticket: 018916
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 236870

Description	Quantity
SPECIAL WASTE	25.60 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.60 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12761

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 236871

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 800 888 - 3102

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6814	004	TT	23,556	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 702 site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON — Signature "On behalf of" — Month Day Year 08 26 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/26/2002 10:38 AM
TIME IN: 10:38 AM Ticket: 018914
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 230871

Description	Quantity
SPECIAL WASTE	23.60 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.60 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12458

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236872

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (912) 568-7412

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 6014	001	TT	19.61	T	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK# 718

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 20 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 9:29 AM
TIME IN: 9:29 AM Ticket: 018738
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 236872

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
FUEL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

19.81

1963

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12457

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236873

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800)88-3102

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6814	001	TR	19.90	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 Truck 775

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	05 20 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
David Braswell	David Braswell	05 20 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 9:19 AM
TIME IN: 9:19 AM Ticket: 018737
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DAVID Truck: 775
Manifest #: 236873

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	

tons 19.71

Signature David

19.9

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12456

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number WMNA 236874

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (510) 586-3462

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	T	20137	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 119 TK# 716

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON | Signature "On behalf of" | Month Day Year 08 20 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Samuel Jackson | Signature | Month Day Year 08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Bond | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 9:13 AM
TIME IN: 9:13 AM Ticket: 018736
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 236874

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

20.37

20.42

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 4 7 1 Manifest Document No. 1295

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236875

B. State Generator's ID

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 808-3162

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	TT	2293	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

site 49 TK# 712

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature: On behalf of

Month Day Year: 08 20 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson

Signature: Eddie Jackson

Month Day Year: 08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: P. Darnard

Signature: P. Darnard

Month Day Year: 08 20 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 9:06 AM
TIME IN: 9:06 AM Ticket: 018734
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 236875

Description	Quantity
SPECIAL WASTE	22.94 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	22.94 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

22.93

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 62454

2. Page 1 of 1

A. Manifest Number WMNA 236876

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (910) 509-3462

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 6014	001	T		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 TK# 706

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 26 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN — Signature — Month Day Year 08 26 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 9:02 AM
TIME IN: 9:02 AM Ticket: 018733
A54-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest: 01-236876

Description	Quantity
SPECIAL WASTE	23.88 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.88 TON
Source: DUVAL Type: SPW	District: IN
CUST REIMBURSEMENT	
CUST FEE	
SUPERFUND	

Signature Jan B

23.93

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 / Manifest Document No. 2753

2. Page 1 of 1

A. Manifest Number WMNA 236877

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 526-3402

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	T	21048	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck 774 Site 99

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of | Month Day Year: 08 20 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Chester Dunn | Signature | Month Day Year: 08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name: P. Barnard | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 8:53 AM
TIME IN: 8:53 AM Ticket: 018731
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 236877

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Chester L. Dunson

20.82

20.78

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236878

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 805-3410

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6014	001	TT	23.97	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # SC-49 TH# 702

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 08 20 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year 08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year 08 20 02

GENERATOR

TRANSPORTER

FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 8:56 AM
TIME IN: 8:56 AM Ticket: 018732
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 236878

Description	Quantity
SPECIAL WASTE	24.02 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	24.02 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
HUST FEE	
SUPERFUND	

Signature

23.97

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 1247 51

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 236879

B. State Generator's ID

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 808-3104

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU-6014	1	TR	11941	R T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49 Truck# 1074

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	08 20 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	08 20 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	[illegible]

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/20/2002 8:50 AM
TIME IN: 8:50 AM Ticket: 018730
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MIKE Truck: 1074
Manifest #: 236879

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

19.12

19.09

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12222

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256511

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23.62		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Truck # 743 Site 49
Purchase Order #
EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON
Signature "On behalf of"
Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: RW Issaman
Signature: RW
Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name
Signature
Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 9:08 AM
TIME IN: 9:08 AM Ticket: 017843
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WAYNE Truck: 743
Manifest: 8172500[illegible]

Description	Quantity
SPECIAL WASTE	23.65 TON
Source: DUVAL Type: SPW District: IN	
FULL CHARGE	23.65 TON
Source: DUVAL Type: SPW District: IN	
[illegible]	
[illegible]	
[illegible]	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2223

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256512

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12 UH	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 1021 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of": [signature]

Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: August Williams

Signature: [signature]

Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name: [illegible]

Signature: [signature]

Month Day Year: 10 10 [illegible]

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 9:28 AM
TIME IN: 9:28 AM Ticket: 017847
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: AUGUSTUS Truck: 1021
Manifest #: 2565512

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	

21.5

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256513

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~ 828-3102

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	215	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 374 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature: On behalf of Thom Chess Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] Signature: [illegible] Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: T. Dainard Signature: [illegible] Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 9:55 AM
TIME IN: 9:55 AM Ticket: 017853
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLES Truck: 374
Manifest: [illegible]

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
FUEL CHARGE	22.00 TON
SPECIAL WASTE Type: SPW	District: IN
DIST MEMORANDEMENT	
DIST FEE	
SUPERFUND	

21.5

Signature

21.97

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256514

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pr. Hackett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12167	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 706 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature On behalf of: [signature] — Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN — Signature: [signature] — Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 9:33 AM
TIME IN: 9:33 AM Ticket: 017848
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 256514

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
FULL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
UST REIMBURSEMENT	
UST FEE	
SUPERFUND	

21.5

Signature

21-14

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 11 Manifest Document No. 2226

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256515

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ 2 Loads

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	21168	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature/On behalf of: [signature] | Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass | Signature: [signature] | Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 10:33 AM
TIME IN: 10:33 AM Ticket: 017861
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 256515

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

21.5

Signature Dean

21.68

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256516

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Prairie

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12.19	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name John Tame Signature Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 10:54 AM
TIME IN: 10:54 AM Ticket: 017865
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 256516

Description	Quantity
SPECIAL WASTE	22.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

21.5

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 22 28 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256517

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Rutschell 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	23,918	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 72 Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 080602

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kell Dorlan Signature Month Day Year 080602

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 11:05 AM
TIME IN: 11:05 AM Ticket: 017868
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JEFF Truck: 736
Manifest #: 256517

Description	Quantity
SPECIAL WASTE	23.98 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.98 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 / Manifest Document No. 2253

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256518

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12059	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 11:41 AM
TIME IN: 11:41 AM Ticket: 017876
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVE Truck: 383
Manifest #: 256518

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

20.59

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12234

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256519

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ R. Hall

6. US EPA ID Number

C. State Transporter's ID FLR 302

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	T	12310	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 1011 Site 49

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature: On behalf of — Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Augustus Williams — Signature — Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year: 08 06 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 12:19 PM
TIME IN: 12:19 PM Ticket: 017877
#:054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: AUGUSTUS Truck: 1021
Manifest #: 236519

Description	Quantity
SPECIAL WASTE	23.00 TON
Source: DUVAL Type: BPW	District: IN
HAUL CHARGE	23.00 TON
Source: DUVAL Type: BPW	District: IN
COST REIMBURSEMENT	
HAST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL317002247 1 Manifest Document No. 1235

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256520

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Hatch

6. US EPA ID Number

C. State Transporter's ID Box 3402

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	1241.6	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck # 706 2249

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown

Signature

Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 12:23 PM
TIME IN: 12:23 PM Ticket: 017879
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 256528

Description	Quantity
SPECIAL WASTE	24.20 TON
Source: DUVAL Type: SPW	District: IN
FULL CHARGE	24.20 TON
Source: DUVAL Type: SPW	District: IN
DIST REIMBURSEMENT	
DIST FEE	
SUPERFUND	

Signature

24.16

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 1223

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256521

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Pritchett — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 5793	001	DT	2.12	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 080602

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ollie Tyson — Signature — Month Day Year 080602

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 1:00 PM
TIME IN: 1:00 PM Ticket: 017891
854-133
ER INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: OFFIE Truck: 1025
Manifest #: 256521

Description	Quantity
SPECIAL WASTE	22.23 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.23 TON
Source: DUVAL Type: SPW	District: IN
DIST REIMBURSEMENT	
DIST FEE	
SUPERFUND	

Signature Offie L. Lyons 22.22

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1

Manifest Document No. 22 Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256522

B. State Generator's ID

5. Transporter 1 Company Name ~~RECOVER BULK~~ Pritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12495	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 08 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass | Signature | Month Day Year: 08 08 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: R. Bainard | Signature | Month Day Year: 08 11 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 1:23 PM
TIME IN: 1:23 PM Ticket: 017897
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 256522

Description	Quantity
SPECIAL WASTE	27.21 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.21 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

26-95

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 / Manifest Document No. 22 38

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256523

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER ROCK~~ Pelham

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (888) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5733	001	DT	22	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON		08 06 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
John Jones		08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/05/2002 1:33 PM
TIME IN: 1:33 PM Ticket: 017898
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 256523

Description	Quantity
SPECIAL WASTE	22.20 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.20 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

2222

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12239

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256524

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL. WM Profile # CU 5793	001	DT	21	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 06 12

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 08 06 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 2:53 PM
TIME IN: 2:53 PM Ticket: 017907
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: AUGUSTUS Truck: 1021
Manifest #: 256524

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
CIST FEE	
SUPERFUND	

Signature Cyntt Will

21.93

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

12240

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 12237

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256525

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BOLK~~ Reliant

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12463	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature ("On behalf of") Month Day Year: 080602

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Joe Brown Signature: Joe Brown Month Day Year: 080602

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 2:58 PM
TIME IN: 2:58 PM Ticket: 017908
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 256525

Description	Quantity
SPECIAL WASTE	24.54 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.54 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

20-63

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 1/2 4/1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256526

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12216	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Site 49

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature (On behalf of)

Month Day Year: 08 06 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year: 08 06 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 3:31 PM
TIME IN: 3:31 PM Ticket: 017915
054-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOFFIE Truck: 1025
Manifest #: 256326

Description	Quantity
SPECIAL WASTE	22.27 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.27 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Joffie Taylor

22.26

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 of 2
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256527

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21.15	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON
Signature "On behalf of"
Month Day Year: 08 01 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John James
Signature
Month Day Year: 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name
Signature
Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/06/2002 4:06 PM
TIME IN: 4:06 PM Ticket: 017921
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOHN Truck: 787
Manifest #: 256327

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
TIPPING FEE	22.00 TON
Source: DUVAL Type: SPW	District: IN
STATE REIMBURSEMENT	
DST FEE	
SUPERFUND	

412.21

21.18

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 122413

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256528

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12.09	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 702 EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of" Month Day Year 080702

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Signature Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 10:03 AM
TIME IN: 10:03 AM Ticket: 017953
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY J Truck: 702
Manifest #: 256528

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
FULL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

412.21

20.09

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 12244

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256529

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER TUCK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-0371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21199	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 1021 EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 080202

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Augustus Williams — Signature — Month Day Year 080202

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

GENERATOR / TRANSPORTER / FACILITY

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 10:16 AM
TIME IN: 10:16 AM Ticket: 017957
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

To replace TKet # 17956

Driver: AUGUSTUS Truck: 1021
REPLACE TIC#17956
Manifest #: 256529

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

Transported By Augustus Will... 8-

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2245

2. Page 1 of 1

A. Manifest Number WMNA 256530

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8374

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	12512.5	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year: 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOE BROWN | Signature | Month Day Year: 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 10:18 AM
TIME IN: 10:18 AM Ticket: 017958
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JOE Truck: 706
Manifest #: 256530

Description	Quantity
SPECIAL WASTE	25.17 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	25.17 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
TIRE FEE	
SUPERFUND	

Signature

~~21.99~~
25.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 2 4 7 6

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256531

B. State Generator's ID

5. Transporter 1 Company Name ~~BEAVER BULK~~ Fritchett

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	2343	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Truck = 712

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON Signature "On behalf of": [signature] Month Day Year: 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Jackson Signature: Eddie JACKSON Month Day Year: 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: [signature] Signature: [signature] Month Day Year: 08 16 02

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 10:42 AM
TIME IN: 10:42 AM Ticket: 017967
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 256531

Description	Quantity
SPECIAL WASTE	23.83 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.83 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

21.79

Signature Eddie Jackson

25.28 3

23.83

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517022471 Manifest Document No. 12247

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA256532

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	25.39	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 715

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
MITCHELL B. McPHERSON	[signature]	080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
GARY JACKSON	[signature]	080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WM

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 10:55 AM
TIME IN: 10:55 AM Ticket: 017971
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GRADY Truck: 715
Manifest #: 256532

Description	Quantity
SPECIAL WASTE	25.36 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.36 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
MOST FEE	
SUPERFUND	

Signature GRADY JACKSON

25.39

25.39

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12248

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256533

B. State Generator's ID

5. Transporter 1 Company Name
~~BEAVER BULK~~

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) ~~232-8371~~

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # DJ 5793	001	DT	24.96	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature On behalf of | Month Day Year: 080702

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT Ellis | Signature | Month Day Year: 080702

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year: 08 07 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 11:17 AM
TIME IN: 11:17 AM Ticket: 017974
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 256533

Description	Quantity
SPECIAL WASTE	22.86 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.86 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	

Signature Matt Ell-

2322.96

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 12249

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256534

B. State Generator's ID

5. Transporter 1 Company Name BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID MA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	21.59	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 08 01 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass | Signature | Month Day Year 08 01 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 11:37 AM
TIME IN: 11:37 AM Ticket: 017977
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 256334

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAULA CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
COST FEE	
SUPERFUND	

Signature Dean

~~21.99~~
25.25

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256535

B. State Generator's ID

5. Transporter 1 Company Name BEGVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	001	DT	1239	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JON STARLING — Signature — Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: P. Barnard — Signature — Month Day Year 08 07 02

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:14 PM
TIME IN: 12:14 PM Ticket: 017982
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: JON Truck: 420
Manifest #: 256535

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

20.39

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 257

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 256536

B. State Generator's ID

5. Transporter 1 Company Name
BEAVER BULK

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (800) 232-8371

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 5793	0 0 1	D T	2 0 1 2	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # 324

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 08 07 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Sheila Russell — Signature: Sheila Russell — Month Day Year 08 07 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WM

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

Date: 08/07/2002 12:18 PM
TIME IN: 12:18 PM Ticket: 817983
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SHEILA Truck: 334
Manifest #: 256536

Description	Quantity
SPECIAL WASTE	22.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

20.12

Signature S Russell

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 0 0 2 4 7 1 / Manifest Document No. 2 7 5 0

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258239

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 0 1	T T		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 1 6 1 9 1 3

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G
Date: 12/09/2003 10:07 AM
TIME IN: 10:07 AM Ticket: 034464
854-133
69 INDUSTRIAL SERVICES
5800 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 258239

Description	Quantity
SPECIAL WASTE	26.62 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.62 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL512802471 Manifest Document No. 13433

2. Page 1 of 1

A. Manifest Number WMNA 258234

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 33
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number 024-0006D

G. State Facility's ID NR

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	14.93	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GANT (904)501-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name	Signature "On behalf of"	Month Day Ye
MITCHELL B. McPHERSON		12 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Ye
Russell Lord		12 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Ye

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26

Date: 12/09/2003 10:12 AM
TIME IN: 10:12 AM Ticket: 034485
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
Manifest #: 258234

Description	Quantity
SPECIAL WASTE	25.16 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.16 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature RRussell # 1080

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170924731 Manifest Document No. KC

2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 36, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258230

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 120
FOLKSTON, GA 32537

10. US EPA ID Number 024-0005D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	2299	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: [illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 1 2 1 9 [illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven Sabel 342" | Signature | Month Day Year 1 2 1 9 [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 10:15 AM
TIME IN: 10:15 AM Ticket: 034486
854-133
EQ-INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVEN Truck: 342
Manifest #: 258230

Description	Quantity
SPECIAL WASTE	21.22 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.22 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FLS170022471 Manifest Document No. 1/4/1

2. Page 1 of 1

A. Manifest Number WMNA 258232

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 330
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TN	12	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE BROWN (904)563-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month 12 Day 04 Year 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/09/2003 10:18 AM
TIME IN: 10:18 AM Ticket: 034487
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GEORGE Truck: 358
Manifest #: 258232

Description	Quantity
SPECIAL WASTE	22.58 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.58 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Darryl Oubey

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002824711 Manifest Document No. 13429

2. Page 1 of 1

#067

A. Manifest Number WMNA 258231

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	1516	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Y: 12 09 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 10:20 AM
TIME IN: 10:20 AM Ticket: 034488
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 258231

Description	Quantity
SPECIAL WASTE	27.60 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.60 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No. 13432

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258233

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00060

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	1457	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1/2 09 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY SEAY 334 — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 10:23 AM
TIME IN: 10:23 AM Ticket: 034489
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 334
Manifest #: 258233

Description	Quantity
SPECIAL WASTE	22.97 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.97 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Ray Seay

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 — Manifest Document No. 124
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258238

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( ) -

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number: 024-00060

G. State Facility's ID: MR

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 6813	001	TT	23.47	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT [illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Ye: 1/21/96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Ye

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 10:26 AM
TIME IN: 10:26 AM Ticket: 034490
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 258238

Description	Quantity
SPECIAL WASTE	24.22 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.22 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 13735

2. Page 1 of 1

A. Manifest Number WMNA 258237

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( ) -

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number: 024-00066

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	30 YDS	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 1 29 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 10:46 AM
TIME IN: 10:46 AM Ticket: 034494
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CARVESTER Truck: 719
Manifest #: 258237

Description	Quantity
SPECIAL WASTE	31.60 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	31.60 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 7 8 0 2 2 4 7 1 — Manifest Document No. 13436

2. Page 1 of 1

A. Manifest Number WMNA 258236

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 36, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( ) -

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	16.22		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1872

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month 12 Day 04 Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass — Signature — Month 12 Day 04 Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/03/2003 10:56 AM
TIME IN: 10:56 AM Ticket: 034498
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 258236

Description	Quantity
SPECIAL WASTE	28.85 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	28.85 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 1 of 1 38

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258235

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( ) -

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 12A
FOLKSTON, GA 37537

10. US EPA ID Number 024-0005D

G. State Facility's ID NR

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	26.58	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Ye 12 09 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MATT ELLIS

Signature

Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Ye

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 1:20 PM
TIME IN: 1:20 PM Ticket: 034521
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 258235

Description	Quantity
SPECIAL WASTE	27.62 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.62 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt Ellis

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 Manifest Document No. 2 Page 1 of 1

A. Manifest Number **WMNA** 258069

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number GAD 0 9 8 6 0 8 9 6 0

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	17.48	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRAHAM (404) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature: On behalf of | Month 12 Day 09 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: R. Russell "1080" | Signature | Month 12 Day 09 Year 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month 12 Day 09 Year 90

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 1:23 PM
TIME IN: 1:23 PM Ticket: 034522
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
Manifest #: 258069

Description	Quantity
SPECIAL WASTE	23.42 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.42 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Russell # 1080

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 4 4 9 1 7 0 0 2 8 4 3 — Manifest Document No. 124140

2. Page 1 of 1 — 769

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258070

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 7 0 0 0 0 2

G. State Facility's ID NA

H. Facility's Phone 912-496-7910

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	2140	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
(70-005 [illegible])

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)166-1072

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1 7 1 6 9 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name 769 — Signature — Month Day Year 1 7 1 6 9 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 1 2 0 9 0

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 1:27 PM
TIME IN: 1:27 PM Ticket: 034523
B54-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 259070

Description	Quantity
SPECIAL WASTE	22.41 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.41 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 1 5 7 4

2. Page 1 of 1

A. Manifest Number WMNA 258071

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NO

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	21615	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day 12 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: George Pudine 358

Signature

Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/09/2003 1:29 PM
TIME IN: 1:29 PM Ticket: 034524
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GEORGE Truck: 358
Manifest #: 258071

Description	Quantity
SPECIAL WASTE	22.47 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.47 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258073

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0005D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comme
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	10.37	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2002 1:32 PM
TIME IN: 1:32 PM Ticket: 034525
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 258073

Description	Quantity
SPECIAL WASTE	19.12 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	19.12 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5178924723 Manifest Document No. 2
2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258072

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING
6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number: 024-0006D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL. WM Profile # CU 6813	001	TT	19.23	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Ye: 12 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven A. Sobel

Signature

Month Day Ye: 12 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Ye

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 1:35 PM
TIME IN: 1:35 PM Ticket: 034526
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVEN Truck: 342
Manifest #: 258072

Description	Quantity
SPECIAL WASTE	19.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	19.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Steven Salud

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|4|2|1 Manifest Document No. 1 2 3 7

2. Page 1 of 1

A. Manifest Number WMNA 258074

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|5|D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comme
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	19	CY	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or an applicable state law, have been fully and accurately described, classified and packaged, and are in proper conditio for transportation according to applicable regulations.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day 1 2 0 4

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY SCAP 334

Signature

Month Day 1 2 0 4

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 1:38 PM
TIME IN: 1:38 PM Ticket: 034527
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RAY Truck: 334
Manifest #: 258074

Description	Quantity
SPECIAL WASTE	20.37 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	20.37 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Ray Seay

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 1 3 4 7 4

2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258075

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comm
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	37.92	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRAY (484)601-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or an applicable state law, have been fully and accurately described, classified and packaged, and are in proper conditio for transportation according to applicable regulations.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day 1/12/01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described was was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day

USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26

Date: 12/09/2003 1:42 PM
TIME IN: 1:42 PM Ticket: 034528
054-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CARVESTER Truck: 719
Manifest #: 258075

Description	Quantity
SPECIAL WASTE	28.05 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	28.05 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL9170022471 Manifest Document No. 27695

2. Page 1 of 1

A. Manifest Number WMNA 258076

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID
NR

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	12 YD	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Glass

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/09/2003 1:45 PM
TIME IN: 1:45 PM Ticket: 034529
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 258076

Description	Quantity
SPECIAL WASTE	31.51 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	31.51 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 5716

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258077

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE SAMMT (484)681-1073

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 12 09 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 2:46 PM
TIME IN: 2:46 PM Ticket: 034536
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY Truck: 702
Manifest #: 258077

Description	Quantity
SPECIAL WASTE	26.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 — Manifest Document No.

2. Page 1 of 1

A. Manifest Number WMNA 258078

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 20, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

C. State Transporter's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-00050

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	12-15	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904) 542-1573

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddie Thomas — Signature — Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

H2G

Date: 12/09/2003 2:51 PM
TIME IN: 2:51 PM Ticket: 034537
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 258078

Description	Quantity
SPECIAL WASTE	24.58 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.58 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 3 1 7 0 0 9 2 4 7 1 — Manifest Document No. 7 7 8

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542 5979

A. Manifest Number **WMNA 258079**

B. State Generator's ID

5. Transporter 1 Company Name: PROCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (803) 592 7[illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # CU 6013	0 0 1	T T	26.52	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE BAST (484/661-1572)

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1 2 0 1 9 4

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year 1 2 0 1 6

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G
Date: 12/09/2003 2:55 PM
TIME IN: 2:55 PM Ticket: 034538
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHESTER Truck: 774
Manifest #: 058079

Description	Quantity
SPECIAL WASTE	26.44 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.44 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. 5479

2. Page 1 of

A. Manifest Number **WMNA** 258030

3. Generator's Name and Mailing Address [illegible]
BOX 28, [illegible]
JACKSONVILLE, FL [illegible]

B. State Generator's ID

4. Generator's Phone [illegible]

5. Transporter 1 Company Name
BRIGHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone [illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
18.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number
GAD 984100060

G. State Facility's ID
[illegible]

H. Facility's Phone
912-496-7918

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	CY	124	[illegible]	[illegible]
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT [illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Ye [illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

FOR FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 3:47 PM
TIME IN: 3:47 PM Ticket: 034541
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
Manifest #: 258080

Description	Quantity
SPECIAL WASTE	24.59 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.59 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Rbsell #1080

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|S|1|7|0|8|2|4|7|1 — Manifest Document No. 12/15

2. Page 1 of 1 — #1 of 1

A. Manifest Number **WMNA 258081**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
MITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	CT	25.410	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/09/2003 3:53 PM
TIME IN: 3:53 PM Ticket: 034542
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 769
Manifest #: 258081

Description	Quantity
SPECIAL WASTE	26.27 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.27 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5 3 7 0 6 2 3 4 7 1 — Manifest Document No. 5451

2. Page 1 of

A. Manifest Number **WMNA** 258082

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 39, CODE 537
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 31537

10. US EPA ID Number: 0 2 4 - 0 0 0 5 0

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 0 1	T T	24.59	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1973

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" WM

Month Day Y: 1 2 0 9 1

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/09/2003 4:07 PM
TIME IN: 4:07 PM Ticket: 034543
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 258082

Description	Quantity
SPECIAL WASTE	26.83 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.83 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number WMNA 258083

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

5. Transporter 1 Company Name — 6. US EPA ID Number

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 108
FOLKSTON, GA 31537

G. State Facility's ID

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	CT	14	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: [illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL R. McPHERSON — Signature "On behalf of" — Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Tommy Moore — Signature — Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Y

FOR FACILITY USE ONLY

CWM - NHM - 1 5/97

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K26
Date: 12/10/2003 7:26 AM
TIME IN: 9:28 AM Ticket: 034555
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TOMMY Truck: 722
Manifest #: 258083

Description	Quantity
SPECIAL WASTE	24.11 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.11 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature J. Mar

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 2 0 0 2 7 1 2 1 — Manifest Document No. 1 4 4 1

2. Page 1 of

A. Manifest Number **WMNA** 250084

B. State Generator's ID

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 20, BOOF 521
JACKSONVILLE, FL 32212

4. Generator's Phone (904) 542-5974

5. Transporter 1 Company Name
ENVIRONTT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND SOLID LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 120
FOLKSTON, GA 31537

10. US EPA ID Number
G A 4 1 0 8 5 6 0

G. State Facility's ID
N/A

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 1 0	C T	1 2 1 5	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/10/2003 9:34 AM
TIME IN: 9:34 AM Ticket: 034550
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TIMMY Truck: 702
Manifest #: 250084

Description	Quantity
SPECIAL WASTE	27.13 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.13 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L S 2 2 0 8 8 0 4 7 1 — Manifest Document No. 5 1 1 9 6

2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 258087**

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 800 [illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESTER ENERGY AND LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 120
FOLKSTON, GA 31537

10. US EPA ID Number
G A 4 - 8 9 0 6 0

G. State Facility's ID

H. Facility's Phone 912-496-7919

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 0 1	T D	2 0 . 1 7	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G
Date: 12/10/2003 9:44 AM
TIME IN: 9:44 AM Ticket: 034558
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 785
Manifest #: 258087

Description	Quantity
SPECIAL WASTE	27.32 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.32 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Matt

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. — Manifest Document No.

2. Page 1 of

A. Manifest Number **WMNA** 258086

3. Generator's Name and Mailing Address

4. Generator's Phone

B. State Generator's ID

5. Transporter 1 Company Name — MITCHELL TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 12.1 MILES SW OF FOLKSTON, P. O. BOX 128, FOLKSTON, GA 31537

10. US EPA ID Number — GAD 000 825 8

G. State Facility's ID

H. Facility's Phone — 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL — WM Profile # 00 6013	1	DT	24.77	T	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month 12 Day 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/10/2003 9:46 AM
TIME IN: 9:46 AM Ticket: 034559
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: EDDIE Truck: 712
Manifest #: 259086

Description	Quantity
SPECIAL WASTE	26.93 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.93 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Eddie Jackson

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

A. Manifest Number **WMNA** 258088

3. Generator's Name and Mailing Address
[illegible]
MOX 30, [illegible]
[illegible] FL 32216

4. Generator's Phone 904 [illegible]

B. State Generator's ID

5. Transporter 1 Company Name
BRIGHTY TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
[illegible] LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 129
FOLKSTON, GA 37537

10. US EPA ID Number
GEA 000650

G. State Facility's ID

H. Facility's Phone 912-496-7915

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOLI WM Profile # CU 6813	001	T		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name MITCHELL T. McPHERSON | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

FOR FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/10/2003 9:57 AM
TIME IN: 9:57 AM Ticket: 034560
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: THOM Truck: 759
Manifest #: 258888

Description	Quantity
SPECIAL WASTE	23.58 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.58 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | | | | | | | | | | | | | | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 258089**

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 904 546-7

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 120
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	CY	21.28	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
270-005 Short Range)
Purchase Order #

EMERGENCY CONTACT: STEVE [illegible] (904) 261-1875

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL D. McPHERSON

Signature "On behalf of"

Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26

Date: 12/10/2003 10:14 AM
TIME IN: 10:14 AM Ticket: 034562
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TONY Truck: 357
Manifest #: 258089

Description	Quantity
SPECIAL WASTE	22.31 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.31 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

A. Manifest Number **WMNA 258091**

3. Generator's Name and Mailing Address
[illegible]
BOX 28, [illegible]
[illegible]

B. State Generator's ID

4. Generator's Phone 904 [illegible]

5. Transporter 1 Company Name
DETCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 129
FOLKSTON, GA 31537

10. US EPA ID Number
GAD 980 [illegible]

G. State Facility's ID
NC

H. Facility's Phone
912-496-7916

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: [illegible]

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

FOR FACILITY USE ONLY

CWM - NHM - 1- 5/97

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G
Date: 12/10/2003 10:41 AM
TIME IN: 10:41 AM Ticket: 034569
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMUEL Truck: 716
Manifest #: 258091

Description	Quantity
SPECIAL WASTE	23.72 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.72 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Samuel Jackson

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 8 0 0 2 4 7 1 — Manifest Document No. 1 1 6

2. Page 1 of 1

A. Manifest Number WMNA 258092

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NG

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # GL 6013	001	TT	[illegible]	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT 1484/661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1 2 1 0 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/10/2003 11:10 AM
TIME IN: 11:10 AM Ticket: 034572
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ~~WILLIAM~~ WALLACE Truck: 745
Manifest #: 258092

Description	Quantity
SPECIAL WASTE	21.04 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.04 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Wallace Baker Jr

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 2 0 0 2 2 4 2 1 — Manifest Document No. 1-37102

2. Page 1 of 1

A. Manifest Number **WMNA 258093**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
DETCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 800 456 7[illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	22.38	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (409)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Ye

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

CWM - NHM - 1- 5/97

5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26
Date: 12/10/2003 11:14 AM
TIME IN: 11:14 AM Ticket: 034573
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: WALLACE Truck: 359
Manifest #: 258093

Description	Quantity
SPECIAL WASTE	23.38 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.38 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Walter T. Bob

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 2 0 0 2 2 4 7 1 — Manifest Document No. 13 16 3 — 2. Page 1 of 1

A. Manifest Number **WMNA 258094**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 120
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comme
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	00	TT	2138	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE CROFT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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 conditior for transportation according to applicable regulations.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month 12 Day 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Dean Gloss — Signature — Month 12 Day 16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wast was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

CWM - NHM - 1 - 5/97

FOR FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/10/2003 11:36 AM
TIME IN: 11:36 AM Ticket: 034574
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DEAN Truck: 768
Manifest #: 258094

Description	Quantity
SPECIAL WASTE	24.00 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.00 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Dean

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|4|7|1 Manifest Document No. 1/2/1/0/5

2. Page 1 of 1

A. Manifest Number **WMNA 258095**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	22.52	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 1/2/1/0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RRussell #1080

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

FOR FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/11/2003 8:53 AM
TIME IN: 8:53 AM Ticket: 034610
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 360
Manifest #: 258095

Description	Quantity
SPECIAL WASTE	21.92 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.92 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Russell # ~~[illegible]~~ II 360

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 4 2 1 — Manifest Document No. — 2. Page 1 of 1

A. Manifest Number **WMNA 258096**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 0

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 6813	001	TT	17.15	T	
b. WM Profile #					
d. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/11/2003 9:21 AM
TIME IN: 9:21 AM Ticket: 034612
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TONY Truck: 357
Manifest #: 258096

Description	Quantity
SPECIAL WASTE	21.47 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.47 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 5 1 5 1 7 0 0 2 9 4 2 1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 258097**

B. State Generator's ID

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU6813	001	CT	1.0	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)542-5979

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 10:27 AM
TIME IN: 10:27 AM Ticket: 034616
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HUBERT Truck: 792
Manifest #: 258097

Description	Quantity
SPECIAL WASTE	25.03 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.03 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517092471 Manifest Document No. 1/34 50

2. Page 1 of 1

A. Manifest Number WMNA 258090

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (904) 356-7

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)(6)-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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 conditior for transportation according to applicable regulations.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month 1 2 Day 1 1

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month 1 2 Day 2 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wast was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26 10:41 AM
Date: 12/10/2003
TIME IN: 10:41 TIME OUT: 10:41 Ticket: 034618
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
REPLAC 34563 TO CORR HAUL
Manifest #: 258090

Description	Quantity
SPECIAL WASTE	23.75 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.75 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

New # 34618 to correct haul

k2G
Date: 12/10/2003 10:17 AM
TIME IN: 10:17 AM Ticket: ~~024563~~
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
Manifest #: 258090

Description	Quantity
SPECIAL WASTE	23.75 TON
Source: DUVAL Type: SPW	District: ~~IN~~ 23.75
HAUL CHARGE	~~23.76~~ TON 23.75
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Russell # 1080

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 2 0 0 2 2 4 2 1 — Manifest Document No. 12769

2. Page 1 of 1

A. Manifest Number **WMNA 258099**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 36, CODE 321
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5079

5. Transporter 1 Company Name
PRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 6 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	2031	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)561-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Roy Brandon — Signature — Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26
Date: 12/11/2003 11:13 AM
TIME IN: 11:13 AM Ticket: 034626
654-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ROY Truck: 1081
Manifest #: 258099

Description	Quantity
SPECIAL WASTE	22.99 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.99 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517092471 Manifest Document No.
2. Page 1 of 1
A. Manifest Number WMNA 258100

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 321
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name PRICHETT TRUCKING
6. US EPA ID Number

C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537
10. US EPA ID Number 924-00866D

G. State Facility's ID NA
H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	02.03	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Purchase Order #
EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON
Signature "On behalf of"
Month Day Year 12 11 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name
Signature
Month Day Year

FOR FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

11:19 AM
Ticket: 034627

k26
Date: 12/11/2003
TIME IN: 11:19 AM
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Truck: 1054

Driver: SAMMY
Manifest #: 258190

Description	Quantity
SPECIAL WASTE	25.00 TON
Source: DUVAL Type: SPW District: IN	
HAUL CHARGE	25.00 TON
Source: DUVAL Type: SPW District: IN	
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Sammy Hale

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L S 1 2 0 8 2 4 2 1 — Manifest Document No. 1 5 7 7 1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number **WMNA 258101**

B. State Generator's ID

5. Transporter 1 Company Name: BRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 5 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commen
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OU 6813	001	TK	25	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1673

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Ye

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certifidateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Ye

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 11:22 AM
TIME IN: 11:22 AM Ticket: 034628
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 360
Manifest #: 258101

Description	Quantity
SPECIAL WASTE	25.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Russell ~~#40~~ #360

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|2|0|0|2|2|4|7|1 Manifest Document No. 1377

2. Page 1 of 1

A. Manifest Number **WMNA 258102**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TH	12	T	
b. WM Profile #					
c. WM Profile #					
WM Profile #					

Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Y

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Y

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Y

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/11/2003 11:45 AM
TIME IN: 11:45 AM Ticket: 034630
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: KEITH Truck: 1076
Manifest #: 258102

Description	Quantity
SPECIAL WASTE	23.54 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.54 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature K.W.L

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|4|7|0|0|2|2|4|7|1 — Manifest Document No. 12 13

2. Page 1 of 1

A. Manifest Number **WMNA 258103**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 36, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5973

5. Transporter 1 Company Name
BRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number
0|2|4|-|0|0|0|6|D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # ML6013	0 0 1	T T		T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE BRART (484)561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 12:02 PM
TIME IN: 12:02 PM Ticket: 034632
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVEN Truck: 342
Manifest #: 258103

Description	Quantity
SPECIAL WASTE	25.01 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.01 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 9 0 2 2 4 7 1 — Manifest Document No. 1778

2. Page 1 of 1

A. Manifest Number **WMNA 258098**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	21.56	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Ye

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Ye

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Ye

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Y

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 12:05 PM
TIME IN: 12:05 PM Ticket: 034633
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CARISSA Truck: 384
Manifest #: 258098

Description	Quantity
SPECIAL WASTE	21.84 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	21.84 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL 5 1 2 0 0 2 2 4 7 1 — Manifest Document No. 134774

2. Page 1 of 1

A. Manifest Number WMNA 258104

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5973

5. Transporter 1 Company Name
BRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 6013	0 0 1	CY	1 2 1 0		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE BRANT (904) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month 1 1 Day 1 4

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G

Date: 12/11/2003 12:07 PM
TIME IN: 12:07 PM Ticket: 034634
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: TONY Truck: 357
Manifest #: 258104

Description	Quantity
SPECIAL WASTE	24.34 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.34 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Tony Self

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Tr# 792

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 5 5 7 0 0 2 2 4 7 1 — Manifest Document No. 1 7 7 5

2. Page 1 of

A. Manifest Number WMNA 258105

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 0 1	T T	[illegible]	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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 conditior for transportation according to applicable regulations.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described wast was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day

FOR FACILITY USE ONLY

CWM - NHM - 1- 5/97

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 1:04 PM
TIME IN: 1:04 PM Ticket: 034644
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HUBERT Truck: 792
Manifest #: 258105

Description	Quantity
SPECIAL WASTE	27.17 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	27.17 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5172022471 Manifest Document No. 13476

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258106

B. State Generator's ID

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # OL 6013	001	TT	1-1X	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: STEVE SHORT (904) 561-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of" [signature] Month Day Year 11 6 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Roy Brandon

Signature [signature] Month Day Year 11 6 10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature Month Day Year

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26

Date: 12/11/2003 1:47 PM
TIME IN: 1:47 PM Ticket: 034650
854-133
EQ INDUSTRIAL SERVICES
5800 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ROY Truck: 1081
Manifest #: 258106

Description	Quantity
SPECIAL WASTE	25.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F|L|5|1|7|0|0|2|2|4|7|1 Manifest Document No.

2. Page 1 of 1

A. Manifest Number **WMNA 258107**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 35, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0|2|4|-|0|0|0|6|D

G. State Facility's ID
NA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	2 YDS	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 12 11 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 1:59 PM
TIME IN: 1:59 PM Ticket: 034655
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RICHARD Truck: 718
Manifest #: 258107

Description	Quantity
SPECIAL WASTE	24.73 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.73 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature _____

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 Manifest Document No. 12678

2. Page 1 of 3

A. Manifest Number WMNA 258108

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 531
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 129
FOLKSTON, GA 37537

10. US EPA ID Number 024-0005D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comment
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	YT	25.45	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404/661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 12 11 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 12 11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G 2:18 PM
Date: 12/11/2003 Ticket: 034661
TIME IN: 2:18 PM
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: DON Truck: 435
Manifest #: 258108

Description	Quantity
SPECIAL WASTE	25.51 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.51 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170822471 Manifest Document No. 1

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258109

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TT	15.7	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year: 12 11 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k26 2:49 PM
Date: 12/11/2003 Ticket: 034665
TIME IN: 2:49 PM
854-133
ED INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: KEITH Truck: 1076
Manifest #: 258109

Description	Quantity
SPECIAL WASTE	26.20 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	26.20 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature K.W.L

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5170022471 Manifest Document No. 0

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258110

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (904) 466-700

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	15	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRAHAM (484) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Sonny Hair

Signature: Sonny Hair

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 3:12 PM
TIME IN: 3:12 PM Ticket: 034666
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: SAMMY Truck: 1054
Manifest #: 258110

Description	Quantity
SPECIAL WASTE	28.65 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	28.65 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Sammy Kane

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL5172062471 Manifest Document No. 1/27/X4

2. Page 1 of

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258114

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-000 6D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	TR	2946	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (904)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

K2G

Date: 12/11/2003 3:33 PM
TIME IN: 3:33 PM Ticket: 034668
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: MATT Truck: 1079
Manifest #: 258114

Description	Quantity
SPECIAL WASTE	22.46 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	22.46 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature M Moore

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Trk # 792

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517602242711 Manifest Document No. 12/7

2. Page 1 of 1

A. Manifest Number **WMNA 258115**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 38, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
DRIGNETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 800 710 15

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	001	CT	22.09	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
C10-005 (Apt Home)
Purchase Order #

EMERGENCY CONTACT: STEVE [illegible] (484) 661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month 12 Day 1 Y 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Hubert J Opik

Signature

Month 12 Day 1 Y 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Y

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT
CHESSER ISLAND ROAD LANDFILL, INC.
P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/11/2003 3:36 PM
TIME IN: 3:36 PM Ticket: 034669
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: HUBERT Truck: 792
Manifest #: 258115

Description	Quantity
SPECIAL WASTE	23.03 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.03 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 6 0 3 4 7 1 — Manifest Document No. 1 2 7 1

2. Page 1 of 1

A. Manifest Number WMNA 258111

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
ORTCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID
MA

H. Facility's Phone
912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CL 6013	0 0 1	T T	23187	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: ~~STEVE GRANT~~ (484)651-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1 2 1 1 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

#6 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G

Date: 12/11/2003 4:18 PM
TIME IN: 4:19 PM Ticket: 034674
054-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: RUSSELL Truck: 1080
Manifest #: 258111

Description	Quantity
SPECIAL WASTE	24.45 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.45 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature RRussell #1080

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. C L 5 1 7 0 9 2 2 4 1 1 — Manifest Document No. 1 2 1 2 — 2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

A. Manifest Number **WMNA 258112**

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name: PRICHETT TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 8 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7910

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	0 0 1	T T	43.49	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: STEVE GRANT (484)661-1073

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Year 1/2 1 2 9 5

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven Sabel — Signature — Month Day Year 1/2 1 2 9 5

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/12/2003 11:04 AM
TIME IN: 11:04 AM Ticket: 034693
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: STEVEN Truck: 342
Manifest #: 258112

Description	Quantity
SPECIAL WASTE	24.55 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.55 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Steven Salal

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F L 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 13486

2. Page 1 of 1

A. Manifest Number **WMNA 258116**

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone 904 542-5979

5. Transporter 1 Company Name
PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone Sam 636-7[illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Commer
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # 01 6013	001	TT	1427	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
C70-005
#143796 (Sheet Range)

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON — Signature "On behalf of" — Month Day Y 1 2 1 2

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CHARLES W. JONES — Signature — Month Day Y 1 2 1 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Y

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day

CWM - NHM - 1 - 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/12/2003 11:07 AM
TIME IN: 11:07 AM Ticket: 034694
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: CHARLES Truck: 383
Manifest #: 258116

Description	Quantity
SPECIAL WASTE	24.78 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	24.78 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature Charles W Jones

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. F 1 5 1 7 0 0 2 2 4 7 1 — Manifest Document No. 1 2 7 8 3

2. Page 1 of 1

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

A. Manifest Number WMNA 258113

B. State Generator's ID

5. Transporter 1 Company Name: BRITCHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 0 2 4 - 0 0 0 6 D

G. State Facility's ID: NA

H. Facility's Phone: 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6813	0 0 1	T T	24.46	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Order # 41,799 (Next Page)

Purchase Order #

EMERGENCY CONTACT: STEVE GRANT (404)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON

Signature "On behalf of"

Month Day Year 1 2 1 2 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ROBERT BROUGHTON

Signature

Month Day Year 1 2 1 2 0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name

Signature

Month Day Year

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 12[illegible]
Folkston, GA 31[illegible]
(912) 496-7918

k2G
Date: 12/12/2003 11:10 AM
TIME IN: 11:10 AM Ticket: 034695
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: ROBERT Truck: 337
Manifest #: 258113

Description	Quantity
SPECIAL WASTE	25.22 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	25.22 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Robert Braughton

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. FL517002247 1 Manifest Document No. 15754

2. Page 1 of 1

A. Manifest Number WMNA 258085

3. Generator's Name and Mailing Address
PUBLIC WORKS CENTER
BOX 30, CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone 904 542-5979

B. State Generator's ID

5. Transporter 1 Company Name: PRICHETT TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 904 786-7300

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND ROAD LANDFILL, INC.
12.1 MILES SW OF FOLKSTON
P. O. BOX 128
FOLKSTON, GA 37537

10. US EPA ID Number 024-0006D

G. State Facility's ID NA

H. Facility's Phone 912-496-7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-HAZARDOUS, NON-REGULATED SOIL WM Profile # CU 6013	001	TT	22.36	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill_____ Solidification_____

Bio Remediation_____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Corrosive
#14,5259 (Short Barge)

Purchase Order #

EMERGENCY CONTACT: John Tregue
STEVE GRANT (484)661-1873

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not 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.

Printed/Typed Name: MITCHELL B. McPHERSON | Signature "On behalf of" | Month Day Year 12 10 03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: George Mooney 354 | Signature | Month Day Year 12 10 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certificateion of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: B. Barnard | Signature | Month Day Year 12 16 03

CWM - NHM - 1- 5/97

#5 - FACILITY USE ONLY

WASTE MANAGEMENT

CHESSER ISLAND ROAD LANDFILL, INC.

P.O. Box 128
Folkston, GA 31537
(912) 496-7918

k2G
Date: 12/10/2003 9:37 AM
TIME IN: 9:37 AM Ticket: 034557
854-133
EQ INDUSTRIAL SERVICES
5600 FULTON INDUSTRIAL BLVD
ATLANTA GA 30336

Driver: GEORGE Truck: 358
Manifest #: 258085

Description	Quantity
SPECIAL WASTE	23.13 TON
Source: DUVAL Type: SPW	District: IN
HAUL CHARGE	23.13 TON
Source: DUVAL Type: SPW	District: IN
COST REIMBURSEMENT	
HOST FEE	
SUPERFUND	

Signature George Dickens

Appendix G

Certificates of Disposal

- August 2002 Excavation
- November - December 2003 Excavation

WASTE MANAGEMENT

CERTIFICATE OF DISPOSAL

This is to document the disposition of waste material(s) removed from your facility located at:

Cecil Field Public Works Center, Jacksonville, Florida: Profile #CU5793

Charged to: **EQ Industrial Services, 5600 Fulton Blvd., Atlanta, GA 30336**

The waste material(s) consisted of

a) **Non-Haz, Non-Reg Soil** (Incidental spills/site remediation)

A. **The waste material(s) were transported by:**

1st **Company:** Pritchett Trucking **EPA ID #:** SLD984178269

The waste material(s) were disposed of at:
Facility: **Chesser Island Road Landfill (Solid Waste Handling Permit #024-006 D (SL)**
Address: **P.O. Box 128, Highway 121 @ Chesser Island Road**
Folkston, GA 31537-0128

B. **Disposal of your waste material(s) was accomplished by the following method(s):**
a) **Subtitle-D Landfill, immediately compacted and covered in accordance with all permit regulations**

C. **Date of Disposal:** 8/12/02, 8/14/02, 8/15/02, 8/19/02 (Manifest #262563 -262662)

D. **Tons Disposed:** **2,337.79 tons (total tons)**

Linda J. Hair, Office Manager

Chesser Island Road Landfill
P.O. Box 128, Hwy 121 @Chesser Island Rd
Folkston, Ga 31537
912/496-7918

WASTE MANAGEMENT

CERTIFICATE OF DISPOSAL

This is to document the disposition of waste material(s) removed from your facility located at:

Cecil Field Public Works Center, Jacksonville, Florida: Profile CU5793-------

Charged to: EQ Industrial Services, 5600 Fulton Blvd., Atlanta, GA 30336

The waste material(s) consisted of

a) **Non-Haz, Non-Reg Soil** (Incidental spills/site remediation)

A. **The waste material(s) were transported by:**

1st Company: Pritchett Trucking **EPA ID #:** SLD984178269

The waste material(s) were disposed of at:
Facility: **Chesser Island Road Landfill (Solid Waste Handling Permit #024-006 D (SL)**
Address: **P.O. Box 128, Highway 121 @ Chesser Island Road**
Folkston, GA 31537-0128

B. **Disposal of your waste material(s) was accomplished by the following method(s):**
a) **Subtitle-D Landfill, immediately compacted and covered in accordance with all permit regulations**

C. **Date of Disposal:** 8/7/04, 8/8/04, 8/12/04 (Manifest #262463 through 262552)= 2108.5 tons
8/6/04 and 8/7/04, (Manifest #256511-256536) = 597.43 tons
8/12/04 (Manifest #262557-262562) = 150.98 tons

D. **Tons Disposed (Total)** **2,856.91 tons,**

Linda J. Hair

Linda J. Hair, Office Manager

Chesser Island Road Landfill
P.O. Box 128, Hwy 121 @Chesser Island Rd
Folkston, Ga 31537

WASTE MANAGEMENT

CERTIFICATE OF DISPOSAL

This is to document the disposition of waste material(s) removed from your facility located at:

Cecil Field Public Works Center, Jacksonville, Florida: Profile CU6014

Charged to: EQ Industrial Services, 5600 Fulton Blvd., Atlanta, GA 30336

The waste material(s) consisted of

a) **Non-Haz, Non-Reg Soil** (Incidental spills/site remediation)

A. The waste material(s) were transported by:

1st Company: Pritchett Trucking **EPA ID #:** SLD984178269

The waste material(s) were disposed of at:
Facility: **Chesser Island Road Landfill (Solid Waste Handling Permit #024-006 D (SL)**
Address: **P.O. Box 128, Highway 121 @ Chesser Island Road**
Folkston, GA 31537-0128

B. Disposal of your waste material(s) was accomplished by the following method(s):
a) **Subtitle-D Landfill, immediately compacted and covered in accordance with all permit regulations**

C. Date of Disposal: 8/19/02, (Manifest #236820-236822) 66.61 tons
8/19/02, (Manifest #236830-236832) = 69.95 tons
8/20/02 and 8/26/02 (Manifest #236868-236879) =277.13 tons

D. Total Tons Disposed = 413.69

Linda J. Hair, Office Manager

Chesser Island Road Landfill
P.O. Box 128, Hwy 121 @Chesser Island Rd
Folkston, Ga 31537
912/496-7918

WASTE MANAGEMENT

CERTIFICATE OF DISPOSAL

This is to document the disposition of waste material(s) removed from your facility located at:

PUBLIC WORKS CENTER, JACKSONVILLE, FLA.

A. The waste material(s) consisted of
a) Non-haz, non-reg. soil - incidental spills, site remediation

B. The waste material(s) were transported by:

1st Company: EQ Industrial Services, Inc. EPA ID #:

The waste material(s) were disposed of at:
Facility: Chesser Island Road Landfill (Solid Handling Permit #024-006 D (SL)
Address: P.O. Box 128, Highway 121 @ Chesser Island Road
Folkston, GA 31537-0128

C. Disposal of your waste material(s) was accomplished by the following method(s):
a) Subtitle-D Landfill, immediately compacted and covered in accordance with all permit Regulations

D. Date of Disposal: December 9-12, 2003

E. Tons Disposed: 1,431.08 tons

Linda Hair

Linda Hair, Office Manager

Chesser Island Road Landfill
P.O. Box 128, Hwy 121 @Chesser Island Rd
Folkston, Ga 31537
912/496-7918

CERTIFICATE OF DISPOSAL

MI9416588, MI9416589, MI9416566

This certificate is to verify the wastes specified on Manifest # MI9416568, MI9416570, MI9416566 have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

FACILITY NAME: *(Please check one)*

☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: Tracy Eckel

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

FORM1020 (3/96)

CERTIFICATE OF DISPOSAL

This certificate is to verify that the wastes specified on the following manifest numbers have been properly disposed of in accordance with all local, state and federal regulations.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.

MI9416600, MI9418556, MI9416602, MI9418559, MI9418558, MI9418560, MI9416601, MI9416603, MI9416596, MI9416592, MI9416594, MI9416590, MI9416591, MI9418561, MI9416598, MI9416597, MI9416595, MI9416576, MI9418557, MI9416593, MI9416599, MI9416579, MI9416577, MI9416578, MI9416582, MI9416584, MI9416585, MI9416586, MI9416580, MI9416581, MI9416564, MI9416587, MI9416583, MI9416565, MI9416583, MI9416565, MI9416567

FACILITY NAME: ☒ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831) ☐ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Belleville, MI 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-592-5329

Authorized Signature: Tracy Eb

Appendix H

Hazardous Waste Manifests and Weight Ticket Log

Receipt List

EQ-The Environmental Quality Co.

21 Michigan Disposal Waste Treatment Plant

Receipt ID	Manifest/BOL / Co-Mingled	Customer	Generator	Waste Stream	Approval / Product TSDF Approval	Waste Code	Bill Unit	Quantity	Rec.Status	Fpr. Status / Outbound	Date
345631-01	MI9416600	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.18	Accepted	Accepted	12/16/2003
345632-01	MI9418556	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.45	Accepted	Accepted	12/16/2003
345634-01	MI9416602	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.51	Accepted	Accepted	12/16/2003
345657-01	MI9418559	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.61	Accepted	Accepted	12/17/2003
345658-01	MI9418558	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.82	Accepted	Accepted	12/17/2003
345665-01	MI9418560	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.08	Accepted	Accepted	12/17/2003
345671-01	MI9416601	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.46	Accepted	Accepted	12/17/2003
345672-01	MI9416603	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.92	Accepted	Accepted	12/17/2003
345712-01	MI9416596	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.38	Accepted	Accepted	12/17/2003
345725-01	MI9416592	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.52	Accepted	Accepted	12/17/2003
345726-01	MI9416594	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.51	Accepted	Accepted	12/17/2003
345727-01	MI9416590	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.47	Accepted	Accepted	12/17/2003
345736-01	MI9416591	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.75	Accepted	Accepted	12/17/2003
* 345741-01	MI9418561	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.74	Accepted	Accepted	12/17/2003
345787-01	MI9416598	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	25	Accepted	Accepted	12/18/2003
345788-01	MI9416597	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.02	Accepted	Accepted	12/18/2003
345789-01	MI9416595	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.81	Accepted	Accepted	12/18/2003
345832-01	MI9416576	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.9	Accepted	Accepted	12/18/2003
345846-01	MI9418557	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.53	Accepted	Accepted	12/18/2003
345847-01	MI9416593	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.15	Accepted	Accepted	12/18/2003
345848-01	MI9416599	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.72	Accepted	Accepted	12/18/2003
345869-01	MI9416579	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.11	Accepted	Accepted	12/19/2003
345896-01	MI9416577	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.53	Accepted	Accepted	12/19/2003
345898-01	MI9416578	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	21.58	Accepted	Accepted	12/19/2003
346087-01	MI9416582	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.37	Accepted	Accepted	12/23/2003
346096-01	MI9416584	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.43	Accepted	Accepted	12/23/2003
346097-01	MI9416585	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.79	Accepted	Accepted	12/23/2003
* 346103-01	MI9416586	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	22.92	Accepted	Accepted	12/23/2003
346104-01	MI9416580	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.99	Accepted	Accepted	12/23/2003
346133-01	MI9416581	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.68	Accepted	Accepted	12/23/2003
346157-01	MI9416564	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.59	Accepted	Accepted	12/23/2003

Receipt List

EQ-The Environmental Quality Co.

21 Michigan Disposal Waste Treatment Plant

Receipt ID	Manifest/BOL / Co-Mingled	Customer	Generator	Waste Stream	Approval / Product TSDF Approval	Waste Code	Bill Unit	Quantity	Rec.Status	Fpr. Status / Outbound	Date
346319-01	MI9416588	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	24.18	Accepted	Accepted	12/29/2003
346331-01	MI9416589	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	23.73	Accepted	Accepted	12/29/2003
346332-01	MI9416566	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	23.21	Accepted	Accepted	12/29/2003
*346407-01	MI9416568	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	21.13	Accepted	Accepted	12/30/2003
346436-01	MI9416570	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	16.32	Accepted	Accepted	12/30/2003
346438-01	MI9416569	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	122303MIB	D008	TONS	19.47	Accepted	Accepted	12/30/2003
					Total quantity for bill unit TONS:			128.04			

Receipt List

EQ-The Environmental Quality Co.

21 Michigan Disposal Waste Treatment Plant

Receipt ID	Manifest/BOL / Co-Mingled	Customer	Generator	Waste Stream	Approval / Product TSDF Approval	Waste Code	Bill Unit	Quantity	Rec.Status	Fpr. Status / Outbound	Date
* 346158-01	MI9416587	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.32	Accepted	Accepted	12/23/2003
346159-01	MI9416583	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	0	Void	Waiting	12/23/2003
346160-01	MI9416565	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	0	Void	Waiting	12/23/2003
346174-01	MI9416583	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.08	Accepted	Accepted	12/24/2003
346182-01	MI9416565	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	24.22	Accepted	Accepted	12/24/2003
346213-01	MI9416567	004506 EQIS-ATLANTA	FL6170024412	NAVAL AIR STATION CECIL FIEL	121103MIF	D008	TONS	23.99	Accepted	Accepted	12/24/2003
					Total quantity for bill unit TONS:			821.13			

Invoice ID: 20093372 Receipt ID: 346174 Manifest: MI9416583

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

#78

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended. Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 13576
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4912

A. State Manifest Document Number MI 9416583
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.08	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials (Items a-d above)
APPROVAL # [illegible] DISPOSAL ORDER NUMBER
CTO 0006 - Short Form
Phase II [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-276-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Alphonso Baker
Signature: Alphonso Baker
Date: Month 12 Day 22 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space
~~Sicles changed per John Traguo SOM Amb. Stay fuel 12/8/13~~

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHULTZ
Signature: [signature]
Date: Month 12 Day 24 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 8110 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 345847 Manifest: MI9416593

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 73502
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812
4. Generator's Phone ( )

A. State Manifest Document Number MI 9416593
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC.
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.44	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL # [illegible]
EPA [illegible]
Phone [illegible]

K. Handling Codes for Wastes Listed Above
a
b
c
d

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8628

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 16 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Kenneth M. Williams
Signature: [signature]
Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHMIDT
Signature: [signature]
Date: Month 12 Day 18 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9-94) TSDF COPY EQP 5116 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 345848 Manifest: MI9416599

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL5170024412
Manifest Document No. 73508
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416599
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	24.58	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL: [illegible]
CTO [illegible] - Storm Sewer
Project [illegible]

Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest Holmes
Date: Month 12 Day 17 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Eddie Trulock
Signature: Eddie Trulock
Date: Month 12 Day 17 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHULZ
Signature:
Date: Month 12 Day 23 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7860 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)
TSDF COPY
DEQ 8110 Rev. 7/00

Invoice ID: 20093372

Receipt ID: 345869

Manifest: MI9416579

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412

Manifest Document No. 13572

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32312

4. Generator's Phone (904 777-4812

A. State Manifest Document Number MI 9416579

B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC

6. US EPA ID Number ALR000007237

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111

10. US EPA ID Number MID000724831

G. State Facility's ID

H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. ☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	24.13	T	D008
b. ☐						
c. ☐						
d. ☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL #: [illegible]
CID: [illegible] - Blank Rinsate
Phone # [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-5629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 17 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: ROBERT SMITH
Signature: [signature]
Date: Month 12 Day 17 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHMITZ
Signature: [signature]
Date: Month [illegible] Day [illegible] Year [illegible]

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

SCP-6110 Rev. 7/03

Invoice ID: 20093372 | Receipt ID: 345896 | Manifest: MI9416577

1648 · 2

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12118 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 79570
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4912

A. State Manifest Document Number MI 9416577
B. State Generator's ID

5. Transporter 1 Company Name
JACK GRAY TRANSPORT, INC
6. US EPA ID Number INDO 9234875
C. State Transporter's ID
D. Transporter's Phone (219) 938-7020

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
40360 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.42	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL: [illegible]
[illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-[illegible]

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES | Signature | Date: Month 12 Day 17 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: JERRED A SCHOENEMANN | Signature | Date: Month 12 Day 17 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BWA SCHMIDT | Signature | Date: Month 12 Day 19 Year 03

GENERATOR — TRANSPORTER — FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

SOP #110 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 345898 Manifest: MI9416578

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

41-10

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL5170024412
Manifest Document No. 13511
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4612

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416578
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 49111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☐	001	DT	22.8	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVED [illegible]
CTO [illegible] Phone [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling 24 HOUR EMERGENCY NUMBER 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature
Date: Month 12 Day 17 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

TRANSPORTER

Printed/Typed Name: [illegible]
Signature
Date: Month 12 Day 17 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRYAN SCHMIDT
Signature
Date: Month 12 Day 19 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY ECR 6610 Rev. 7/04

Invoice ID: 20093372 Receipt ID: 346087 Manifest: MI9416582

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FL5170024412
Manifest Document No.: 13515
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4912

4. Generator's Phone ( )

A. State Manifest Document Number: MI 9416582
B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 49111
US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-592-6480

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☐	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	22.19	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above: 24 HOUR EMERGENCY NUMBER 800-275-5529
CTO 0001 - Bank Funds
Fund #14470

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMER GENCY NUMBER 800-275-5529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest Holmes
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

TRANSPORTER

Printed/Typed Name: TONIC M. STROD
Signature:
Date: Month 12 Day 22 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRYAN SCHULTZ
Signature:
Date: Month 12 Day 23 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

Invoice ID: 20093372 Receipt ID: 346096 Manifest: MI9416584

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039 TRK#1/04

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 13517
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 531
JACKSONVILLE, FL 32212
904 777-4812

A. State Manifest Document Number MI 9416584
B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.22	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL [illegible]
CTQ [illegible]
Profile # [illegible]

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8628

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: FRANKIE SOUTH
Signature: Frank South
Date: Month 12 Day 22 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHMIZ
Signature: [signature]
Date: Month 12 Day 23

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY SOM 3110 Rev. 7/00

Invoice ID: 20093372 Receipt ID: 346097 Manifest: MI9416585

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

TR. 110

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12118 MCL

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 19518
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32312
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9416585
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.58	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL # 121 [illegible]
STD [illegible] - Sheet Rock
Project # [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNIEST L. HOLMES
Signature
Date: Month 12 Day 22 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Joe Ham
Signature
Date: Month 12 Day 22 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible]
Signature
Date: Month Day Year

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

Invoice ID: 20093372 Receipt ID: 346104 Manifest: MI9416580

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator [illegible] FL6170024412
Manifest Document No. 13513
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416580
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 49111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5490

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.8	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
24 HOURS
CTO [illegible], State Route [illegible]
Project # [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8029

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: RAY BIRN
Signature: Ray Birn
Date: Month 12 Day 22 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHMITZ
Signature: [signature]
Date: Month 12 Day 24 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY MDR 3110 Rev. 7/93

Invoice ID: 20093372 Receipt ID: 346133 Manifest: MI9416581

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 13571
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9416581
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.75	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL: 121 [illegible]
CTS [illegible]
Project #[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest L. Holmes
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Christopher Moser
Signature: Christopher Moser
Date: Month 12 Day 22 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible] SCHMIDT
Signature:
Date: Month 12 Day 24 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/86) TSDF COPY EQP 8116 Rev. 2/04

Invoice ID: 20093372 Receipt ID: 346157 Manifest: MI9416564

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID: FL8170024412 | Manifest Document No. 13523 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

4. Generator's Phone ( )

A. State Manifest Document Number: MI 9416564

B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC | 6. US EPA ID Number: ALR000007237

C. State Transporter's ID:

D. Transporter's Phone:

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
40360 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number: MID000724831

G. State Facility's ID:

H. Facility's Phone: 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.34	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above: AFFIDAVIT [illegible] CTO [illegible] Project # [illegible]

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions: 24 HOUR EMERGENCY NUMBER: 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES | Signature | Date: Month 12 Day 22 Year 2013

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: Joe Mas | Signature | Date: Month 12 Day 22 Year 2013

18 Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRYAN SCHMITZ | Signature | Date: Month 12 24 13

GENERATOR

TRANSPORTER

FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 3110 Rev. 7/09

Invoice ID: 20093372 Receipt ID: 346213 Manifest: MI9416567

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 13528
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9416567
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name KENNEDY TRUCKING 092
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.68	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL #
CTD EPCL Email Sent
Phone Notified

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest L. Holmes
Date: Month 12 Day 23 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: X
Signature: KENNEDY TRUCKING TRUCK 092/1917 ROBERT L. WILLIAMS
Date: Month 12 Day 23 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRIAN SCHNEIDER
Signature
Date: Month 12 Day 24 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

EQP 8110 Rev. 7/02

Invoice ID: 20093372 Receipt ID: 345787 Manifest: MI9416598

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12118 MCL.

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator: FL8170024412
Manifest Document No. 13507
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4612

A. State Manifest Document Number: MI 9416598
B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number: MID000724831
G. State Facility's ID
H. Facility's Phone: 800-662-8480

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	24.7	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: APPROVED DISPOSAL CTO 0004 Work Order Project Number
K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMERGENCY NUMBER 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature
Date: Month 12 Day 17 Year 10

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: CHRIS TANNER
Signature
Date: Month 12 Day 17 Year 10

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHUMER
Signature
Date: Month 12 Day 18

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY

Invoice ID: 20093372 Receipt ID: 345788 Manifest: MI9416597

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.
32
Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: FL6170024412
Manifest Document No.: 13506
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone ( ) 904 777-4812

A. State Manifest Document Number: MI 9416597
B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-662-9480

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	24.39	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above: APPROVAL: 12-03-03 CTG-[illegible] Steve Rosen Phone: [illegible]
K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMERGENCY NUMBER: 800-275-0529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 16 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: RAY BIRN
Signature: [signature]
Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SQUIER
Signature: [signature]
Date: Month 12 Day 18 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY

Invoice ID: 20093372 Receipt ID: 345789 Manifest: MI9416595

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.
30
Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 73504
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone ( ) 904 777-4812

A. State Manifest Document Number MI 9416595
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.34	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
CTO 0003, Bryan Slusser
Phone 904-779-7[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-276-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 1 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Christopher Moser
Signature: [signature]
Date: Month 12 Day 1 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: BRYAN SLUSSER
Signature: [signature]
Date: Month 12 Day 1 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY DEQ 5110 Rev. 7/00

Invoice ID: 20093372 Receipt ID: 345832 Manifest: MI9416576

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

#11

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 13509
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4912

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416576
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number US ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5480

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	22.89	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
ATTENTION: [illegible]
[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-5520

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month Day Year 12 17 93

17. Transporter 1 Acknowledgment of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Alphonso Baker
Signature: [signature]
Date: Month Day Year 12 17 93

18 Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BINA SCHUTZ
Signature: [signature]
Date: Month Day Year 12 18 93

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 3110 Rev. 7/93

Invoice ID: 20093372 Receipt ID: 345846 Manifest: MI9418557

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 1 Part 121 of Act 451, 1994, as amen

Failure to file may subject you to criminal and/or civil penalties unde Sections 324.11151 or 324.12116 A

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: FL8170024412
Manifest Document No.: 75744
2. Page 1 of 1
Information in the shaded area is not required by Federal la

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number: MI 9418557
B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.52	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL: 121[illegible]
STD [illegible] Bill of Lading
Page [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8620

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest L. Holmes
Date: Month 12 Day 15 Year 01

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Melvin Williams
Signature: Melvin Williams
Date: Month 12 Day 15 Year 01

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SAWYER
Signature:
Date: Month 12 Day 18 Year 01

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

Invoice ID: 20093372 Receipt ID: 345631 Manifest: MI9416600

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

#131

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FLS170024412
Manifest Document No. 13489
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812
4. Generator's Phone ( )

A. State Manifest Document Number MI 9416600
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☐	001	DT	22.9	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVED 12/15/03
CTO 0026 - Steel Drum
Report # 16878

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8628

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: Ernest L. Holmes
Date: Month 12 Day 15 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Adrian White
Signature: Adrian White
Date: Month 12 Day 15 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRIAN SCHULTZ
Signature:
Date: Month 12 Day 16 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY PDF 8170 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 345632 Manifest: MI9418556

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal or civil penalties under Section 324.11151 or 324.12116 MCL.

13777

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: FL8170024412
Manifest Document No.: 13493
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: MI 9418556

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212

B. State Generator's ID

4. Generator's Phone (904) 777-4812

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237

C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831

G. State Facility's ID
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	22.51	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVALS [illegible]
CTO [illegible] - [illegible]
Project # [illegible]

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNIEST L. HOLMES
Signature: [signature]
Date: Month 11 Day 21 Year 90

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Joseph Moss
Signature: [signature]
Date: Month 11 Day 21 Year 90

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYA SCHULTZ
Signature: [signature]
Date: Month 12 Day 10 Year 90

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

Invoice ID: 20093372 Receipt ID: 345634 Manifest: MI9416602

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID Number: FL5170024412
Manifest Document No.: 13491
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

A. State Manifest Document Number: MI 9416602
B. State Generator's ID:

4. Generator's Phone ( )

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
40350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	22.7	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above: AFI NOWLE
CTO 0006 - Shaw Rinse
Project #1487[illegible]

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMER SERV NUMBER: 800-275-8029

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 15 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Alfred Horsley
Signature: [signature]
Date: Month 12 Day 15 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHMIDT
Signature: [signature]
Date: Month 12 Day 16 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88). TSDF COPY. SQP 8110 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 346182 Manifest: MI9416565

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended. 396 79114

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL. ~~792~~

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412 | Manifest Document No. 15526 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER, PO BOX 30 CODE 331, JACKSONVILLE, FL 32212

4. Generator's Phone (904) 777-4812

A. State Manifest Document Number: MI 9416565

B. State Generator's ID

5. Transporter 1 Company Name: ACTION RESOURCES, INC | 6. US EPA ID Number: ALR000007237

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT, 40360 NORTH I94 SERVICE DRIVE, BELLEVILLE, MICHIGAN 48111 | 10. US EPA ID Number: MID000724831

G. State Facility's ID

H. Facility's Phone 800-592-6489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	24.1	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above: JACKSONVILLE, FL 32203-3246, 1-10 ROOF, Shop Area, Fleet Facility

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMERGENCY NUMBER: 800-275-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES | Signature | Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: Willie Walton | Signature | Date: Month 12 Day 22 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space: Pick-Scanned per John Toque @ EQ Atlanta. Tony Sobel 12-24-3

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRYAN SCHULTZ | Signature | Date: Month 12 Day 24 Year 03

GENERATOR / TRANSPORTER / FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 5119 Rev. 7/98

Invoice ID: 20093372

Receipt ID: 345657

Manifest: MI9418559

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

143

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12118 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: FL0170024412

Manifest Document No.: 73496

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone (904) 777-4812

A. State Manifest Document Number: MI 9418559

B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC

6. US EPA ID Number: ALR000007237

C. State Transporter's ID: [redacted]

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSALWASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111

10. US EPA ID Number: MID000724831

G. State Facility's ID

H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	22.5	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL: 12110087
CTID [illegible], [illegible]
Phone: [illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8620

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 15 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [signature]
Date: Month 12 Day 15 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: [illegible]
Signature: [signature]

GENERATOR

TRANSPORTER

FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

Invoice ID: 20093372 Receipt ID: 345658 Manifest: MI9418558

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

109

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 13495
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9418558
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-8689

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.85	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVALS: 121 DOMT
CTO 0005 - Metal Scrap
Project #14878

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-0529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
ERNEST L. HOLMES		12/15/03

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Mitch Dolier		12/15/03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
BRIAN SCHMIDT		12/17/03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9-88) SCP 6115

Invoice ID: 20093372 Receipt ID: 345665 Manifest: MI9418560

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to do may subject you to criminal and/or civil penalties under Sections 324.11151 & 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 13497
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9418560
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALF000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	23.88	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL: [illegible]
CTO [illegible] - Hazel Keeper
Project [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-276-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 15 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Percy Smith
Signature: [signature]
Date: Month 12 Day 15 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHUTT
Signature: [signature]
Date: Month 12 Day 17 Year 03

GENERATOR / TRANSPORTER / FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY

Invoice ID: 20093372 Receipt ID: 345671 Manifest: MI9416601

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 75470
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVY EXCHANGE - CECIL FIELD PUBLIC WORKS CENTER, PO BOX 30 CODE 331, JACKSONVILLE, FL 32212
4. Generator's Phone ( ) 904 777-4812

A. State Manifest Document Number: MI 9416601
B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT, 49350 NORTH I94 SERVICE DRIVE, BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	22.35	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above: [illegible] CTD [illegible] Shell Rings Pallet: [illegible]

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information: 24 HOUR EMERGENCY NUMBER: 800-275-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: [signature] Date: Month 12 Day 15 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Willie Walton Signature: [signature] Date: Month 12 Day 15 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHUTT Signature: [signature] Date: Month 12 Day 17 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY TSDF-1119 Rev. 2/03

Invoice ID: 20093372 Receipt ID: 345672 Manifest: MI9416603

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 75772
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4812

TK #83

A. State Manifest Document Number MI 9416603
B. State Generator's ID

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-6480

GENERATOR

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	22,86	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL #: 1311[illegible]
LTO [illegible]
Page # [illegible]

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 1 Day 2 Year 1503

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: [illegible]
Signature: [signature]
Date: Month 1 Day 2 Year 1503

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHUTZ
Signature: [signature]
Date: Month 12 Day 1 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY SQP 6116 Rev. 7/93

Invoice ID: 20093372 Receipt ID: 345712 Manifest: MI9416596

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to do so may subject you to criminal and/or civil penalties under Sections 324.11151 of 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 13505
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

A. State Manifest Document Number MI 9416596
B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name AGRION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-6489

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☐	001	DT	23.98	T	D008
b.	☐					
c.	☐					
d.	☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL [illegible]
[illegible]
Phone # [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling 24 HOUR EMERGENCY NUMBER: 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 16 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Edward Lester
Signature: [signature]
Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHULZ
Signature: [signature]
Date: Month 12 Day 17 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY DEQ 8110 Rev. 7/00

Invoice ID: 20093372 Receipt ID: 345725 Manifest: MI9416592

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator [illegible] FL8170024412 | Manifest Document No. 13501 | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416592

B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC | 6. US EPA ID Number ALR000007237

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831

G. State Facility's ID

H. Facility's Phone [illegible]

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.5	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVED [illegible]
TO [illegible]
[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. Holmes | Signature | Date: Month 12 Day 16 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: JOHN WEAGLE | Signature | Date: Month 12 Day 16 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRYA SCHMIT | Signature | Date: Month 12 Day 17 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 8110 Rev. 7/06

Invoice ID: 20093372 Receipt ID: 345726 Manifest: MI9416594

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.
Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator FL5170024412
Manifest Document No. 13503
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32312
904 777-4812

A. State Manifest Document Number MI 9416594
B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number MLR000097237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-8489

	10. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.2	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVED TRIGEN
CTO 0008 - Phase II
Project #146259

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8620

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR: If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: Ernest L. Holmes Date: Month 12 Day 16 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Dexter Peeler Signature: Dexter Peeler Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRIAN SCHMIDT Signature: Date: Month 12 Day 17 Year 03

GENERATOR

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 3/88) TSDF COPY DEQ-WMD Rev. 7/03

Invoice ID: 20093372 Receipt ID: 345727 Manifest: MI9416590

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended. Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412 | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32312
904 777-4812

A. State Manifest Document Number MI 9416590

B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name ACTION RESOURCES, INC | 6. US EPA ID Number ALR000097237

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111

US EPA ID Number MID000724831

G. State Facility's ID

H. Facility's Phone 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.4	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
APPROVAL 12[illegible]
DEQ [illegible] - Bank Name
Project #[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling 24 HOUR EMERGENCY NUMBER: 800-275-8620

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES | Signature | Date: Month 12 Day 16 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Joey Holland | Signature | Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name: [illegible] SCHULTZ | Signature | Date: Month 12 Day 17 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY LDP 8130 Rev. 7/08

Invoice ID: 20093372 Receipt ID: 345736 Manifest: MI9416591

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 23500
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812
4. Generator's Phone ( )

A. State Manifest Document Number MI 9416591 148507
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.75	T	D008
b.	☐						
c.	☐						
d.	☐						

SSIBS

J. Additional Descriptions for Materials Listed Above
APPROVAL #
CTS ROUTE: Direct Route
Phone # 1-800-[illegible]

K. Handling Codes
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8628

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: Ernest Holmes Date: Month 12 Day 16 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: JOE HAM Signature: Joe Ham Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name Signature Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: BRYAN SCHMITZ Signature Date: Month 12 Day 17 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY ZDP 5313 Rev. 7/98

Invoice ID: 20093372 Receipt ID: 346319 Manifest: MI9416588

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL5170024412
Manifest Document No. 13521
2. Page 1 of

† Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4912

A. State Manifest Document Number MI 9416588
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone 800-592-5489

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
7. Transporter 2 Company Name
8. US EPA ID Number
9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724931

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	24.09	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above a. b. c. d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-0629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: Date: Month 1 Day 2 Year 2003

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Date: Month 1 Day 2 Year 2003

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Signature: Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY BCF 8110 Rev. 7/99

Invoice ID: 20093372 Receipt ID: 346331 Manifest: MI9416589

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412
Manifest Document No. 75522
2. Page 1 of 1
Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32312
4. Generator's Phone (904) 777-4812

A. State Manifest Document Number MI 9416589
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSALWASTE TREATMENT PLANT
40350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.61	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVED TERMINAL
CTO 0026 - West Range
Project # 96750

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: Ernest Holmes Date: Month 12 Day 22 Y 10

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: CHRIS TANNER Signature: [illegible] Date: Month 12 Day 22 Y 10

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: Date: Month Day Y

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Fred Price Signature: Fred Price Date: Month Day Y

GENERATOR / TRANSPORTER / FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY

Invoice ID: 20093372 Receipt ID: 346332 Manifest: MI9416566

08

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994 as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FL5170024412
Manifest Document No.: 13527
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name: NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

A. State Manifest Document Number: MI 9416566
B. State Generator's ID

4. Generator's Phone ( )

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number: MID000724831
G. State Facility's ID
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.24	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
APPROVAL # 12455444
CTO 0005 - Stand Pump
Project # 14870

K. Handling Codes: a b c d

15. Special Handling Instructions: 24 HOUR EMERGENCY NUMBER: 800-275-5629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Ernest L. Holmes
Signature: Ernest Holmes
Date: Month 1 Day 2 Year 2003

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month 1 Day 2 Year 2003

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Deborah Wills
Signature: Deborah Wills
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY EQP 6119 Rev. 7/00

Invoice ID: 20093372 Receipt ID: 346436 Manifest: MI9416570

TK# 106

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to do so may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

03980

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL9170024412
Manifest Document No. 13531
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4912

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416570
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5460

	10. HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	16.2	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL: 122523WAP
CTO 0061 Cecil Field
Page 9 of 10

K. Handling Codes: a. b. c. d.

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-8629

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 29 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: Wayne Parker
Signature: Wayne Parker
Date: Month 12 Day 29 Year 03

TRANSPORTER

18 Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: BRIAN SCHULTZ
Signature: [signature]
Date: Month 12 Day 30 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88)

TSDF COPY

EQH 8110 Rev. 7/02

Invoice ID: 20093372 Receipt ID: 346438 Manifest: MI9416569

284

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412 | Manifest Document No. 75330 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone (904) 777-4812

A. State Manifest Document Number: MI 9416569
B. State Generator's ID:

5. Transporter 1 Company Name: ACTION RESOURCES, INC
6. US EPA ID Number: ALR000007237
C. State Transporter's ID:
D. Transporter's Phone:

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number: MID000724831
G. State Facility's ID:
H. Facility's Phone: 800-592-5489

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	☒	001	DT	19.36	T	D008
b.		☐					
c.		☐					
d.		☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL #: 124-574-[illegible]
STD #[illegible] - Street Rental
PHASE [illegible]

K. Handling Codes:
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8020

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES | Signature: [signature] | Date: Month 12 Day 29 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: STEVEN D SMITH | Signature: [signature] | Date: Month 12 Day 29 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dee Patrice | Signature: Dee Patrice | Date: Month [illegible] Day [illegible] Year [illegible]

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY MDF 8110 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 346103 Manifest: MI9416586

WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 13519
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
904 777-4812

4. Generator's Phone ( )

A. State Manifest Document Number MI 9416586
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone 800-592-5489

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000097237

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
US EPA ID Number MID000724831

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII SRGN171	☒	001	DT	22.72	T	D008
b.	☐					
c.	☐					
d.	☐					

J. Additional Descriptions for Materials Listed Above
APPROVAL # 1217[illegible]
C10 [illegible] Steel Drum
Pallet # [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8620

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Tiawelle Johnson
Signature: [signature]
Date: Month 12 Day 22 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jackie Price
Signature: [signature]
Date: Month 12 Day 22 Year 03

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/86) TSDF COPY EQP 8715 Rev. 7/99

Invoice ID: 20093372

Receipt ID: 345741

Manifest: MI941856

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL

DEQ WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 73498
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904 777-4812

A. State Manifest Document Number MI 9418561
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-6489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	22.64	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPR NUMBER: 121[illegible]
STO [illegible] - Street Rinse
Profile # [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8029

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 16 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Terrell John Beal
Signature: [signature]
Date: Month 12 Day 16 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name: BRIAN SOWNER
Signature: [signature]
Date: Month 12 Day 17 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9-88)

TSDF COPY

BOP 1110 Rev. 7/03

Invoice ID: 20093372 Receipt ID: 346407 Manifest: MI9416568

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL6170024412 Document No. 135 12

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212

4. Generator's Phone (904 777-4812)

A. State Manifest Document Number MI 9416568

B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC

6. US EPA ID Number ALR000007237

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49350 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111

US EPA ID Number MID000724831

G. State Facility's ID

H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.		RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	20.97	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVED [illegible]
CTO [illegible]
PHONE [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY NUMBER: 800-275-0529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES Signature: [signature] Date: Month 12 Day 29 Year 03

TRANSPORTER

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: David Harrell Signature: [signature] Date: Month 12 Day 29 Year 03

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name Signature Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Anna Marie Fallon Signature: Anna Marie Fallon Date: Month 12 Day 30 Year 03

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

EPA Form 8700-22 (Rev. 9/88) TSDF COPY BOP 5110 Rev. 7/00

Invoice ID: 20093372 Receipt ID: 346158 Manifest: MI9416587

DEQ WASTE MANAGEMENT DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL8170024412
Manifest Document No. 135-2D
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
NAVAL AIR STATION - CECIL FIELD PUBLIC WORKS CENTER
PO BOX 30 CODE 331
JACKSONVILLE, FL 32212
4. Generator's Phone (904) 777-4912

A. State Manifest Document Number MI 9416587
B. State Generator's ID

5. Transporter 1 Company Name ACTION RESOURCES, INC
6. US EPA ID Number ALR000007237
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
MICHIGAN DISPOSAL WASTE TREATMENT PLANT
49300 NORTH I94 SERVICE DRIVE
BELLEVILLE, MICHIGAN 48111
10. US EPA ID Number MID000724831
G. State Facility's ID
H. Facility's Phone 800-592-5489

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	☒	RQ, HAZARDOUS WASTE, SOLID, N.O.S. (LEAD, ANTIMONY), 9, NA3077, PGIII ERG#171	001	DT	23.16	T	D008
b.	☐						
c.	☐						
d.	☐						

J. Additional Descriptions for Materials Listed Above
APPROVAL# [illegible]
CTO 0006 - Steve Ramp
Phone # [illegible]

K. Handling Codes
a
b
c
d

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY NUMBER: 800-275-8529

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ERNEST L. HOLMES
Signature: [signature]
Date: Month 12 Day 22 Year 03

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Adrian White Adrian White
Signature: Adrian White
Date: Month 12 Day 22 Year 03

18 Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

GENERATOR
TRANSPORTER
FACILITY

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

Appendix I

Transportation and Disposal Log

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	1	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256511			23.65		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	2	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256513			21.97		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	3	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256512			21.50		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	4	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256514			21.14		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	5	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256515			21.68		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	6	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256516			22.93		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	7	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256517			23.98		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	8	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256518			20.59		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	9	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256519			23.00		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	10	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256520			24.20		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	11	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256521			22.23		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	12	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256522			27.21		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	13	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256523			22.20		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	14	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256524			21.93		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	15	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256525			24.54		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	16	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256526			22.27		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	06-Aug-02	SLD984178269	17	Chesser Island	024-0006D	Soil	Non Haz	N/A	06-Aug-2002	256527			21.18		TN	06-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	18	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256528			20.09		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	19	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256529			21.99		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	20	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256530			25.17		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	21	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256531			23.83		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	22	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256532			25.36		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	23	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256533			22.86		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	24	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256534			21.59		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	25	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256535			21.39		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	26	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	256536			20.12		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	27	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262463			21.99		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	28	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262464			22.33		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	29	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262465			20.70		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	30	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262466			24.93		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	31	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262467			24.67		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	32	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262468			20.39		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	33	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262469			19.95		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	34	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262470			20.18		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1021	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	35	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262471			21.98		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	36	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262472			22.16		TN	07-Aug-2002		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	37	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262473			24.57		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	38	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262474			22.56		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	39	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262475			24.90		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	40	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262476			25.36		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	41	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262477			22.73		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	42	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262478			22.02		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	43	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262479			21.95		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	44	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262480			24.78		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	45	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262481			20.84		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	46	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262482			24.32		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	47	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262483			23.95		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	48	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262484			22.96		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	49	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262485			22.70		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	07-Aug-02	SLD984178269	50	Chesser Island	024-0006D	Soil	Non Haz	N/A	07-Aug-2002	262486			22.27		TN	07-Aug-2002		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	51	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262487			25.52		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	52	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262488			24.26		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	53	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262489			23.11		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	54	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262490			22.77		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	55	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262491			25.34		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	56	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262492			22.29		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	57	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262493			22.05		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	58	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262494			20.60		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	319	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	59	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262495			22.20		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	60	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262496			22.00		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	61	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262497			23.69		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	62	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262498			24.41		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	63	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262499			26.99		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	64	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262500			26.32		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	65	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262501			22.94		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	66	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262502			25.02		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	43	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	67	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262503			23.32		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	68	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262504			21.11		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	69	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262505			24.12		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	70	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262506			23.83		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	363	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	71	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262507			22.89		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	72	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262508			22.29		TN	08-Aug-02		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	62	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	73	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262509			24.51		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	74	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262510			24.38		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	75	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262511			21.91		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	76	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262512			24.09		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	77	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262513			22.87		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	78	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262514			25.32		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	79	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262515			23.47		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	319	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	80	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262516			23.57		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	81	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262517			26.26		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	82	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262518			22.57		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	83	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262519			24.82		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	84	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262520			24.39		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	525	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	85	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262521			23.63		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	86	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262522			23.49		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	87	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262523			27.14		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	88	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262524			23.12		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	405	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	89	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262525			24.75		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	90	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262526			24.29		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	91	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262527			24.23		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	92	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262528			21.80		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	43	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	93	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262529			21.21		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	94	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262530			21.78		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	95	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262531			21.90		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	96	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262532			25.28		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	62	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	97	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262533			21.41		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	98	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262534			22.88		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	363	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	99	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262535			22.40		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	100	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262536			18.04		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	101	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262537			21.41		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	102	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262538			22.23		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	103	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262539			25.14		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	104	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262540			26.16		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	724	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	105	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262541			23.22		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	08-Aug-02	SLD984178269	106	Chesser Island	024-0006D	Soil	Non Haz	N/A	08-Aug-02	262542			23.02		TN	08-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	107	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262543			18.97		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	108	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262544			20.69		TN	12-Aug-02		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	109	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262545			23.01		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	110	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262546			23.95		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	383	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	111	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262547			21.37		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	112	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262548			24.45		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1074	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	113	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262549			23.65		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	114	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262550			24.80		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	115	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262551			22.28		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	116	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262552			24.56		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	117	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262557			24.45		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	118	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262558			23.70		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	119	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262559			23.70		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	120	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262560			26.65		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	374	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	121	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262561			26.93		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	122	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262562			25.55		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	123	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262563			27.55		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	417	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	124	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262564			26.10		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	512	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	125	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262565			26.30		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	471	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	126	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262566			20.68		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	127	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262567			22.68		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	128	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262568			22.78		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	129	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262569			24.64		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	130	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262570			21.53		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	131	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262571			20.30		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	420	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	132	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262572			20.95		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	133	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262573			22.33		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	722	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	134	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262574			20.65		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	12-Aug-02	SLD984178269	135	Chesser Island	024-0006D	Soil	Non Haz	N/A	12-Aug-02	262575			21.87		TN	12-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	136	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262576			25.51		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	137	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262577			23.18		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	138	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262578			23.49		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	139	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262579			22.49		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	140	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262580			22.31		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	448	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	141	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262581			23.43		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	142	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262582			26.39		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	143	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262583			24.55		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	144	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262584			27.61		TN	14-Aug-02		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	145	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262585			23.84		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	146	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262586			26.26		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	147	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262587			22.62		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	148	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262588			24.85		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	149	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262589			23.95		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	150	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262590			22.90		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	151	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262591			22.18		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	152	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262592			22.54		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	153	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262593			23.32		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	154	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262594			26.21		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	155	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262595			21.33		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	156	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262596			23.58		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	157	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262597			23.24		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	158	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262598			23.61		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	159	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262599			25.32		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	160	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262600			23.28		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	161	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262601			22.18		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	162	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262602			22.14		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	163	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262603			23.34		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	164	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262604			22.43		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	165	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262605			23.02		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	166	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262606			26.40		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	167	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262607			23.36		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	168	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262608			23.30		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	169	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262609			26.50		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	170	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262610			24.06		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	171	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262611			25.78		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	14-Aug-02	SLD984178269	172	Chesser Island	024-0006D	Soil	Non Haz	N/A	14-Aug-02	262612			23.65		TN	14-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	173	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262613			25.90		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	174	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262614			23.01		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	373	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	175	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262615			22.80		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	176	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262616			21.04		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	177	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262617			21.48		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	178	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262618			21.63		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	179	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262619			22.90		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	318	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	180	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262620			21.60		TN	15-Aug-02		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	181	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262621			24.70		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	182	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262622			24.78		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1012	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	183	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262623			23.75		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	770	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	184	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262624			23.70		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	185	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262625			26.26		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	186	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262626			25.57		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	715	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	187	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262627			24..33		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	188	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262628			22.77		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	419	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	189	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262629			23.32		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	723	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	190	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262630			21.38		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	191	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262631			22.04		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	192	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262632			23.55		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	193	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262633			24.71		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	337	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	194	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262634			23.88		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	334	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	195	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262635			22.20		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	769	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	196	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262636			22.40		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	761	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	197	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262637			23.19		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	736	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	198	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262638			23.39		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	768	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	199	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262639			23.28		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	200	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262640			23.41		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	15-Aug-02	SLD984178269	201	Chesser Island	024-0006D	Soil	Non Haz	N/A	15-Aug-02	262641			22.18		TN	15-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	262642	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	202	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262642			22.94		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	203	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262643			22.21		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	204	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262644			21.77		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	205	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262645			22.10		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	206	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262646			21.65		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	207	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262647			21.53		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	208	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262648			23.98		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	209	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262649			21.74		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	435	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	210	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262650			21.34		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1025	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	211	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262651			20.39		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	212	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262652			22.56		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	213	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262653			24.33		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	214	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262654			22.29		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	457	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	215	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262655			23.72		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	216	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262656			21.60		TN	19-Aug-02		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	217	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262657			23.20		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	743	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	218	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262658			24.23		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	526	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	219	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262659			20.93		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	220	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262660			17.66		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	221	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262661			21.29		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	222	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	262662			19.57		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	223	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236820			17.48		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	395	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	224	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236821			21.40		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	396	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	225	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236822			22.61		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	777	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	226	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236830			24.60		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	787	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	227	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236831			23.35		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	785	WMCU6013	EQIS	Pritchert	19-Aug-02	SLD984178269	228	Chesser Island	024-0006D	Soil	Non Haz	N/A	19-Aug-02	236832			19.09		TN	19-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	718	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	229	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236872			19.63		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	775	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	230	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236873			19.71		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	716	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	231	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236874			20.42		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	232	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236875			22.94		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	233	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236786			23.88		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	774	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	234	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236877			20.78		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	235	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236878			24.02		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	1074	WMCU6013	EQIS	Pritchert	20-Aug-02	SLD984178269	236	Chesser Island	024-0006D	Soil	Non Haz	N/A	20-Aug-02	236879			19.09		TN	20-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	712	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	237	Chesser Island	024-0006D	Soil	Non Haz	N/A	26-Aug-02	236869			20.58		TN	26-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	406	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	238	Chesser Island	024-0006D	Soil	Non Haz	N/A	26-Aug-02	236869			25.09		TN	26-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	706	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	239	Chesser Island	024-0006D	Soil	Non Haz	N/A	26-Aug-02	236870			25.60		TN	26-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	DT	702	WMCU6013	EQIS	Pritchert	26-Aug-02	SLD984178269	240	Chesser Island	024-0006D	Soil	Non Haz	N/A	26-Aug-02	236871			23.60		TN	26-Aug-02		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	1	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258230			21.22		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	2	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258231			27.60		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	3	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258239			26.62		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	4	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258232			22.58		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	5	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258233			22.97		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	6	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258234			25.16		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	7	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258238			24.22		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	8	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258237			31.60		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	9	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258236			28.85		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	10	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258074			20.37		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	11	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258235			27.62		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	12	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258069			23.42		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	13	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258070			22.41		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	14	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258071			22.47		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	15	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258072			19.93		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	16	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258073			19.12		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	17	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258075			28.05		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	18	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258076			31.51		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	19	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258077			26.93		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	20	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258078			24.58		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	21	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258079			26.44		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	22	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258080			24.59		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	23	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258081			26.27		TN	09-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	09-Dec-03	N/A	24	Chesser Island	024-0006D	Soil	NonHaz	N/A	09-Dec-03	258082			26.83		TN	09-Dec-03		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	25	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258083			24.11		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	26	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258084			27.13		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	38	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258085			23.13		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	27	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258086			26.93		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	28	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258087			27.32		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	29	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258088			23.58		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	30	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258089			22.31		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	31	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258090			23.75		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	32	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258091			23.72		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	33	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258092			21.04		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	34	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258093			23.38		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	35	Chesser Island	024-0006D	Soil	NonHaz	N/A	10-Dec-03	258094			24.00		TN	10-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	10-Dec-03	N/A	36	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258096			21.47		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	37	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258095			21.92		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	39	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258097			25.03		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	40	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258098			21.84		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	41	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258099			22.99		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	42	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258100			25.00		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	43	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258101			25.65		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	44	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258102			23.54		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	45	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258103			25.01		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	46	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258104			24.34		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	47	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258105			27.17		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	48	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258106			25.78		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	49	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258107			24.73		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	50	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258108			25.51		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	51	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258109			26.20		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	52	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258110			28.65		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	53	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258111			24.45		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	54	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258112			24.55		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	11-Dec-03	N/A	55	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258113			25.22		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	12-Dec-03	N/A	56	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258114			22.46		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	12-Dec-03	N/A	57	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258115			23.03		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		CU 6013	EQIS	Prichett	12-Dec-03	N/A	58	Chesser Island	024-0006D	Soil	NonHaz	N/A	11-Dec-03	258116			24.78		TN	11-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	59	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416593			24.15		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	60	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416599			24.72		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	61	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416579			24.11		TN	19-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	62	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416577			23.53		TN	19-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	63	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	19-Dec-03	9416578			21.58		TN	19-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	64	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416582			22.37		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	65	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416584			23.43		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	66	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416585			23.79		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	67	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416586			22.92		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	68	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416580			23.99		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	69	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416581			23.68		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	70	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416564			23.59		TN	23-Dec-03		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	71	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	23-Dec-03	9416587			23.32		TN	23-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	72	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416583			23.08		TN	24-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	73	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416565			24.22		TN	24-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	23-Dec-04	ALR000007237	74	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	24-Dec-03	9416568			21.13		TN	24-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	75	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416588			24.18		TN	29-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	12-Jan-00	ALR000007237	76	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416589			23.73		TN	29-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Jan-00	ALR000007237	77	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	29-Dec-03	9416566			23.21		TN	29-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	22-Dec-04	ALR000007237	78	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416567			23.99		TN	30-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	79	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416570			16.32		TN	30-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	80	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	30-Dec-03	9416569			19.47		TN	30-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	29-Dec-04	ALR000007237	81	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416598			25.00		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	82	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416597			24.02		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	83	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416595			22.81		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	84	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9416576			22.90		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	17-Dec-04	ALR000007237	85	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	18-Dec-03	9418557			23.53		TN	18-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	86	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9416600			23.18		TN	16-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	87	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9418556			22.45		TN	16-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	88	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	16-Dec-03	9416602			23.51		TN	16-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	89	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418559			22.61		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	90	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418558			23.82		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	91	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418560			24.08		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	92	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416601			22.46		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	15-Dec-04	ALR000007237	93	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416603			22.92		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	94	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416596			24.38		TN	17-Dec-03		COMPLETED

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	Disposal Facility 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)					Certif of Disp/ Destruc Date	Comments /Notes	File Status (see note)
																			Incineration	Recycle	Landfill	Other	Unit			
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	95	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416592			23.52		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	96	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416594			23.51		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	97	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416590			23.47		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	98	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9416591			23.75		TN	17-Dec-03		COMPLETED
0005	148799	NAS Cecil Field	Site 49	TT		121103MIF	EQIS	ACTION	16-Dec-04	ALR000007237	99	Michigan Disposal Waste Plant	MID000724831	Soil	HAZ	D008	17-Dec-03	9418561			22.74		TN	17-Dec-03		COMPLETED

Total Non-Haz = 6945.57
Total Haz = 949.17

Appendix J

Clean Fill Laboratory Analytical Reports

- Backfill (provided on CD)
- Topsoil

GULF COAST
ANALYTICAL LABORATORIES, INC.

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date: 06/27/2002

GCAL REPORT NO.: 202062002

Deliver To:	CH2M HILL Constructors Inc. 115 Perimeter Center Place N.E., Suite 700 Atlanta, GA 30346-1278 770-604-9182 Ext. 562
Attn:	Tatianna Romanova

CUSTOMER NAME: CH2M HILL Constructors Inc.

PROJECT NAME: FISC Jacksonville

7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402 • Phone 225.769.4900 • Fax 225.767.5717

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202062002

ORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument Calibration: Both the initial and continuing calibrations were within method quality control criteria.

Surrogate Spikes: In the Florida Pro analysis, the surrogate recovery nonatriacontane in method blank 46425 was below recovery limit, all other surrogate recoveries were within control limits in the associated samples.

All other surrogate recoveries were within quality control criteria.

Matrix Spike/Matrix Spike Duplicate (MS/MSD): In the Semi Volatile analysis, the recoveries for 3,3-Dichlorobenzidine and 4-Chloroanaline were below the control limits in the MS/MSD for batch 145931.

In the PCB analysis, the MS/MSD RPD recoveries in batch 146072 were out of control limits due to the matrix of the sample and the presence of target analytes; however, the MS/MSD recoveries match.

All other MS/MSD recoveries were found to be within quality control limits.

Internal Standard Responses: All internal standard responses met method quality control criteria.

Analysis Comments: In the Volatile analysis, the RPD for Chloroethane in the LCS/LCSD was above control limits for QC batch #145825.

In the Semi Volatile analysis, the recoveries for 3,3-Dichlorobenzidine and Benzaldehyde were below control limit in the LCS for QC batch #145931.

In the Pesticide analysis, the recoveries for alpha-BHC, Dieldrin, Endrin and 4,4'-DDT were above control limits in the LCS for batch 146072.

No other unusual analytical problems were encountered during the analysis of these samples.

INORGANIC QUALITY CONTROL CRITERIA:

Holding Times: All holding times were within method criteria.

Method Blanks: Calcium was detected in the method blank. The concentration is insignificant compared to the concentration detected in the sample.

All other method blanks were found to be within quality control criteria.

CASE NARRATIVE

Client: CH2M HILL **Group No:** 202062002

INORGANIC QUALITY CONTROL CRITERIA:

Spike/Duplicate (S/D): In the Metals analysis, a post digestion spike was performed in the QC sample for this batch because the recoveries for Aluminum, Antimony, and Iron were outside the control limit in the matrix spike and matrix spike duplicate. The post-digestion spike recoveries for these elements were 99%, 91%, and 96%.

All other S/D recoveries were within quality control criteria.

Laboratory Control Samples: All LCS analyses met quality control criteria.

Calibration Verifications: All ICV, ICB, CCV, CCB analyses met all quality control criteria.

Analysis Comments: Aluminum, Calcium, Chromium, Iron, and Magnesium are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than ten. A chemical or physical interference is suspected for these analytes.

No other unusual analytical problems were encountered during the analysis of these samples.

LABORATORY ENDORSEMENT

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 Days unless otherwise arranged. Following this retention period the samples will be disposed of in accordance with GCAL's Standard Operating Procedures.

ND-Indicates that the result was not detected at the specified Reporting Limit (RDL)
DO-Indicates that the result was diluted out
MI-Indicates that the result was subject to Matrix Interference
TNTC-Indicates that the result was Too Numerous To Count
J-Indicates that the result was detected between the RDL and the MDL
U-Indicates that the result was not detected at the RDL
SUBC-Indicates that the analysis was Sub-contracted
FLD-Indicates that the result was performed in the field by the client
B- (ORGANICS) Indicates that the analyte was detected in the associated Method Blank
B- (INORGANICS) Indicates that the result is between the RDL and MDL
00:00 Reported as a time is equivalent to 24:00

This Report pertains only to the samples listed in the Sample Cross-Reference and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the Client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the CCI contract and Statement of Work both technically and for completeness, for other than the condition detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

SCOTT A. BAILEY
OPERATIONS MANAGER

GCAL REPORT NO.: 202062002

SAMPLE CROSS-REFERENCE

GCAL ID	CLIENT ID	MATRIX	SAMPLE DATE/TIME	RECEIVE DATE/TIME
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05
20206200203	046-TB-W-0619-02	Water	06/19/2002 00:00	06/20/2002 09:05

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	46326	95	97	98	99	0
02	46525	88	95	99	104	0
03	46325	102	100	102	93	0
04	046-TB-W	106	105	101	87	0
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1	= Dibromofluoromethane	(70-130)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(76-128)
SMC3 (TOL)	= Toluene-d8	(83-112)
OTHER (BFB)	= Bromofluorobenzene	(78-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL)#	SMC2 (BFB)#	SMC3 (DCE)#	OTHER #	TOT OUT
01	46407	96	102	102	103	0
02	46408	99	102	98	100	0
03	46406	101	100	101	99	0
04	046-BF-S	102	103	104	102	0
05	046-RB-S	103	103	103	100	0
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (TOL)	= Toluene-d8	(65-128)
SMC2 (BFB)	= Bromofluorobenzene	(73-138)
SMC3 (DCE)	= 1,2-Dichloroethane-d4	(60-140)
OTHER	= Dibromofluoromethane	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

QUALITY CONTROL SUMMARY

LCS ID: 46326	ORIGINAL LAB ID:	PREP BATCH:
	MATRIX Water	ANALYTICAL BATCH: 145825

SW-846 8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
67-64-1	Acetone	50 ug/L	49.6	99	58 - 165
75-27-4	Bromodichloromethane	50 ug/L	47.1	94	76 - 128
75-25-2	Bromoform	50 ug/L	48.9	98	67 - 145
74-83-9	Bromomethane	50 ug/L	41.5	83	73 - 147
75-15-0	Carbon disulfide	50 ug/L	47.3	95	37 - 155
56-23-5	Carbon tetrachloride	50 ug/L	45.3	91	75 - 128
75-00-3	Chloroethane	50 ug/L	52.1	104	46 - 160
67-66-3	Chloroform	50 ug/L	45.8	92	80 - 124
74-87-3	Chloromethane	50 ug/L	48.7	97	71 - 120
124-48-1	Dibromochloromethane	50 ug/L	46.6	93	43 - 159
75-71-8	Dichlorodifluoromethane	50 ug/L	47.9	96	70 - 127
75-34-3	1,1-Dichloroethane	50 ug/L	48.5	97	75 - 127
107-06-2	1,2-Dichloroethane	50 ug/L	46.3	93	79 - 134
156-59-2	cis-1,2-Dichloroethene	50 ug/L	48.3	97	78 - 124
156-60-5	trans-1,2-Dichloroethene	50 ug/L	48.2	96	75 - 124
75-09-2	Methylene chloride	50 ug/L	44	88	74 - 130
78-87-5	1,2-Dichloropropane	50 ug/L	49.4	99	77 - 129
10061-01-5	cis-1,3-Dichloropropene	50 ug/L	48.3	97	73 - 128
10061-02-6	trans-1,3-Dichloropropene	50 ug/L	48.3	97	72 - 134
100-41-4	Ethylbenzene	50 ug/L	48	96	75 - 138
591-78-6	2-Hexanone	50 ug/L	53.7	107	71 - 166
98-82-8	Isopropylbenzene (Cumene)	50 ug/L	50.7	101	66 - 151
78-93-3	2-Butanone	50 ug/L	54	108	59 - 157
108-10-1	4-Methyl-2-pentanone	50 ug/L	54.2	108	65 - 159
100-42-5	Styrene	50 ug/L	49.3	99	75 - 139
127-18-4	Tetrachloroethene	50 ug/L	47.6	95	75 - 140
79-34-5	1,1,2,2-Tetrachloroethane	50 ug/L	47.3	95	55 - 153
120-82-1	1,2,4-Trichlorobenzene	50 ug/L	49.9	100	60 - 148
71-55-6	1,1,1-Trichloroethane	50 ug/L	46.6	93	45 - 152
79-00-5	1,1,2-Trichloroethane	50 ug/L	48.3	97	73 - 144
75-69-4	Trichlorofluoromethane	50 ug/L	46.6	93	73 - 131
75-01-4	Vinyl chloride	50 ug/L	52.6	105	68 - 127
96-12-8	1,2-Dibromo-3-chloropropane	50 ug/L	50.4	101	58 - 148
106-93-4	1,2-Dibromoethane	50 ug/L	47.2	94	74 - 140
1634-04-4	tert-Butyl methyl ether (MTBE)	50 ug/L	50.4	101	70 - 130
1330-20-7	Xylene (total)	150 ug/L	145	97	60 - 154
108-87-2	Methylcyclohexane	50 ug/L	50.9	102	40 - 130
110-82-7	Cyclohexane	50 ug/L	49.6	99	70 - 130
79-20-9	Methyl Acetate	50 ug/L	48	96	70 - 130

QUALITY CONTROL SUMMARY

76-13-1	Trichlorotrifluoroethane	50 ug/L	48.8	98	70 - 130
541-73-1	1,3-Dichlorobenzene	50 ug/L	46.7	93	65 - 143
106-46-7	1,4-Dichlorobenzene	50 ug/L	50	100	68 - 142
95-50-1	1,2-Dichlorobenzene	50 ug/L	48.8	98	67 - 142
75-35-4	1,1-Dichloroethene	50 ug/L	49.5	99	67 - 140
71-43-2	Benzene	50 ug/L	48.5	97	74 - 128
79-01-6	Trichloroethene	50 ug/L	51.4	103	63 - 118
108-88-3	Toluene	50 ug/L	48.5	97	76 - 125
108-90-7	Chlorobenzene	50 ug/L	48.2	96	78 - 125

LCSD LAB ID: 46525 ORIGINAL LAB ID: PREP BATCH:
MATRIX Water ANALYTICAL BATCH: 145825

SW-846 8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
67-64-1	Acetone	50 ug/L	46.6	93	58 - 165	6	0 - 30
75-27-4	Bromodichloromethane	50 ug/L	43.8	88	76 - 128	7	0 - 30
75-25-2	Bromoform	50 ug/L	49.8	100	67 - 145	2	0 - 30
74-83-9	Bromomethane	50 ug/L	39.5	79	73 - 147	5	0 - 30
75-15-0	Carbon disulfide	50 ug/L	42.1	84	37 - 155	12	0 - 30
56-23-5	Carbon tetrachloride	50 ug/L	40.8	82	75 - 128	10	0 - 30
75-00-3	Chloroethane	50 ug/L	37.6	75	46 - 160	32 *	0 - 30
67-66-3	Chloroform	50 ug/L	41.9	84	80 - 124	9	0 - 30
74-87-3	Chloromethane	50 ug/L	43	86	71 - 120	12	0 - 30
124-48-1	Dibromochloromethane	50 ug/L	47.9	96	43 - 159	3	0 - 30
75-71-8	Dichlorodifluoromethane	50 ug/L	42.4	85	70 - 127	12	0 - 30
75-34-3	1,1-Dichloroethane	50 ug/L	43.5	87	75 - 127	11	0 - 30
107-06-2	1,2-Dichloroethane	50 ug/L	43.7	87	79 - 134	7	0 - 30
156-59-2	cis-1,2-Dichloroethene	50 ug/L	43.8	88	78 - 124	10	0 - 30
156-60-5	trans-1,2-Dichloroethene	50 ug/L	43.2	86	75 - 124	11	0 - 30
75-09-2	Methylene chloride	50 ug/L	40.2	80	74 - 130	10	0 - 30
78-87-5	1,2-Dichloropropane	50 ug/L	45.9	92	77 - 129	7	0 - 30
10061-01-5	cis-1,3-Dichloropropene	50 ug/L	44.3	89	73 - 128	9	0 - 30
10061-02-6	trans-1,3-Dichloropropene	50 ug/L	44.3	89	72 - 134	9	0 - 30
100-41-4	Ethylbenzene	50 ug/L	48.7	97	75 - 138	1	0 - 30
591-78-6	2-Hexanone	50 ug/L	52.9	106	71 - 166	0.9	0 - 30
98-82-8	Isopropylbenzene (Cumene)	50 ug/L	48.8	98	66 - 151	3	0 - 30
78-93-3	2-Butanone	50 ug/L	49.8	100	59 - 157	8	0 - 30
108-10-1	4-Methyl-2-pentanone	50 ug/L	50	100	65 - 159	8	0 - 30
100-42-5	Styrene	50 ug/L	47.1	94	75 - 139	5	0 - 30
127-18-4	Tetrachloroethene	50 ug/L	43.4	87	75 - 140	9	0 - 30
79-34-5	1,1,2,2-Tetrachloroethane	50 ug/L	49.3	99	55 - 153	4	0 - 30
120-82-1	1,2,4-Trichlorobenzene	50 ug/L	49.8	100	60 - 148	0	0 - 30
71-55-6	1,1,1-Trichloroethane	50 ug/L	42.3	85	45 - 152	9	0 - 30
79-00-5	1,1,2-Trichloroethane	50 ug/L	46.2	92	73 - 144	5	0 - 30

QUALITY CONTROL SUMMARY

75-69-4	Trichlorofluoromethane	50 ug/L	40.5	81	73 - 131	14	0 - 30
75-01-4	Vinyl chloride	50 ug/L	46.1	92	68 - 127	13	0 - 30
96-12-8	1,2-Dibromo-3-chloropropane	50 ug/L	52.4	105	58 - 148	4	0 - 30
106-93-4	1,2-Dibromoethane	50 ug/L	47.3	95	74 - 140	1	0 - 30
1634-04-4	tert-Butyl methyl ether (MTBE)	50 ug/L	48.2	96	70 - 130	5	0 - 30
1330-20-7	Xylene (total)	150 ug/L	135	90	60 - 154	7	0 - 30
108-87-2	Methylcyclohexane	50 ug/L	45.8	92	70 - 130	10	0 - 30
110-82-7	Cyclohexane	50 ug/L	44.5	89	70 - 130	11	0 - 30
79-20-9	Methyl Acetate	50 ug/L	45.5	91	70 - 130	5	0 - 30
76-13-1	Trichlorotrifluoroethane	50 ug/L	41.8	84	70 - 130	15	0 - 30
541-73-1	1,3-Dichlorobenzene	50 ug/L	52.1	104	65 - 143	11	0 - 30
106-46-7	1,4-Dichlorobenzene	50 ug/L	43.2	86	68 - 142	15	0 - 30
95-50-1	1,2-Dichlorobenzene	50 ug/L	48	96	67 - 142	2	0 - 30
75-35-4	1,1-Dichloroethene	50 ug/L	43.6	87	67 - 140	13	0 - 14
71-43-2	Benzene	50 ug/L	44.2	88	74 - 128	10	0 - 11
79-01-6	Trichloroethene	50 ug/L	47.3	95	63 - 118	8	0 - 12
108-88-3	Toluene	50 ug/L	44.2	88	76 - 125	10	0 - 14
108-90-7	Chlorobenzene	50 ug/L	47.4	95	78 - 125	1	0 - 13

MS LAB ID: 46572 ORIGINAL LAB ID: 20206190301 PREP BATCH:
MATRIX Solid ANALYTICAL BATCH: 145825

SW-846 8260B

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
56-23-5	Carbon tetrachloride	0	2000 ug/L	1720	86	68 - 138
67-66-3	Chloroform	0	2000 ug/L	1840	92	72 - 136
107-06-2	1,2-Dichloroethane	0	2000 ug/L	1950	98	75 - 134
78-93-3	2-Butanone	0	2000 ug/L	1630	82	49 - 170
127-18-4	Tetrachloroethene	0	2000 ug/L	1840	92	79 - 141
75-01-4	Vinyl chloride	0	2000 ug/L	1930	97	65 - 136
75-35-4	1,1-Dichloroethene	0	2000 ug/L	1660	83	59 - 172
71-43-2	Benzene	0	2000 ug/L	2140	107	60 - 133
79-01-6	Trichloroethene	0	2000 ug/L	1900	95	62 - 137
108-90-7	Chlorobenzene	0	2000 ug/L	1940	97	66 - 142

MSD LAB ID: 46573 ORIGINAL LAB ID: 20206190301 PREP BATCH:
MATRIX Solid ANALYTICAL BATCH: 145825

SW-846 8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
56-23-5	Carbon tetrachloride	2000 ug/L	2010	101	68 - 138	16	0 - 30
67-66-3	Chloroform	2000 ug/L	1910	96	72 - 136	4	0 - 30
107-06-2	1,2-Dichloroethane	2000 ug/L	1830	92	75 - 134	6	0 - 30
78-93-3	2-Butanone	2000 ug/L	1870	94	49 - 170	14	0 - 30
127-18-4	Tetrachloroethene	2000 ug/L	2040	102	79 - 141	10	0 - 30
75-01-4	Vinyl chloride	2000 ug/L	2100	105	65 - 136	8	0 - 30

QUALITY CONTROL SUMMARY

75-35-4	1,1-Dichloroethene	2000 ug/L	2030	102	59 - 172	21	0 - 22
71-43-2	Benzene	2000 ug/L	2040	102	60 - 133	5	0 - 21
79-01-6	Trichloroethene	2000 ug/L	2110	106	62 - 137	11	0 - 24
108-90-7	Chlorobenzene	2000 ug/L	2040	102	66 - 142	5	0 - 21

LCS ID: 46407 ORIGINAL LAB ID: PREP BATCH:
MATRIX Solid ANALYTICAL BATCH: 145848

SW-846 8260B

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
67-64-1	Acetone	50 ug/Kg	44.1	88	58 - 165
75-27-4	Bromodichloromethane	50 ug/Kg	52.1	104	76 - 132
75-25-2	Bromoform	50 ug/Kg	52.2	104	73 - 144
74-83-9	Bromomethane	50 ug/Kg	51.5	103	74 - 166
75-15-0	Carbon disulfide	50 ug/Kg	44.7	89	64 - 136
56-23-5	Carbon tetrachloride	50 ug/Kg	51.6	103	68 - 138
75-00-3	Chloroethane	50 ug/Kg	51.2	102	73 - 183
67-66-3	Chloroform	50 ug/Kg	50.9	102	72 - 136
74-87-3	Chloromethane	50 ug/Kg	48.1	96	46 - 138
124-48-1	Dibromochloromethane	50 ug/Kg	52.3	105	78 - 136
75-71-8	Dichlorodifluoromethane	50 ug/Kg	46.6	93	63 - 135
75-34-3	1,1-Dichloroethane	50 ug/Kg	50.6	101	69 - 133
107-06-2	1,2-Dichloroethane	50 ug/Kg	53.7	107	75 - 134
156-59-2	cis-1,2-Dichloroethene	50 ug/Kg	51.2	102	68 - 136
156-60-5	trans-1,2-Dichloroethene	50 ug/Kg	49.3	99	66 - 134
75-09-2	Methylene chloride	50 ug/Kg	44.5	89	61 - 145
78-87-5	1,2-Dichloropropane	50 ug/Kg	51.7	103	83 - 123
10061-01-5	cis-1,3-Dichloropropene	50 ug/Kg	52.4	105	7 - 186
10061-02-6	trans-1,3-Dichloropropene	50 ug/Kg	52	104	17 - 138
100-41-4	Ethylbenzene	50 ug/Kg	50.2	100	80 - 137
591-78-6	2-Hexanone	50 ug/Kg	49.2	98	62 - 181
98-82-8	Isopropylbenzene (Cumene)	50 ug/Kg	50	100	71 - 140
78-93-3	2-Butanone	50 ug/Kg	49.1	98	49 - 170
108-10-1	4-Methyl-2-pentanone	50 ug/Kg	50.9	102	76 - 159
100-42-5	Styrene	50 ug/Kg	49.3	99	75 - 139
127-18-4	Tetrachloroethene	50 ug/Kg	48.9	98	79 - 141
79-34-5	1,1,2,2-Tetrachloroethane	50 ug/Kg	48.5	97	74 - 148
120-82-1	1,2,4-Trichlorobenzene	50 ug/Kg	52	104	40 - 129
71-55-6	1,1,1-Trichloroethane	50 ug/Kg	50.9	102	71 - 135
79-00-5	1,1,2-Trichloroethane	50 ug/Kg	51	102	77 - 141
75-69-4	Trichlorofluoromethane	50 ug/Kg	52.1	104	69 - 138
75-01-4	Vinyl chloride	50 ug/Kg	48.9	98	65 - 136
96-12-8	1,2-Dibromo-3-chloropropane	50 ug/Kg	54.6	109	71 - 144
106-93-4	1,2-Dibromoethane	50 ug/Kg	52.2	104	75 - 143
1634-04-4	tert-Butyl methyl ether (MTBE)	50 ug/Kg	53	106	70 - 130

QUALITY CONTROL SUMMARY

1330-20-7	Xylene (total)	150 ug/Kg	148	99	79 - 136
108-87-2	Methylcyclohexane	50 ug/Kg	51.5	103	70 - 130
110-82-7	Cyclohexane	50 ug/Kg	52.5	105	70 - 130
79-20-9	Methyl Acetate	50 ug/Kg	50.3	101	70 - 130
76-13-1	Trichlorotrifluoroethane	50 ug/Kg	53.3	107	70 - 130
541-73-1	1,3-Dichlorobenzene	50 ug/Kg	49.3	99	75 - 131
106-46-7	1,4-Dichlorobenzene	50 ug/Kg	46.1	92	69 - 136
95-50-1	1,2-Dichlorobenzene	50 ug/Kg	48.6	97	73 - 129
75-35-4	1,1-Dichloroethene	50 ug/Kg	50.2	100	70 - 131
71-43-2	Benzene	50 ug/Kg	50.5	101	77 - 126
79-01-6	Trichloroethene	50 ug/Kg	50.6	101	70 - 124
108-88-3	Toluene	50 ug/Kg	48.8	98	76 - 124
108-90-7	Chlorobenzene	50 ug/Kg	48.7	97	80 - 121

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46325

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R5644 Lab Sample ID: 46325

Date Analyzed: 06/20/02 Time Analyzed: 1838

GC Column: DB-624-30MID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: MSV0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	46326	46326	R5641	1714
02	46525	46525	R5642	1737
03	046-TB-W	20206200203	R5650	2147
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46406

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R7866 Lab Sample ID: 46406

Date Analyzed: 06/20/02 Time Analyzed: 1106

GC Column: DB-624-M ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSV4

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	46407	46407	R7864	1004
02	46408	46408	R7865	1031
03	046-BF-S	20206200201	R7867	1212
04	046-RB-S	20206200202	R7868	1239
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R7728 BFB Injection Date: 06/14/02

Instrument ID: MSV4 BFB Injection Time: 1237

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	39.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	82.3
175	5.0 - 9.0% of mass 174	5.9 (7.1)1
176	95.0 - 101.0% of mass 174	80.0 (97.2)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V4STD020	V4STD020	R7731	06/14/02	1410
02	V4STD050	V4STD050	R7732	06/14/02	1437
03	V4STD100	V4STD100	R7733	06/14/02	1504
04	V4STD200	V4STD200	R7734	06/14/02	1531
05	V4STD005	V4STD005	R7736	06/14/02	1625
06	V2ICV050	V2ICV050	R7737	06/14/02	1703
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R5621 BFB Injection Date: 06/20/02

Instrument ID: MSV0 BFB Injection Time: 0721

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.3 (7.6)1
176	95.0 - 101.0% of mass 174	68.4 (98.0)1
177	5.0 - 9.0% of mass 176	4.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD00.2	V0STD00.2	R5626	06/20/02	1029
02	V0STD00.4	V0STD00.4	R5627	06/20/02	1053
03	V0STD002	V0STD002	R5628	06/20/02	1117
04	V0STD050	V0STD050	R5630	06/20/02	1209
05	V0STD100	V0STD100	R5631	06/20/02	1232
06	V0STD200	V0STD200	R5632	06/20/02	1255
07	V0STD020	V0STD020	R5634	06/20/02	1345
08	V0STD005	V0STD005	R5636	06/20/02	1438
09	V1ICV050	V1ICV050	R5637	06/20/02	1500
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R7862 BFB Injection Date: 06/20/02

Instrument ID: MSV4 BFB Injection Time: 0832

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	40.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	80.3
175	5.0 - 9.0% of mass 174	5.5 (6.9)1
176	95.0 - 101.0% of mass 174	77.6 (96.6)1
177	5.0 - 9.0% of mass 176	5.3 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V4STD050	V4STD050	R7863	06/20/02	0906
02	46407	46407	R7864	06/20/02	1004
03	46408	46408	R7865	06/20/02	1031
04	46406	46406	R7866	06/20/02	1106
05	046-BF-S	20206200201	R7867	06/20/02	1212
06	046-RB-S	20206200202	R7868	06/20/02	1239
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: R5639 BFB Injection Date: 06/20/02

Instrument ID: MSV0 BFB Injection Time: 1613

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 99.9% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.9 (7.4)1
176	95.0 - 101.0% of mass 174	64.5 (96.8)1
177	5.0 - 9.0% of mass 176	4.4 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V0STD050	V0STD050	R5640	06/20/02	1652
02	46326	46326	R5641	06/20/02	1714
03	46525	46525	R5642	06/20/02	1737
04	46325	46325	R5644	06/20/02	1838
05	046-TB-W	20206200203	R5650	06/20/02	2147
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID (Standard): R7863 Date Analyzed: 06/20/02

Instrument ID: MSV4 Time Analyzed: 0906

GC Column: DB-624-M ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2 AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	285645	9.15	825575	6.85	207016	11.05
	UPPER LIMIT	571290	9.65	1651150	7.35	414032	11.55
	LOWER LIMIT	142822	8.65	412788	6.35	103508	10.55
	EPA SAMPLE NO.						
01	46407	280150	9.15	815704	6.85	204330	11.05
02	46408	248830	9.15	731868	6.85	181163	11.05
03	46406	223704	9.15	680858	6.85	147928	11.05
04	046-BF-S	271592	9.15	818442	6.85	178268	11.06
05	046-RB-S	254629	9.15	768005	6.85	172811	11.05
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 = FLUOROBENZENE
IS3 (DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID (Standard): R5640 Date Analyzed: 06/20/02

Instrument ID: MSV0 Time Analyzed: 1652

GC Column: DB-624-30M ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	6768950	5.83	2842429	8.07	1339267	9.66
	UPPER LIMIT	13537900	6.33	5684858	8.57	2678534	10.16
	LOWER LIMIT	3384475	5.33	1421214	7.57	669634	9.16
	EPA SAMPLE NO.						
01	46326	5960778	5.83	2769937	8.07	1597378	9.66
02	46525	6490182	5.83	2810612	8.07	1538361	9.67
03	46325	6112660	5.83	2733071	8.07	1630745	9.67
04	046-TB-W	5513784	5.83	2527498	8.08	1445185	9.66
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = FLUOROBENZENE
IS2 (CBZ) = CHLOROBENZENE-d5
IS3 (DCB) = 1,4-DICHLOROBENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:12	RJO	145848

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
71-55-6	1,1,1-Trichloroethane	ND	5.81	0.302	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.81	0.325	ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	5.81	0.244	ug/Kg
75-34-3	1,1-Dichloroethane	ND	5.81	0.290	ug/Kg
75-35-4	1,1-Dichloroethene	ND	5.81	0.314	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.81	0.406	ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.81	0.441	ug/Kg
106-93-4	1,2-Dibromoethane	ND	5.81	0.186	ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	5.81	0.662	ug/Kg
107-06-2	1,2-Dichloroethane	ND	5.81	0.244	ug/Kg
78-87-5	1,2-Dichloropropane	ND	5.81	0.267	ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	5.81	0.476	ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	5.81	0.244	ug/Kg
78-93-3	2-Butanone	ND	29.0	0.662	ug/Kg
591-78-6	2-Hexanone	ND	5.81	0.685	ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	5.81	0.232	ug/Kg
67-64-1	Acetone	ND	29.0	1.38	ug/Kg
71-43-2	Benzene	ND	5.81	0.256	ug/Kg
75-27-4	Bromodichloromethane	ND	5.81	0.197	ug/Kg
75-25-2	Bromoform	ND	5.81	0.244	ug/Kg
74-83-9	Bromomethane	ND	5.81	0.441	ug/Kg
75-15-0	Carbon disulfide	ND	5.81	0.221	ug/Kg
56-23-5	Carbon tetrachloride	ND	5.81	0.279	ug/Kg
108-90-7	Chlorobenzene	ND	5.81	0.267	ug/Kg
75-00-3	Chloroethane	ND	5.81	0.325	ug/Kg
67-66-3	Chloroform	ND	5.81	0.221	ug/Kg
74-87-3	Chloromethane	ND	5.81	0.232	ug/Kg
110-82-7	Cyclohexane	ND	5.81	1.16	ug/Kg
124-48-1	Dibromochloromethane	ND	5.81	0.244	ug/Kg
75-71-8	Dichlorodifluoromethane	ND	5.81	0.232	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.81	0.186	ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.81	0.163	ug/Kg
100-41-4	Ethylbenzene	ND	5.81	0.279	ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.81	1.16	ug/Kg
79-20-9	Methyl Acetate	ND	5810	1.16	ug/Kg
108-87-2	Methylcyclohexane	ND	5810	1.16	ug/Kg
75-09-2	Methylene chloride	ND	11.6	3.83	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:12	RJO	145848

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
100-42-5	Styrene	ND	5.81	0.279	ug/Kg
127-18-4	Tetrachloroethene	ND	5.81	0.406	ug/Kg
108-88-3	Toluene	ND	5.81	0.163	ug/Kg
79-01-6	Trichloroethene	ND	5.81	0.348	ug/Kg
75-69-4	Trichlorofluoromethane	ND	5.81	0.197	ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	5.81	1.16	ug/Kg
75-01-4	Vinyl chloride	ND	2.32	0.290	ug/Kg
1330-20-7	Xylene (total)	ND	11.6	0.755	ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	5.81	0.302	ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.81	0.186	ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	5.81	0.267	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	50	51.5 ug/Kg	103	73 - 138
1868-53-7	Dibromofluoromethane	50	51.2 ug/Kg	102	70 - 130
2037-26-5	Toluene d8	50	50.8 ug/Kg	102	65 - 128
17060-07-0	1,2-Dichloroethane-d4	50	51.9 ug/Kg	104	60 - 140

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:12	RJO	146061

CAS #	TENTATIVELY IDENTIFIED COMP	RETENTION	RESULT	PQL	MDL	UNITS
	|No tics detected					ug/Kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7867.d
Lab Smp Id: 20206200201 Client Smp ID: 046-BF-S
Inj Date : 20-JUN-2002 12:12
Operator : RJO Inst ID: msv4.i
Smp Info : 20206200201*046-BF-S-0619-02
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
13 Methylene Chloride	49	4.687	4.684	(0.684)	24289	3.25084	3.25
$ 27 Dibromofluoromethane	111	6.297	6.290	(0.919)	173888	51.2148	51.2
$ 32 1,2-Dichloroethane-d4	67	6.584	6.578	(0.961)	89977	51.8592	51.8
* 35 FLUOROBENZENE	96	6.853	6.848	(1.000)	818442	50.0000	
$ 44 Toluene-d8	98	8.060	8.057	(0.881)	701950	50.8086	50.8
* 53 Chlorobenzene-d5	82	9.149	9.148	(1.000)	271592	50.0000	
$ 62 Bromofluorobenzene	174	10.063	10.053	(1.100)	160032	51.4792	51.5
* 77 1,4-DICHLOROBENZENE-D4	152	11.058	11.048	(1.000)	178268	50.0000	

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7867.d
Lab Smp Id: 20206200201 Client Smp ID: 046-BF-S
Inj Date : 20-JUN-2002 12:12
Operator : RJO Inst ID: msv4.i
Smp Info : 20206200201*046-BF-S-0619-02
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

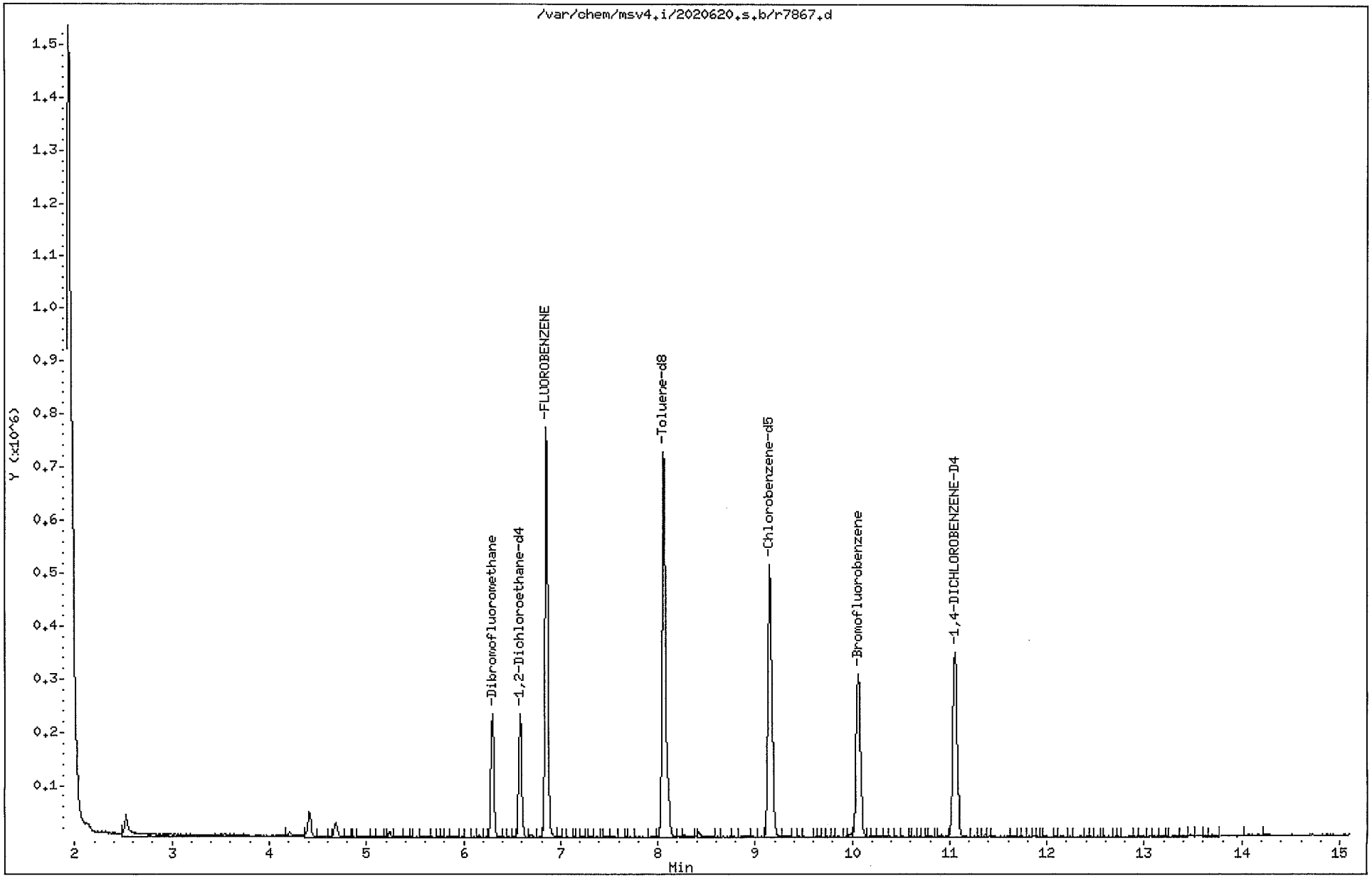
000026

Data File: /var/chem/msv4.i/2020620.s.b/r7867.d
Date : 20-JUN-2002 12:12
Client ID: 046-BF-S
Sample Info: 20206200201*046-BF-S-0619-02

Column phase: DB-624-M

Instrument: msv4.i

Operator: RJO
Column diameter: 0.53



Data File: /var/chem/msv4.i/2020620.s.b/r7867.d

Date : 20-JUN-2002 12:12

Client ID: 046-BF-S

Instrument: msv4.i

Sample Info: 202062002 01*046-BF-S-0619-02

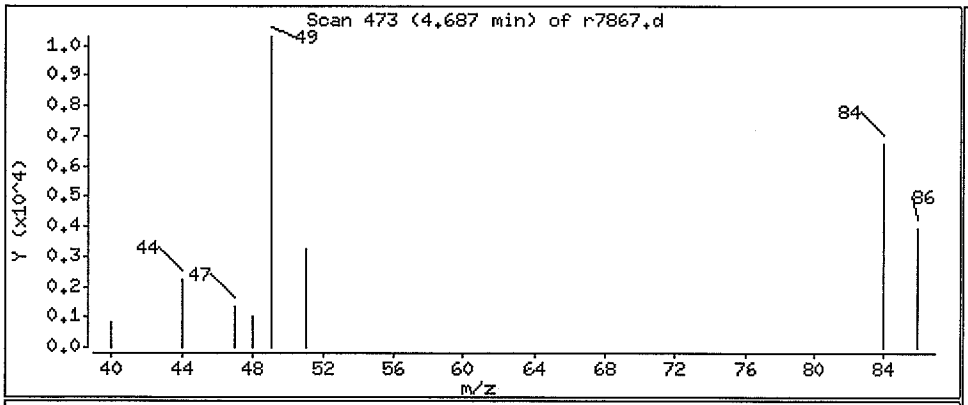
Operator: RJO

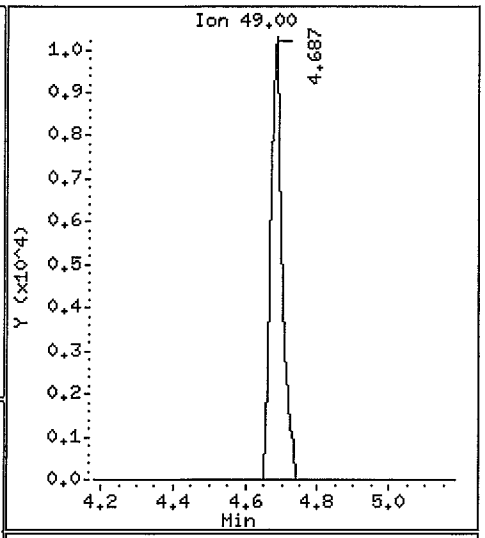
Column phase: DB-624-M

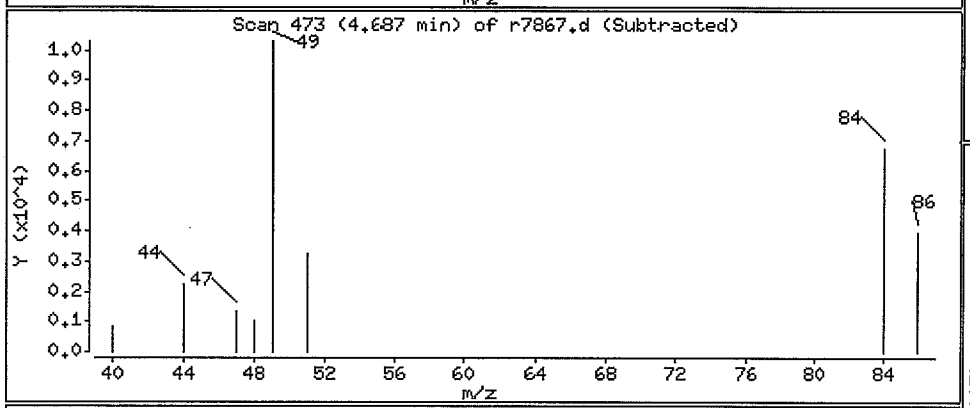
Column diameter: 0.53

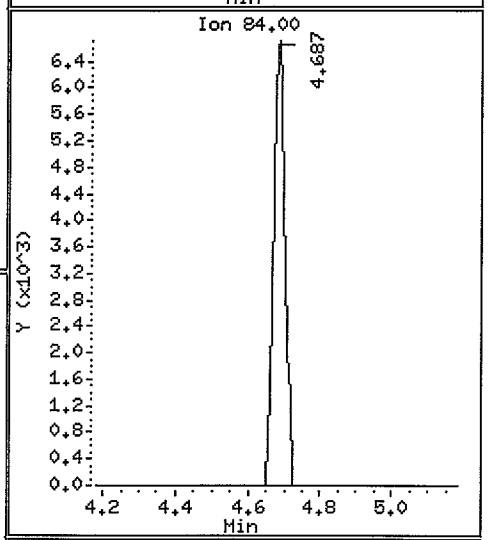
13 Methylene Chloride

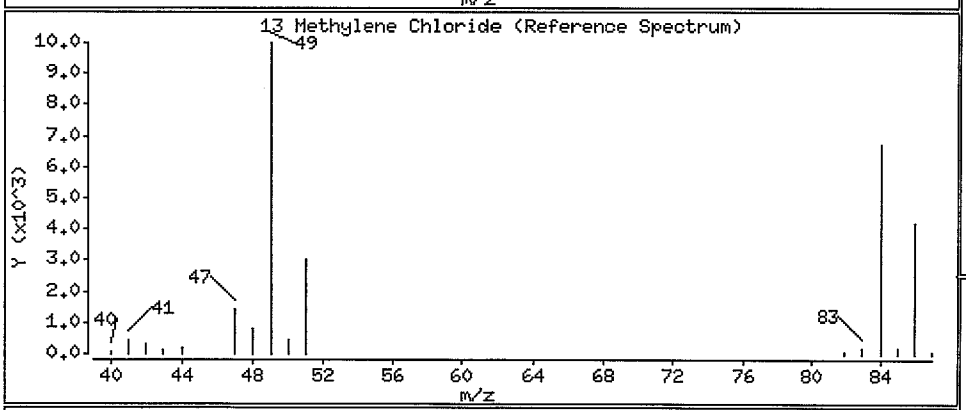
Concentration: 3.25 ug/Kg

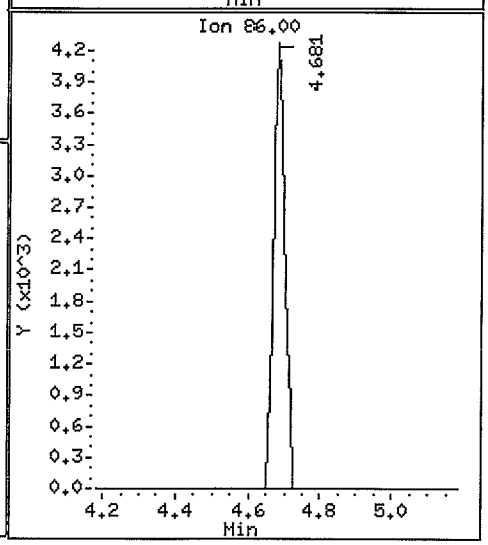


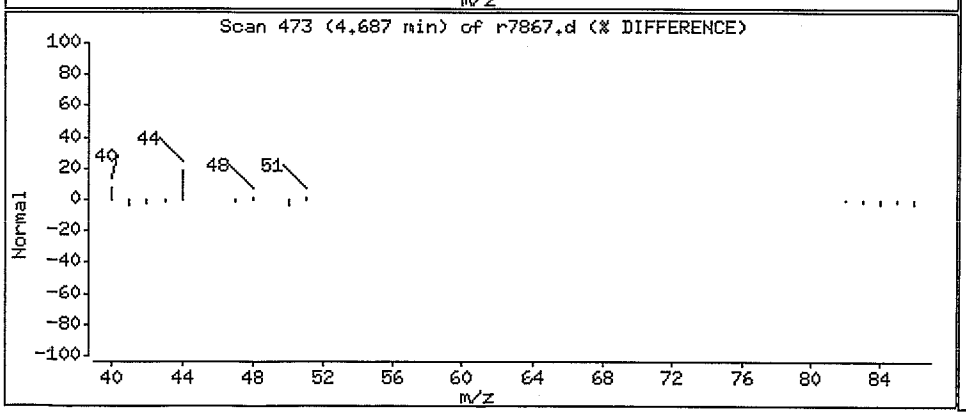












GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:39	RJO	145848

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
71-55-6	1,1,1-Trichloroethane	ND	5.48	0.285	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.48	0.307	ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	5.48	0.230	ug/Kg
75-34-3	1,1-Dichloroethane	ND	5.48	0.274	ug/Kg
75-35-4	1,1-Dichloroethene	ND	5.48	0.296	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.48	0.384	ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.48	0.417	ug/Kg
106-93-4	1,2-Dibromoethane	ND	5.48	0.175	ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	5.48	0.625	ug/Kg
107-06-2	1,2-Dichloroethane	ND	5.48	0.230	ug/Kg
78-87-5	1,2-Dichloropropane	ND	5.48	0.252	ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	5.48	0.449	ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	5.48	0.230	ug/Kg
78-93-3	2-Butanone	ND	27.4	0.625	ug/Kg
591-78-6	2-Hexanone	ND	5.48	0.647	ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	5.48	0.219	ug/Kg
67-64-1	Acetone	ND	27.4	1.30	ug/Kg
71-43-2	Benzene	ND	5.48	0.241	ug/Kg
75-27-4	Bromodichloromethane	ND	5.48	0.186	ug/Kg
75-25-2	Bromoform	ND	5.48	0.230	ug/Kg
74-83-9	Bromomethane	ND	5.48	0.417	ug/Kg
75-15-0	Carbon disulfide	ND	5.48	0.208	ug/Kg
56-23-5	Carbon tetrachloride	ND	5.48	0.263	ug/Kg
108-90-7	Chlorobenzene	ND	5.48	0.252	ug/Kg
75-00-3	Chloroethane	ND	5.48	0.307	ug/Kg
67-66-3	Chloroform	ND	5.48	0.208	ug/Kg
74-87-3	Chloromethane	ND	5.48	0.219	ug/Kg
110-82-7	Cyclohexane	ND	5.48	1.10	ug/Kg
124-48-1	Dibromochloromethane	ND	5.48	0.230	ug/Kg
75-71-8	Dichlorodifluoromethane	ND	5.48	0.219	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.48	0.175	ug/Kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.48	0.153	ug/Kg
100-41-4	Ethylbenzene	ND	5.48	0.263	ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.48	1.10	ug/Kg
79-20-9	Methyl Acetate	ND	5480	1.10	ug/Kg
108-87-2	Methylcyclohexane	ND	5480	1.10	ug/Kg
75-09-2	Methylene chloride	ND	11.0	3.62	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:39	RJO	145848

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
100-42-5	Styrene	ND	5.48	0.263	ug/Kg
127-18-4	Tetrachloroethene	ND	5.48	0.384	ug/Kg
108-88-3	Toluene	ND	5.48	0.153	ug/Kg
79-01-6	Trichloroethene	ND	5.48	0.329	ug/Kg
75-69-4	Trichlorofluoromethane	ND	5.48	0.186	ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	5.48	1.10	ug/Kg
75-01-4	Vinyl chloride	ND	2.19	0.274	ug/Kg
1330-20-7	Xylene (total)	ND	11.0	0.713	ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	5.48	0.285	ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.48	0.175	ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	5.48	0.252	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	50	51.4 ug/Kg	103	73 - 138
1868-53-7	Dibromofluoromethane	50	50.1 ug/Kg	100	70 - 130
2037-26-5	Toluene d8	50	51.3 ug/Kg	103	65 - 128
17060-07-0	1,2-Dichloroethane-d4	50	51.3 ug/Kg	103	60 - 140

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 12:39	RJO	146061

CAS #	TENTATIVELY IDENTIFIED COMP	RETENTION	RESULT	PQL	MDL	UNITS
	|No tics detected					ug/Kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7868.d
Lab Smp Id: 20206200202 Client Smp ID: 046-RB-S
Inj Date : 20-JUN-2002 12:39
Operator : RJO Inst ID: msv4.i
Smp Info : 20206200202*046-RB-S-0619-02
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
13 Methylene Chloride	49	4.681	4.684	(0.683)	22088	3.15041	3.15(H)
$ 27 Dibromofluoromethane	111	6.296	6.290	(0.919)	159621	50.1002	50.1
$ 32 1,2-Dichloroethane-d4	67	6.583	6.578	(0.961)	83526	51.3027	51.3
* 35 FLUOROBENZENE	96	6.853	6.848	(1.000)	768005	50.0000	
$ 44 Toluene-d8	98	8.059	8.057	(0.880)	664662	51.3146	51.3
* 53 Chlorobenzene-d5	82	9.155	9.148	(1.000)	254629	50.0000	
$ 62 Bromofluorobenzene	174	10.062	10.053	(1.099)	149850	51.4151	51.4
* 77 1,4-DICHLOROBENZENE-D4	152	11.052	11.048	(1.000)	172811	50.0000	

QC Flag Legend

H - Operator selected an alternate compound hit.

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7868.d
Lab Smp Id: 20206200202 Client Smp ID: 046-RB-S
Inj Date : 20-JUN-2002 12:39
Operator : RJO Inst ID: msv4.i
Smp Info : 20206200202*046-RB-S-0619-02
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

000033

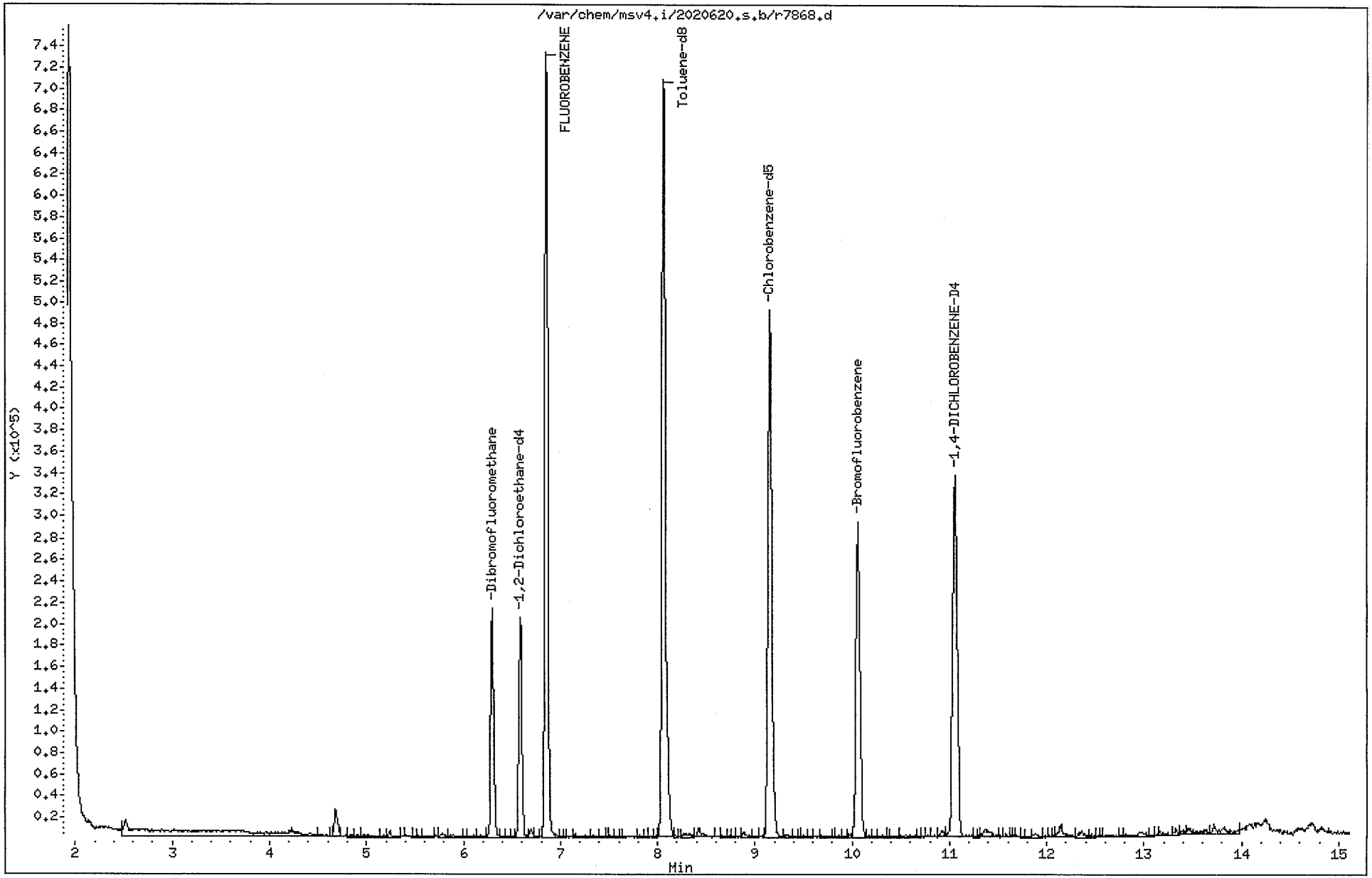
Data File: /var/chem/msv4.i/2020620.s.b/r7868.d
Date : 20-JUN-2002 12:39
Client ID: 046-RB-S
Sample Info: 20206200202*046-RB-S-0619-02

Instrument: msv4.i

Operator: RJO

Column phase: DB-624-M

Column diameter: 0.53



Data File: /var/chem/msv4.i/2020620.s.b/r7868.d

Date : 20-JUN-2002 12:39

Client ID: 046-RB-S

Instrument: msv4.i

Sample Info: 20206200202*046-RB-S-0619-02

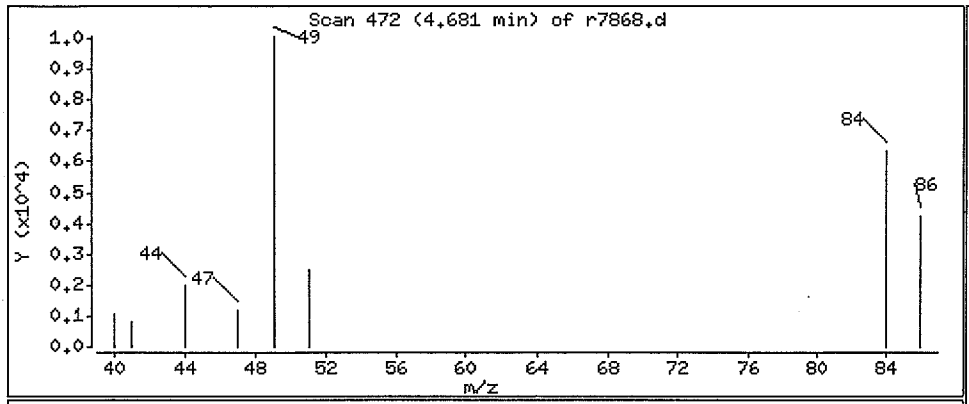
Operator: RJO

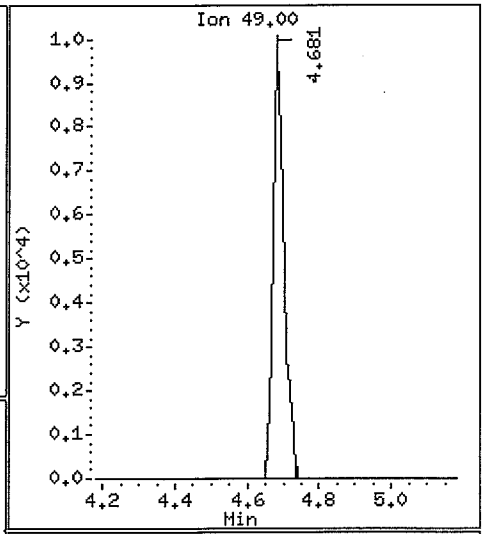
Column phase: DB-624-M

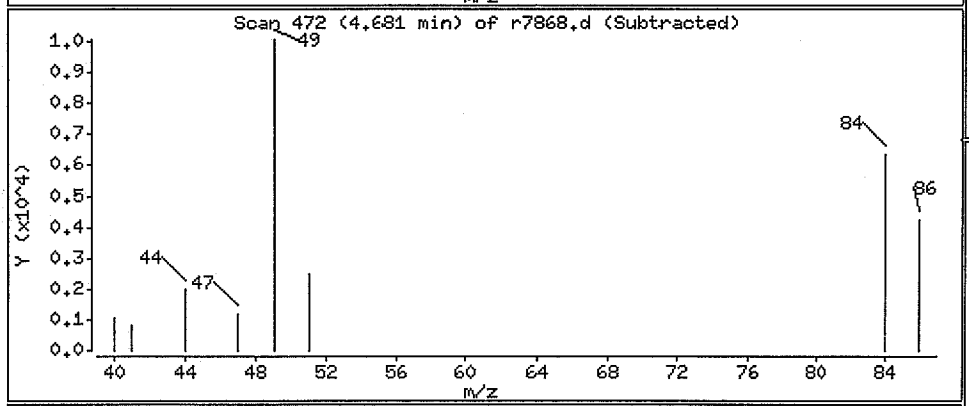
Column diameter: 0.53

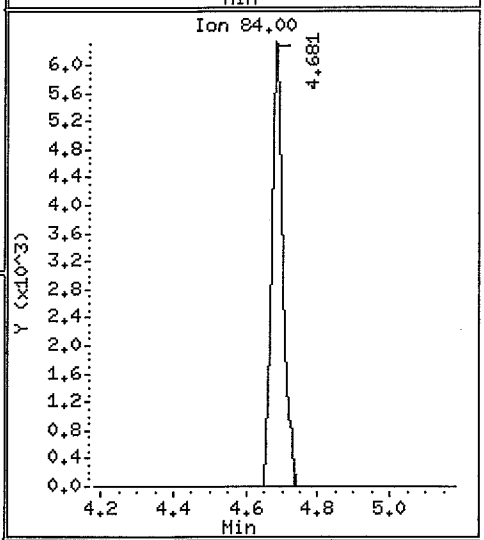
13 Methylene Chloride

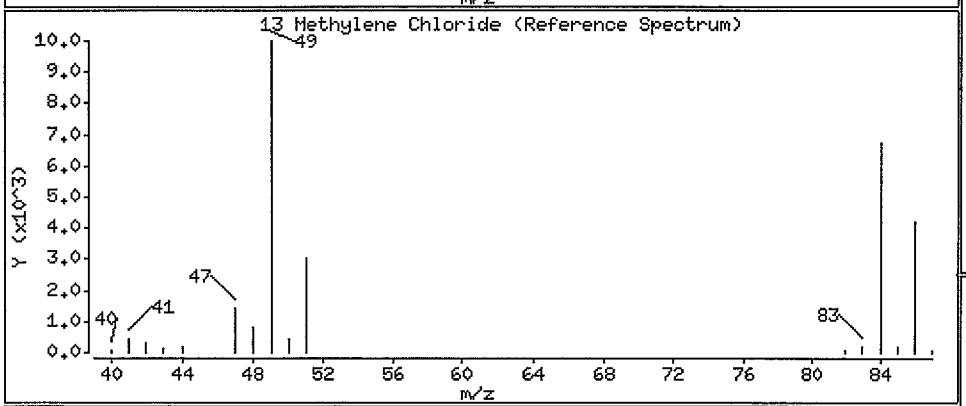
Concentration: 3.15 ug/Kg

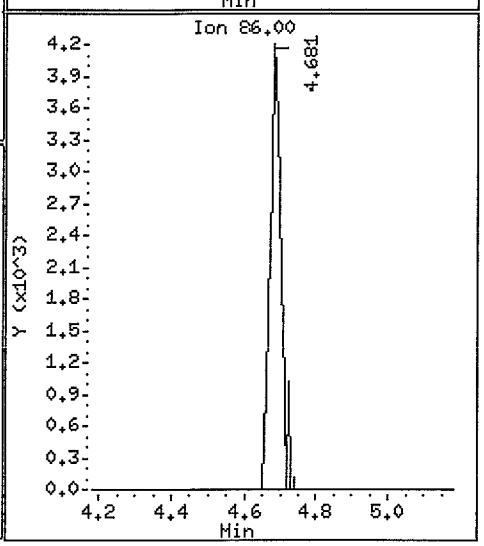


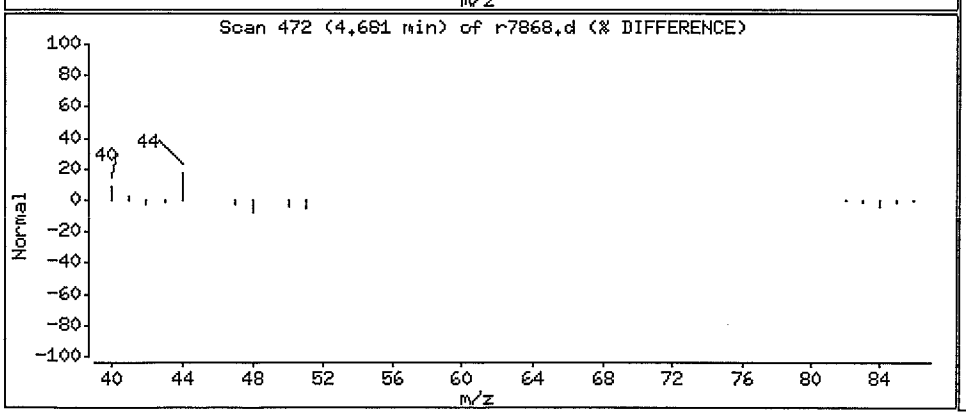












GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200203	046-TB-W-0619-02	Water	06/19/2002 00:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Water

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 21:47	RSP	145825

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
71-55-6	1,1,1-Trichloroethane	ND	5.00	0.848	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00	0.851	ug/L
75-34-3	1,1-Dichloroethane	ND	5.00	0.822	ug/L
75-35-4	1,1-Dichloroethene	ND	5.00	0.896	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00	0.367	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.200	0.200	ug/L
106-93-4	1,2-Dibromoethane	ND	0.200	0.200	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00	0.531	ug/L
107-06-2	1,2-Dichloroethane	ND	3.00	0.821	ug/L
78-87-5	1,2-Dichloropropane	ND	5.00	0.734	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00	0.686	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00	0.471	ug/L
78-93-3	2-Butanone	ND	10.0	0.817	ug/L
591-78-6	2-Hexanone	ND	10.0	0.833	ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0	0.820	ug/L
67-64-1	Acetone	ND	10.0	0.932	ug/L
71-43-2	Benzene	ND	1.00	0.836	ug/L
75-27-4	Bromodichloromethane	ND	0.600	0.600	ug/L
75-25-2	Bromoform	ND	4.00	0.742	ug/L
74-83-9	Bromomethane	ND	5.00	0.962	ug/L
75-15-0	Carbon disulfide	ND	5.00	0.764	ug/L
56-23-5	Carbon tetrachloride	ND	3.00	0.848	ug/L
108-90-7	Chlorobenzene	ND	5.00	0.713	ug/L
75-00-3	Chloroethane	ND	5.00	0.820	ug/L
67-66-3	Chloroform	ND	5.00	0.919	ug/L
74-87-3	Chloromethane	ND	2.70	0.823	ug/L
110-82-7	Cyclohexane	ND	100	1.00	ug/L
124-48-1	Dibromochloromethane	ND	0.400	0.400	ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00	0.802	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	5.00	0.757	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	5.00	0.633	ug/L
100-41-4	Ethylbenzene	ND	5.00	0.690	ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00	0.558	ug/L
79-20-9	Methyl Acetate	ND	5.00	1.00	ug/L
108-87-2	Methylcyclohexane	ND	5.00	1.00	ug/L
75-09-2	Methylene chloride	2.69J	5.00	0.748	ug/L

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200203	046-TB-W-0619-02	Water	06/19/2002 00:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Water

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 21:47	RSP	145825

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
100-42-5	Styrene	ND	5.00	0.699	ug/L
127-18-4	Tetrachloroethene	ND	3.00	0.692	ug/L
108-88-3	Toluene	ND	5.00	0.678	ug/L
79-01-6	Trichloroethene	ND	3.00	0.989	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	0.926	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	0.480	ug/L
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L
1330-20-7	Xylene (total)	ND	5.00	2.24	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	0.751	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	0.531	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	0.735	ug/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
460-00-4	4-Bromofluorobenzene	50	43.4 ug/L	87	78 - 115
1868-53-7	Dibromofluoromethane	50	53 ug/L	106	70 - 130
2037-26-5	Toluene d8	50	50.5 ug/L	101	83 - 112
17060-07-0	1,2-Dichloroethane-d4	50	52.6 ug/L	105	76 - 128

RESULTS REPORTED ON A WET WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200203	046-TB-W-0619-02	Water	06/19/2002 00:00	06/20/2002 09:05	06/27/2002 08:58

8260B, VOA , Water

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 21:47	RSP	146062

CAS #	TENTATIVELY IDENTIFIED COMP	RETENTION	RESULT	PQL	MDL	UNITS
	|No tics detected					ug/L

RESULTS REPORTED ON A WET WEIGHT BASIS

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5650.d
Lab Smp Id: 20206200203 Client Smp ID: 046-TB-W
Inj Date : 20-JUN-2002 21:47
Operator : RSP Inst ID: msv0.i
Smp Info : 20206200203*046-TB-W-0619-02
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
14 Methylene Chloride	49	3.685	3.668	(0.632)	78401	2.69063	2.69	(a)
$ 26 Dibromofluoromethane	111	5.287	5.283	(0.907)	1484754	53.0277	53.0	2389
$ 31 1,2-Dichloroethane-d4	67	5.565	5.561	(0.955)	831781	52.6434	52.6	
* 35 FLUOROBENZENE	96	5.829	5.833	(1.000)	5513784	50.0000		
$ 43 Toluene-d8	98	7.027	7.024	(0.870)	5785732	50.4665	50.5	
* 52 CHLOROBENZENE-d5	82	8.080	8.070	(1.000)	2527498	50.0000		
$ 61 Bromofluorobenzene	174	8.900	8.897	(0.921)	1273894	43.4254	43.4	
* 75 1,4-DICHLOROBENZENE-D4	152	9.662	9.665	(1.000)	1445185	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5650.d
Lab Smp Id: 20206200203 Client Smp ID: 046-TB-W
Inj Date : 20-JUN-2002 21:47
Operator : RSP Inst ID: msv0.i
Smp Info : 20206200203*046-TB-W-0619-02
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 25-Jun-2002 05:22 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

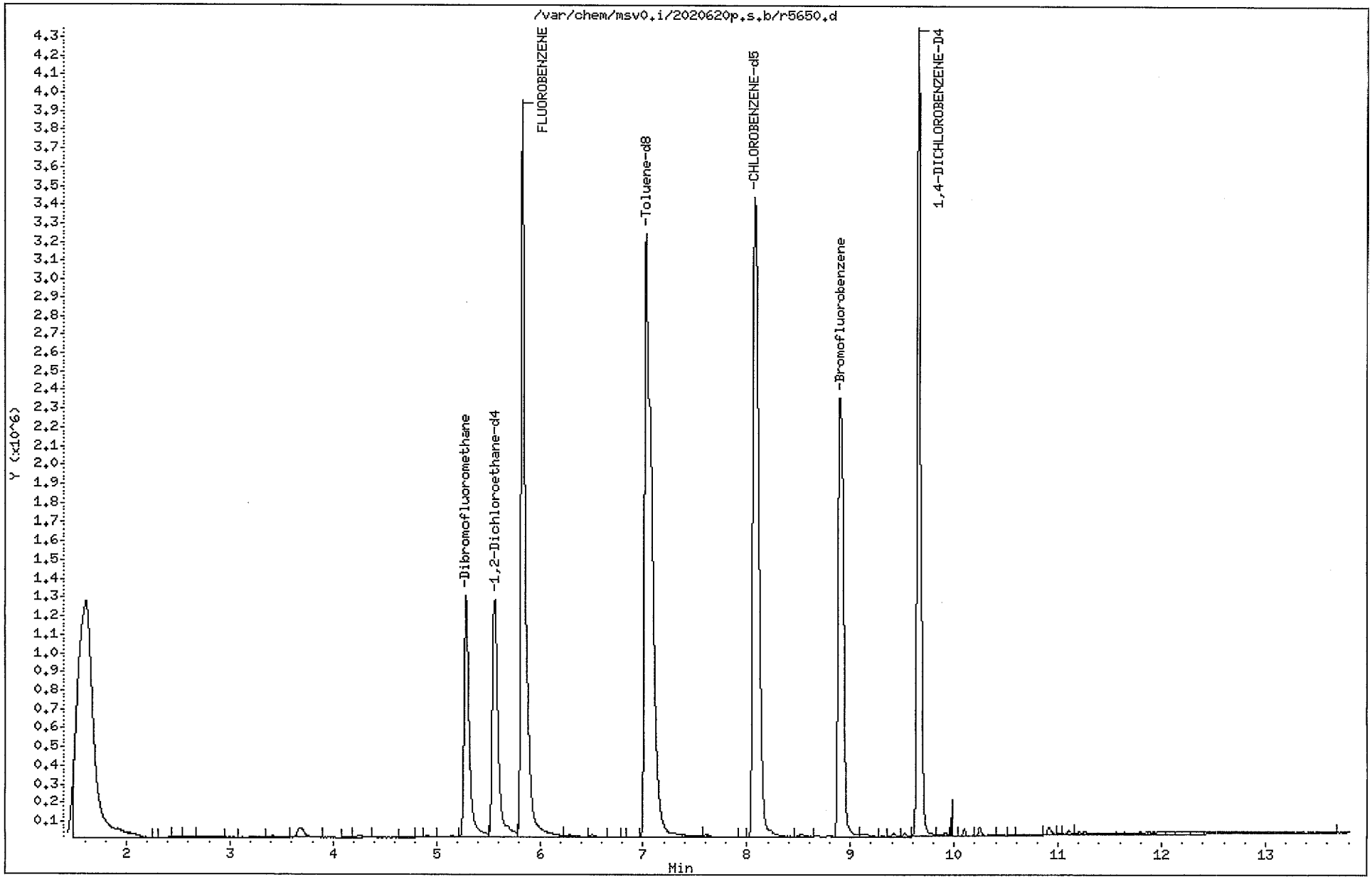
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

000040

Data File: /var/chem/msv0.i/2020620p.s.b/r5650.d
Date : 20-JUN-2002 21:47
Client ID: 046-TB-W
Sample Info: 20206200203*046-TB-W-0619-02
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RSP
Column diameter: 0.53



Data File: /var/chem/msv0.i/2020620p.s.b/r5650.d

Date : 20-JUN-2002 21:47

Client ID: 046-TB-W

Instrument: msv0.i

Sample Info: 20206200203*046-TB-W-0619-02

Purge Volume: 5.0

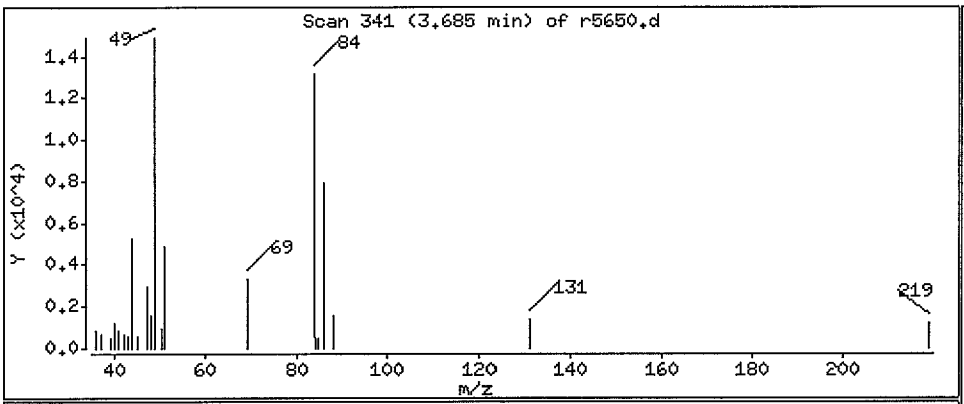
Operator: RSP

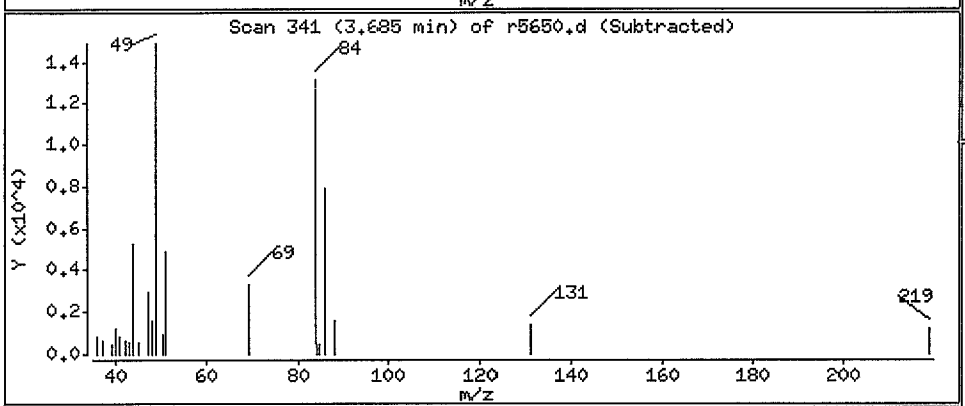
Column phase: DB-624-30M

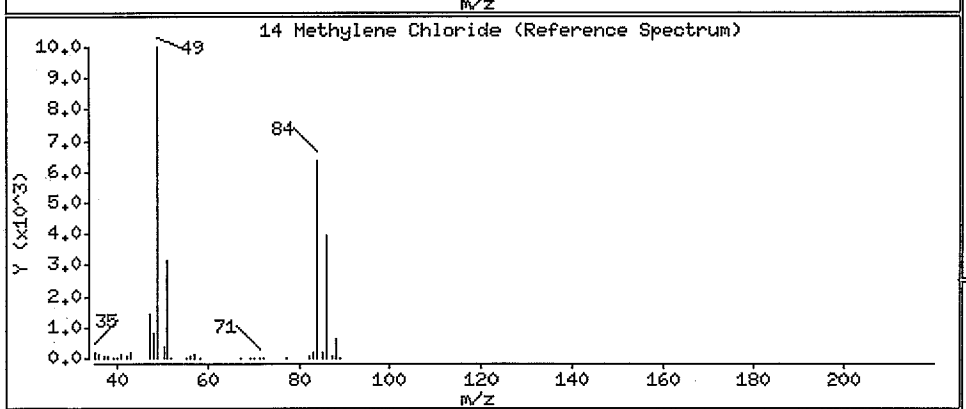
Column diameter: 0.53

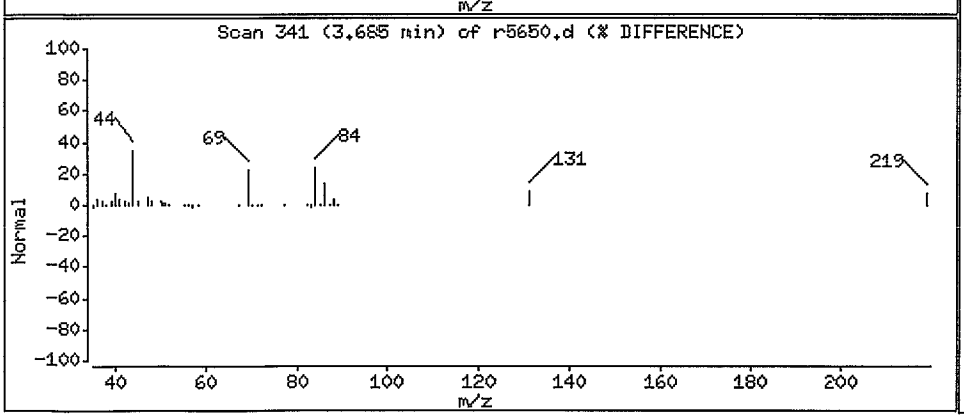
14 Methylene Chloride

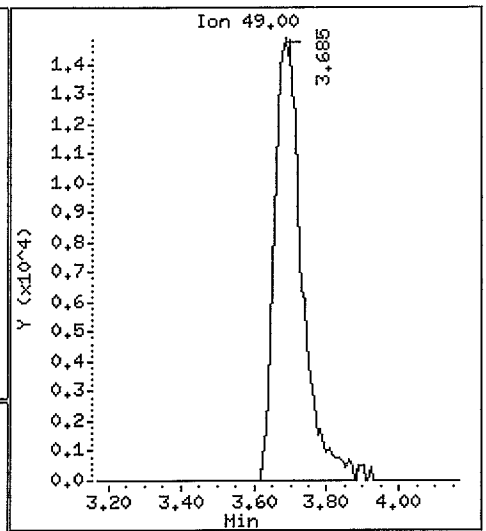
Concentration: 2.69 ug/L

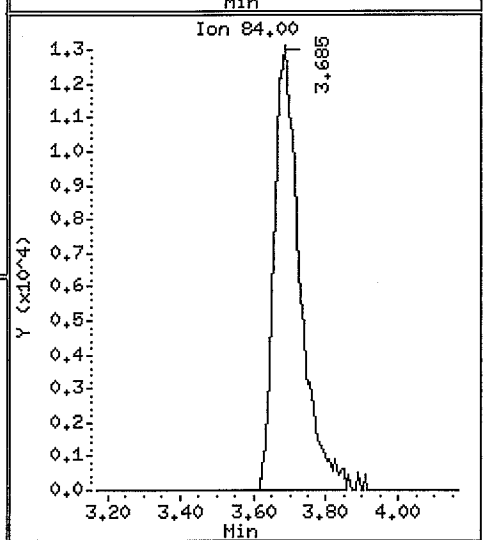


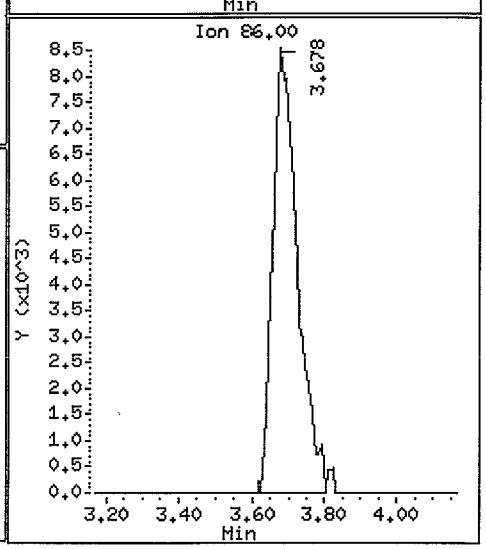












6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5636 RRF20 =R5634
RRF50 =R5630 RRF100=R5631 RRF200=R5632

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.109	0.119	0.130	0.130	0.131		*
Chloromethane ++ *	0.200	0.209	0.212	0.211	0.198		*
Vinyl Chloride + *	0.169	0.191	0.196	0.195	0.191		*
Bromomethane *	0.060	0.053	0.053	0.052	0.040		*
Chloroethane	0.059	0.062	0.055	0.060	0.047		
Trichlorofluoromethane *	0.220	0.249	0.273	0.271	0.276		*
Acrolein *	0.009	0.010	0.009	0.009	0.009		*
1,1-Dichloroethene + *	0.130	0.135	0.136	0.140	0.142		*
1,1,2Trichlorotrifluoroethan *	0.132	0.157	0.160	0.165	0.170		*
Acetone *	0.080	0.085	0.061	0.057	0.053		*
Methyl Iodide *	0.306	0.336	0.320	0.333	0.324		*
Carbon Disulfide *	0.486	0.527	0.526	0.548	0.539		*
Methylene Chloride *	0.341	0.254	0.257	0.243	0.227		*
Acrylonitrile *	0.074	0.082	0.069	0.064	0.065		*
trans-1,2-Dichloroethene *	0.251	0.260	0.258	0.254	0.243		*
MTBE *	0.628	0.666	0.620	0.599	0.579		*
1,1-Dichloroethane ++ *	0.360	0.357	0.358	0.356	0.349		*
Vinyl Acetate *	0.153	0.165	0.175	0.173	0.170		*
cis-1,2-Dichloroethene *	0.358	0.358	0.357	0.348	0.330		*
2,2-Dichloropropane *	0.304	0.317	0.322	0.309	0.306		*
2-Butanone *	0.123	0.126	0.108	0.093	0.092		*
Bromochloromethane *	0.139	0.142	0.133	0.132	0.134		*
Chloroform + *	0.474	0.420	0.413	0.395	0.389		*
1,1,1-Trichloroethane *	0.312	0.332	0.350	0.340	0.344		*
Total 1,2-Dichloroethene *	0.203	0.206	0.205	0.201	0.191		*
1,1-Dichloropropene *	0.266	0.276	0.289	0.281	0.285		*
Carbon Tetrachloride *	0.265	0.287	0.307	0.306	0.316		*
1,2-Dichloroethane *	0.366	0.358	0.358	0.333	0.310		*
Benzene *	0.899	0.930	0.928	0.892	0.830		*
Trichloroethene *	0.260	0.268	0.278	0.278	0.287		*
1,2-Dichloropropane + *	0.335	0.323	0.303	0.284	0.252		*
Dibromomethane *	0.185	0.187	0.177	0.165	0.163		*
Bromodichloromethane *	0.395	0.394	0.390	0.380	0.364		*
2-Chloroethyl vinyl ether *	0.216	0.237	0.219	0.194	0.167		*
cis-1,3-Dichloropropene *	0.512	0.520	0.494	0.488	0.465		*
4-methyl-2-pentanone *	0.350	0.376	0.329	0.304	0.301		*
Toluene + *	1.130	1.169	1.165	1.141	0.862		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5636 RRF20 =R5634
RRF50 =R5630 RRF100=R5631 RRF200=R5632

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
trans-1,3-Dichloropropene	*	0.512	0.520	0.494	0.488	0.465			*
1,1,2-Trichloroethane	*	0.286	0.290	0.265	0.252	0.247			*
1,3-Dichloropropane	*	0.516	0.518	0.492	0.456	0.409			*
Tetrachloroethene	*	0.179	0.198	0.203	0.206	0.215			*
2-Hexanone	*	0.554	0.561	0.488	0.442	0.504			*
Dibromochloromethane	*	0.641	0.669	0.635	0.642	0.754			*
1,2-Dibromoethane(EDB)	*	0.621	0.648	0.599	0.578	0.678			*
Chlorobenzene ++	*	1.758	1.768	1.700	1.711	1.773			*
1,1,1,2-Tetrachloroethane	*	0.582	0.601	0.584	0.589	0.657			*
Ethylbenzene +	*	0.749	0.829	0.804	0.784	0.943			*
p,m-Xylene	*	0.923	1.042	1.041	0.973	1.125			*
o-Xylene	*	0.852	0.971	0.960	0.878	1.052			*
Styrene	*	1.622	1.795	1.747	1.633	1.904			*
Bromoform ++	*	0.358	0.394	0.372	0.375	0.462			*
Isopropylbenzene	*	2.473	2.780	2.831	2.757	2.444			*
1,1,2,2-Tetrachloroethane++	*	1.754	1.449	1.278	1.558	1.359			*
trans-1,4-Dichloro-2-Butene	*	0.434	0.371	0.306	0.380	0.315			*
1,2,3-Trichloropropane	*	2.218	1.841	1.563	1.866	1.559			*
Bromobenzene	*	3.276	2.776	2.523	3.122	2.584			*
n-Propylbenzene	*	4.478	4.526	4.404	5.111	3.700			*
2-Chlorotoluene	*	3.447	3.276	2.846	3.139	2.911			*
1,3,5-Trimethylbenzene	*	4.856	4.511	4.336	5.496	3.783			*
4-Chlorotoluene	*	3.133	2.870	2.983	3.008	3.071			*
tert-butylbenzene	*	2.067	2.054	1.989	2.206	2.024			*
1,2,4-Trimethylbenzene	*	2.645	2.354	2.229	1.888	1.476			*
sec-Butylbenzene	*	4.040	4.239	4.230	4.547	3.202			*
p-Isopropyltoluene	*	2.702	2.849	2.847	2.592	2.289			*
1,3-Dichlorobenzene	*	1.769	1.541	1.568	1.605	1.628			*
1,4-Dichlorobenzene	*	1.720	1.888	1.769	1.847	1.847			*
TOTAL XYLENE	*	0.899	1.018	1.014	0.942	1.101			*
n-Butylbenzene	*	2.530	2.525	2.471	2.198	1.840			*
1,2-Dichlorobenzene	*	1.593	1.565	1.544	1.562	1.593			*
1,2-Dibromo-3-Chloropropane	*	0.268	0.249	0.215	0.266	0.267			*
1,2,4-Trichlorobenzene	*	1.025	0.855	0.699	0.818	0.688			*
Hexachlorobutadiene	*	0.533	0.541	0.523	0.609	0.626			*
Naphthalene	*	3.091	2.569	1.929	2.221	1.862			*
1,2,3-Trichlorobenzene	*	0.973	0.801	0.652	0.768	0.660			*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R5636 RRF20 =R5634
RRF50 =R5630 RRF100=R5631 RRF200=R5632

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Hexane *	0.258	0.274	0.290	0.288	0.287		*
Cyclohexane *	0.321	0.374	0.383	0.378	0.377		*
Methyl Acetate *	0.126	0.121	0.127	0.140	0.129		*
Methyl Cyclohexane *	0.395	0.459	0.470	0.456	0.437		*
Dibromofluoromethane *	0.270	0.262	0.256	0.244	0.236		*
1,2-Dichloroethane-d4 *	0.147	0.148	0.150	0.138	0.133		*
Toluene-d8 *	2.257	2.268	2.215	2.162	2.436		*
Bromofluorobenzene *	1.068	0.954	0.896	1.112	1.044		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5628 RRF0.4=R5627 RRF0.2=R5626

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *						0.124	7.8*
Chloromethane ++ *			0.258			0.215	10.3*
Vinyl Chloride + *			0.209	0.143	0.148	0.180	13.5*
Bromomethane *			0.091	0.052		0.057	28.2*
Chloroethane						0.057	10.5
Trichlorofluoromethane *						0.258	9.1*
Acrolein *						0.009	4.5*
1,1-Dichloroethene + *						0.137	3.5*
1,1,2Trichlorotrifluoroethan *						0.157	9.3*
Acetone *						0.067	21.6*
Methyl Iodide *						0.324	3.7*
Carbon Disulfide *						0.525	4.5*
Methylene Chloride *						0.264	16.8*
Acrylonitrile *						0.071	10.5*
trans-1,2-Dichloroethene *						0.253	2.6*
MTBE *						0.618	5.3*
1,1-Dichloroethane ++ *						0.356	1.1*
Vinyl Acetate *						0.167	5.2*
cis-1,2-Dichloroethene *						0.350	3.5*
2,2-Dichloropropane *						0.312	2.4*
2-Butanone *						0.108	14.8*
Bromochloromethane *						0.136	3.2*
Chloroform + *						0.418	8.0*
1,1,1-Trichloroethane *						0.336	4.3*
Total 1,2-Dichloroethene *			0.235			0.207	7.2*
1,1-Dichloropropene *						0.279	3.2*
Carbon Tetrachloride *			0.335			0.303	8.0*
1,2-Dichloroethane *			0.411			0.356	9.5*
Benzene *			1.060	0.945		0.926	7.6*
Trichloroethene *			0.287			0.276	3.9*
1,2-Dichloropropane + *						0.299	10.9*
Dibromomethane *						0.175	6.2*
Bromodichloromethane *			0.429		0.365	0.388	5.7*
2-Chloroethyl vinyl ether *						0.207	12.9*
cis-1,3-Dichloropropene *						0.496	4.4*
4-methyl-2-pentanone *						0.332	9.6*
Toluene + *			1.518			1.164	18.0*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5628 RRF0.4=R5627 RRF0.2=R5626

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
trans-1,3-Dichloropropene *						0.496	4.4*
1,1,2-Trichloroethane *						0.268	7.3*
1,3-Dichloropropane *						0.478	9.6*
Tetrachloroethene *			0.220			0.204	7.0*
2-Hexanone *						0.510	9.6*
Dibromochloromethane *			0.638		0.610	0.656	7.1*
1,2-Dibromoethane(EDB) *			0.637		0.713	0.639	7.2*
Chlorobenzene ++ *						1.742	2.0*
1,1,1,2-Tetrachloroethane *				0.558		0.595	5.6*
Ethylbenzene + *						0.822	9.0*
p,m-Xylene *						1.021	7.5*
o-Xylene *						0.943	8.4*
Styrene *						1.740	6.8*
Bromoform ++ *			0.348			0.385	10.7*
Isopropylbenzene *						2.657	6.9*
1,1,2,2-Tetrachloroethane++ *			1.238	1.354	2.106	1.512	19.3*
trans-1,4-Dichloro-2-Butene *			0.277			0.347	16.7*
1,2,3-Trichloropropane *						1.809	15.0*
Bromobenzene *						2.856	11.6*
n-Propylbenzene *						4.444	11.3*
2-Chlorotoluene *						3.124	8.0*
1,3,5-Trimethylbenzene *						4.596	13.8*
4-Chlorotoluene *						3.013	3.3*
tert-butylbenzene *						2.068	4.0*
1,2,4-Trimethylbenzene *						2.118	21.2*
sec-Butylbenzene *						4.052	12.6*
p-Isopropyltoluene *						2.656	8.7*
1,3-Dichlorobenzene *						1.622	5.5*
1,4-Dichlorobenzene *						1.814	3.8*
TOTAL XYLENE *						0.995	7.8*
n-Butylbenzene *						2.313	12.9*
1,2-Dichlorobenzene *						1.571	1.4*
1,2-Dibromo-3-Chloropropane *			0.172	0.169	0.481	0.261	37.6*
1,2,4-Trichlorobenzene *						0.817	16.8*
Hexachlorobutadiene *				0.484		0.553	9.8*
Naphthalene *						2.334	21.7*
1,2,3-Trichlorobenzene *						0.771	16.9*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Calibration Time(s): 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF150= RRF10 =
RRF2 =R5628 RRF0.4=R5627 RRF0.2=R5626

COMPOUND	RRF150	RRF10	RRF2	RRF0.4	RRF0.2	$\overline{RRF}$	% RSD
Hexane *						0.279	4.8*
Cyclohexane *						0.367	7.0*
Methyl Acetate *						0.129	5.3*
Methyl Cyclohexane *						0.443	6.7*
Dibromofluoromethane *						0.254	5.4*
1,2-Dichloroethane-d4 *						0.143	5.3*
Toluene-d8 *						2.268	4.5*
Bromofluorobenzene *						1.015	8.7*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Data File: /var/chem/msv0.i/2020620.s.b/r5621.d

Date : 20-JUN-2002 07:21

Client ID: 0620V0BFB01

Instrument: msv0.i

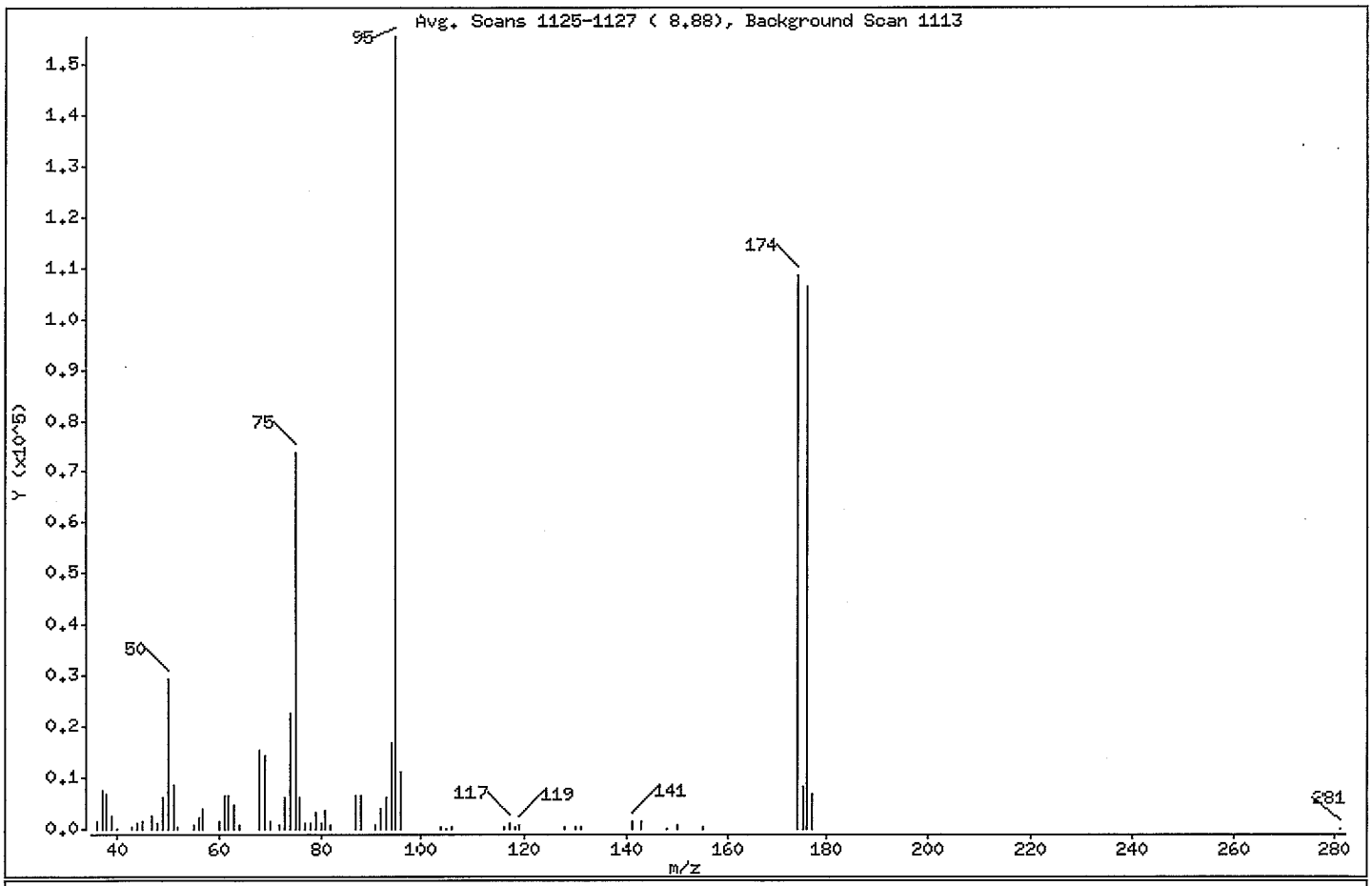
Sample Info: 0620V0BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.89
75	30.00 - 60.00% of mass 95	47.49
96	5.00 - 9.00% of mass 95	7.17
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.99% of mass 95	69.87
175	5.00 - 9.00% of mass 174	5.30 (7.58)
176	95.00 - 101.00% of mass 174	68.45 (97.96)
177	5.00 - 9.00% of mass 176	4.44 (6.49)

Data File: /var/chem/msv0.i/2020620.s.b/r5621.d

Date : 20-JUN-2002 07:21

Client ID: 0620V0BFB01

Instrument: msv0.i

Sample Info: 0620V0BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

Data File: r5621.d
Spectrum: Avg. Scans 1125-1127 (8.88), Background Scan 1113
Location of Maximum: 95.00
Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1598	60.00	1364	81.00	3757	128.00	524
37.00	7604	61.00	6501	82.00	719	130.00	468
38.00	6742	62.00	6574	87.00	6502	131.00	406
39.00	2677	63.00	4509	88.00	6476	141.00	1289
40.00	51	64.00	636	91.00	679	143.00	1267
43.00	274	68.00	15221	92.00	3891	148.00	149
44.00	1066	69.00	14394	93.00	5949	150.00	543
45.00	1563	70.00	1342	94.00	16720	155.00	296
47.00	2412	72.00	881	95.00	155392	174.00	108592
48.00	969	73.00	6048	96.00	11145	175.00	8232
49.00	5979	74.00	22576	104.00	529	176.00	106376
50.00	29360	75.00	73800	105.00	135	177.00	6904
51.00	8561	76.00	6245	106.00	503	281.00	144
52.00	522	77.00	1044	116.00	346		
55.00	538	78.00	979	117.00	911		
56.00	2175	79.00	3357	118.00	307		
57.00	3894	80.00	1052	119.00	690		

Data File: /var/chem/msv0.i/2020620.s.b/r5621.d

Date : 20-JUN-2002 07:21

Client ID: 0620V0BFB01

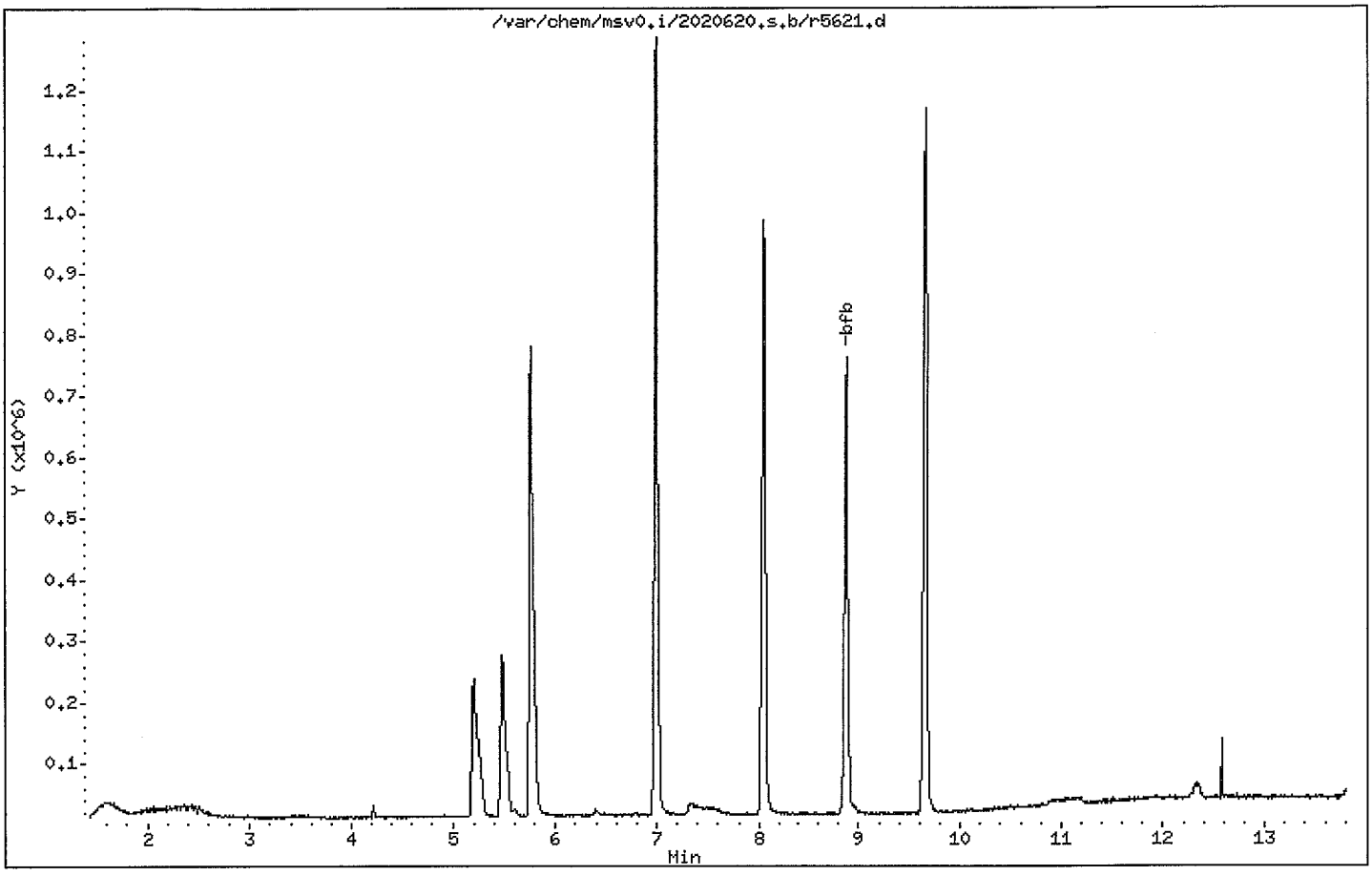
Instrument: msv0.i

Sample Info: 0620V0BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5626.d
Lab Smp Id: V0STD00.2 Client Smp ID: V0STD00.2
Inj Date : 20-JUN-2002 10:29
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD00.2*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 14:59 dlb Quant Type: ISTD
Cal Date : 20-JUN-2002 10:29 Cal File: r5626.d
Als bottle: 4 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
2 Chloromethane ++	50	1.892	1.892	(0.324)	9185	0.20000	0.457	(a)
3 Vinyl Chloride +	62	1.925	1.925	(0.330)	2768	0.20000	0.164	(aM)
11 Acetone	43	3.222	3.222	(0.553)	24574	0.20000	3.90	(a)
14 Methylene Chloride	49	3.672	3.672	(0.630)	147369	0.20000	5.95	(a)
15 Acrylonitrile	53	3.904	3.904	(0.670)	16678	0.20000	2.51	(a)
17 MTBE	73	3.977	3.977	(0.682)	13375	0.20000	0.231	3835(a)
20 Vinyl Acetate	43	4.248	4.248	(0.729)	33768	0.20000	2.15	(a)
23 2-Butanone	43	4.897	4.897	(0.840)	20816	0.20000	2.04	(a)
$ 26 Dibromofluoromethane	111	5.281	5.281	(0.906)	1245491	50.0000	52.3	2389
$ 31 1,2-Dichloroethane-d4	67	5.552	5.552	(0.952)	705835	50.0000	52.6	
* 35 FLUOROBENZENE	96	5.830	5.830	(1.000)	4686651	50.0000		
$ 43 Toluene-d8	98	7.021	7.021	(0.870)	5077554	50.0000	51.0	
* 52 CHLOROBENZENE-d5	82	8.067	8.067	(1.000)	2196562	50.0000		
$ 61 Bromofluorobenzene	174	8.888	8.888	(0.920)	1256495	50.0000	40.1	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
62 1,1,2,2-Tetrachloroethane++	83	8.954	8.954	(0.927)	13005	0.20000	0.279	(a)
* 75 1,4-DICHLOROBENZENE-D4	152	9.662	9.662	(1.000)	1543551	50.0000		
77 1,2-Dichlorobenzene	146	9.927	9.927	(1.027)	57471	0.20000	1.18	(a)
M 79 TOTAL XYLENE	106				46701	0.20000	1.07	(a)
80 1,2-Dibromo-3-Chloropropane	157	10.397	10.397	(1.076)	2969	0.20000	0.369	(a)
132 Methyl Cyclohexane	83	6.280	6.280	(1.077)	9210	0.20000	0.222	5188 (a)

QC Flag Legend

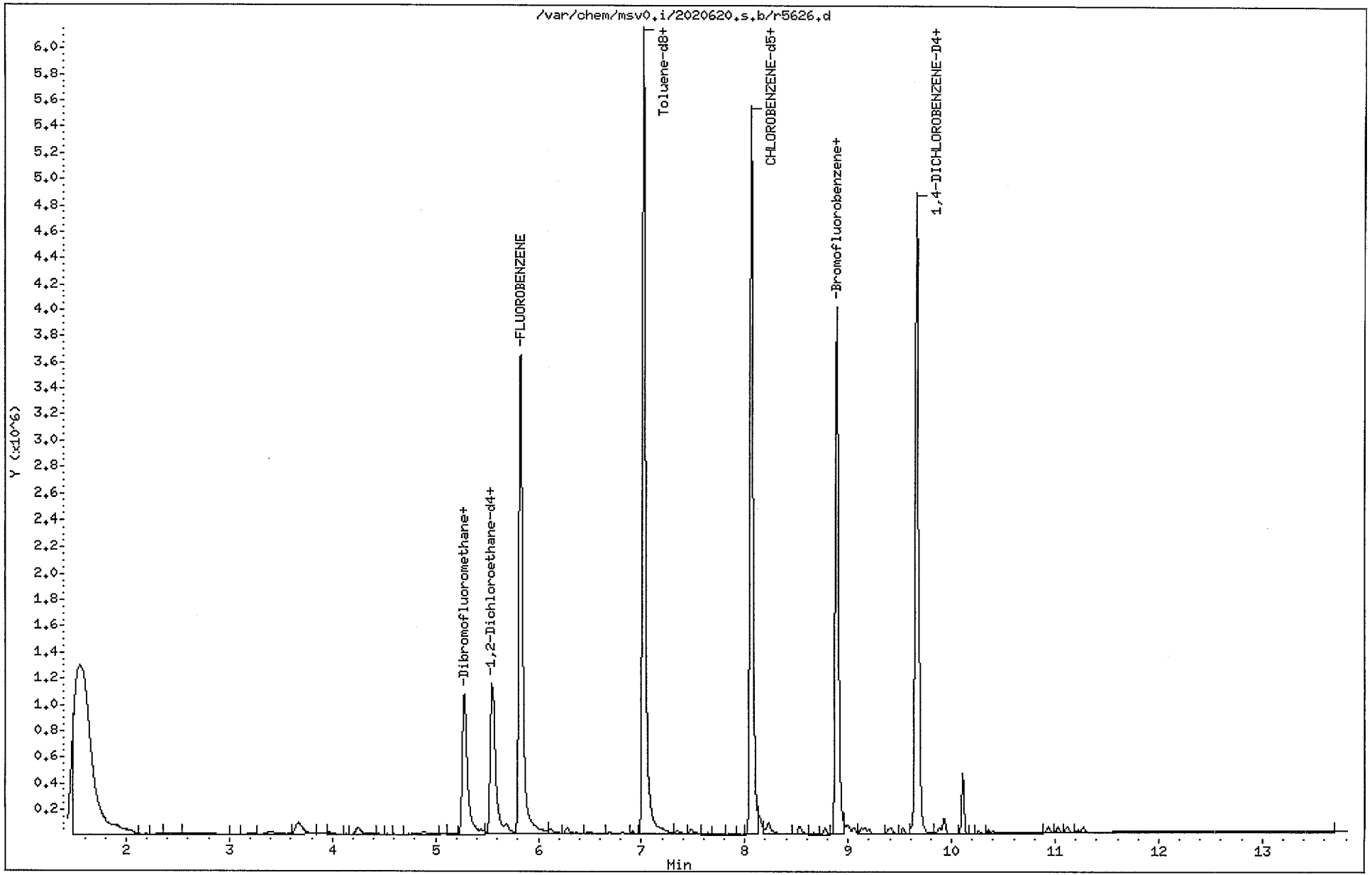
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

000053

Data File: /var/chem/msv0.i/2020620.s.b/r5626.d
Date : 20-JUN-2002 10:29
Client ID: V0STD00.2
Sample Info: V0STD00.2*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5627.d
Lab Smp Id: V0STD00.4 Client Smp ID: V0STD00.4
Inj Date : 20-JUN-2002 10:53
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD00.4*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 14:59 dlb Quant Type: ISTD
Cal Date : 20-JUN-2002 10:53 Cal File: r5627.d
Als bottle: 5 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
2 Chloromethane ++	50	1.863	1.863	(0.320)	15640	0.40000	0.609	(a)
3 Vinyl Chloride +	62	1.929	1.929	(0.331)	6845	0.40000	0.317	(aM)
5 Bromomethane	94	2.266	2.266	(0.389)	2496	0.40000	0.363	(aMH)
8 Acrolein	56	3.061	3.061	(0.525)	1179	0.40000	1.10	(a)
11 Acetone	43	3.213	3.213	(0.551)	27451	0.40000	3.41	(a)
14 Methylene Chloride	49	3.663	3.663	(0.629)	156778	0.40000	4.96	(a)
15 Acrylonitrile	53	3.901	3.901	(0.669)	17820	0.40000	2.10	(a)
17 MTBE	73	3.981	3.981	(0.683)	30114	0.40000	0.407	5945 (a)
20 Vinyl Acetate	43	4.246	4.246	(0.729)	28399	0.40000	1.42	(a)
23 2-Butanone	43	4.894	4.894	(0.840)	28584	0.40000	2.20	(a)
$ 26 Dibromofluoromethane	111	5.278	5.278	(0.906)	1616412	50.0000	53.2	3012
$ 31 1,2-Dichloroethane-d4	67	5.556	5.556	(0.953)	912004	50.0000	53.2	
* 35 FLUOROBENZENE	96	5.827	5.827	(1.000)	5986415	50.0000		
$ 43 Toluene-d8	98	7.019	7.019	(0.870)	6388630	50.0000	51.2	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
* 52 CHLOROBENZENE-d5	82	8.065	8.065	(1.000)	2753003	50.0000		
$ 61 Bromofluorobenzene	174	8.892	8.892	(0.920)	1660698	50.0000	40.5	
62 1,1,2,2-Tetrachloroethane++	83	8.951	8.951	(0.926)	21902	0.40000	0.358	(aM)
64 1,2,3-Trichloropropane	75	8.885	8.885	(0.919)	1209378	0.40000	16.5	
* 75 1,4-DICHLOROBENZENE-D4	152	9.666	9.666	(1.000)	2021584	50.0000		
77 1,2-Dichlorobenzene	146	9.931	9.931	(1.027)	107464	0.40000	1.69	(a)
M 79 TOTAL XYLENE	106				75925	0.40000	1.39	(a)
80 1,2-Dibromo-3-Chloropropane	157	10.401	10.401	(1.076)	2728	0.40000	0.259	(a)
132 Methyl Cyclohexane	83	6.277	6.277	(1.077)	18996	0.40000	0.358	5087 (a)
131 Methyl Acetate	43	3.577	3.577	(0.614)	3411	0.40000	0.221	2389 (a)

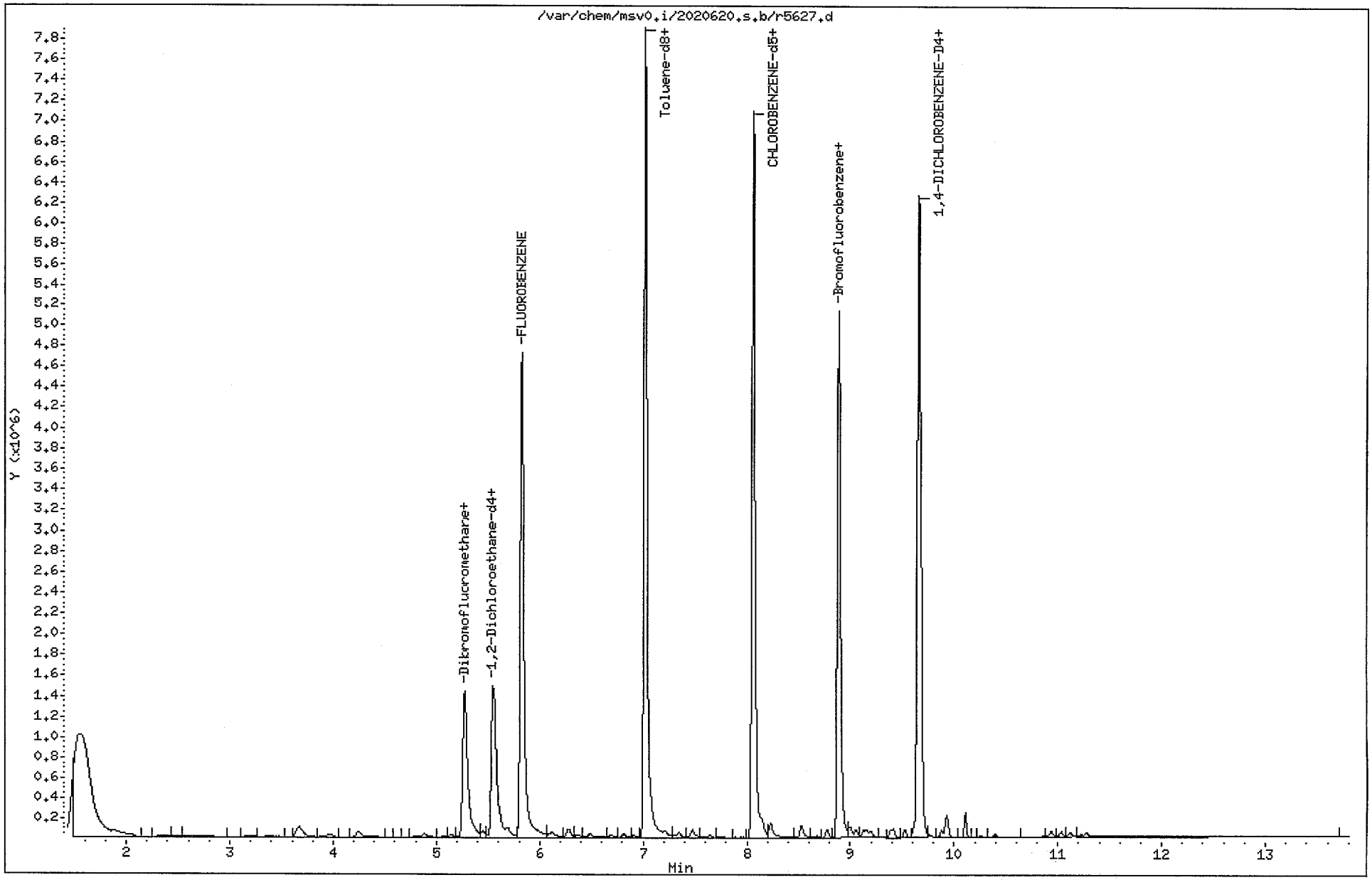
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000056

Data File: /var/chem/msv0.i/2020620.s.b/r5627.d
Date : 20-JUN-2002 10:53
Client ID: VOSTD00.4
Sample Info: VOSTD00.4*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5628.d
Lab Smp Id: V0STD002 Client Smp ID: V0STD002
Inj Date : 20-JUN-2002 11:17
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD002*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 14:59 dlb Quant Type: ISTD
Cal Date : 20-JUN-2002 11:17 Cal File: r5628.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.683	1.683	(0.289)	35236	2.00000	2.45	(a)
2 Chloromethane ++	50	1.842	1.842	(0.316)	60116	2.00000	2.41	(a)
3 Vinyl Chloride +	62	1.934	1.934	(0.332)	48773	2.00000	2.32	(a)
5 Bromomethane	94	2.245	2.245	(0.385)	21297	2.00000	3.18	(a)
6 Chloroethane	64	2.312	2.312	(0.397)	22344	2.00000	3.38	(a)
7 Trichlorofluoromethane	101	2.603	2.603	(0.447)	71680	2.00000	2.39	(a)
8 Acrolein	56	3.040	3.040	(0.522)	9479	2.00000	9.10	(a)
9 1,1-Dichloroethene +	96	3.152	3.152	(0.541)	34243	2.00000	2.15	(a)
10 1,1,2Trichlorotrifluoroethane	101	3.179	3.179	(0.546)	39925	2.00000	2.18	(a)
11 Acetone	43	3.212	3.212	(0.551)	49871	2.00000	6.37	(a)
12 Methyl Iodide	142	3.311	3.311	(0.568)	81194	2.00000	2.15	(a)
13 Carbon Disulfide	76	3.390	3.390	(0.582)	175546	2.00000	2.87	(aM)
14 Methylene Chloride	49	3.668	3.668	(0.630)	205061	2.00000	6.66	(a)
15 Acrylonitrile	53	3.900	3.900	(0.669)	91048	2.00000	11.0	(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.953	3.953	(0.678)	68672	2.00000	2.33	(a)
	17 MTBE	73	3.980	3.980	(0.683)	153249	2.00000	2.13	6874 (a)
	19 1,1-Dichloroethane ++	63	4.350	4.350	(0.747)	96594	2.00000	2.33	(a)
	20 Vinyl Acetate	43	4.244	4.244	(0.728)	45005	2.00000	2.31	(a)
	21 cis-1,2-Dichloroethene	61	4.873	4.873	(0.836)	95549	2.00000	2.34	(a)
	22 2,2-Dichloropropane	77	4.873	4.873	(0.836)	84022	2.00000	2.31	(a)
	23 2-Butanone	43	4.900	4.900	(0.841)	51441	2.00000	4.06	(a)
	24 Bromochloromethane	128	5.078	5.078	(0.872)	33276	2.00000	2.10	(a)
	25 Chloroform +	83	5.144	5.144	(0.883)	112022	2.00000	2.30	(a)
$	26 Dibromofluoromethane	111	5.277	5.277	(0.906)	1567928	50.0000	53.0	5654
	27 1,1,1-Trichloroethane	97	5.310	5.310	(0.911)	94168	2.00000	2.41	(a)
	29 1,1-Dichloropropene	75	5.449	5.449	(0.935)	76804	2.00000	2.36	(a)
	30 Carbon Tetrachloride	117	5.456	5.456	(0.936)	78019	2.00000	2.21	(a)
$	31 1,2-Dichloroethane-d4	67	5.555	5.555	(0.953)	881299	50.0000	52.8	
	32 1,2-Dichloroethane	62	5.614	5.614	(0.964)	95709	2.00000	2.31	(a)
	33 Benzene	78	5.614	5.614	(0.964)	247046	2.00000	2.29	(a)
M	34 Total 1,2-Dichloroethene	61				164221	6.00000	4.67	(a)
*	35 FLUOROBENZENE	96	5.826	5.826	(1.000)	5824209	50.0000		
	36 Trichloroethene	130	6.117	6.117	(1.050)	66833	2.00000	2.08	(a)
	37 1,2-Dichloropropane +	63	6.276	6.276	(1.077)	82979	2.00000	2.38	(a)
	38 Dibromomethane	93	6.369	6.369	(1.093)	46069	2.00000	2.25	(a)
	39 Bromodichloromethane	83	6.481	6.481	(1.112)	99881	2.00000	2.21	(a)
	40 2-Chloroethyl vinyl ether	63	6.693	6.693	(1.149)	54223	2.00000	2.25	(a)
	41 cis-1,3-Dichloropropene	75	6.812	6.812	(1.169)	124874	2.00000	2.16	(a)
	42 4-methyl-2-pentanone	43	6.912	6.912	(1.186)	83276	2.00000	2.15	(a)
$	43 Toluene-d8	98	7.018	7.018	(0.870)	6236393	50.0000	49.8	
	44 Toluene +	91	7.071	7.071	(1.214)	353773	2.00000	2.61	(a)
	45 trans-1,3-Dichloropropene	75	6.812	6.812	(1.169)	124874	2.00000	2.16	(a)
	46 1,1,2-Trichloroethane	97	7.349	7.349	(1.261)	70097	2.00000	2.24	(a)
	47 1,3-Dichloropropane	76	7.468	7.468	(1.282)	127384	2.00000	2.29	(a)
	48 Tetrachloroethene	164	7.481	7.481	(1.284)	51192	2.00000	2.16	(a)
	49 2-Hexanone	43	7.514	7.514	(0.932)	61199	2.00000	2.17	(a)
	50 Dibromochloromethane	129	7.640	7.640	(0.947)	70519	2.00000	1.95	(a)
	51 1,2-Dibromoethane(EDB)	107	7.739	7.739	(0.960)	70413	2.00000	1.99	(a)
*	52 CHLOROBENZENE-d5	82	8.063	8.063	(1.000)	2761954	50.0000		
	53 Chlorobenzene ++	112	8.090	8.090	(1.003)	234684	2.00000	2.44	(a)
	54 1,1,1,2-Tetrachloroethane	133	8.136	8.136	(1.009)	67078	2.00000	2.04	(aM)
	55 Ethylbenzene +	106	8.156	8.156	(1.011)	106425	2.00000	2.34	(a)
	56 p,m-Xylene	106	8.235	8.235	(1.021)	284596	4.00000	5.05	
	57 o-Xylene	106	8.520	8.520	(1.057)	136209	2.00000	2.62	(a)
	58 Styrene	104	8.527	8.527	(1.057)	232073	2.00000	2.41	(a)
	59 Bromoform ++	173	8.672	8.672	(1.075)	38451	2.00000	1.81	(a)
	60 Isopropylbenzene	105	8.772	8.772	(1.088)	360509	2.00000	2.46	(a)
$	61 Bromofluorobenzene	174	8.891	8.891	(0.920)	1624126	50.0000	39.5	
	62 1,1,2,2-Tetrachloroethane++	83	8.957	8.957	(0.927)	100349	2.00000	1.64	(a)
	63 trans-1,4-Dichloro-2-Butene	53	8.990	8.990	(0.930)	22459	2.00000	1.60	(a)
	64 1,2,3-Trichloropropane	75	8.997	8.997	(0.931)	129468	2.00000	1.77	(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.010	9.010	(0.932)	211335	2.00000	1.83	(a)
	66 n-Propylbenzene	91	9.056	9.056	(0.937)	419694	2.00000	2.33	(a)
	67 2-Chlorotoluene	91	9.202	9.202	(0.952)	278182	2.00000	2.20	(a)
	68 1,3,5-Trimethylbenzene	105	9.162	9.162	(0.948)	242518	2.00000	2.96	(aH)
	69 4-Chlorotoluene	91	9.202	9.202	(0.952)	278182	2.00000	2.28	(a)
	70 tert-butylbenzene	91	9.129	9.129	(0.945)	262844	2.00000	3.14	(a)
	71 1,2,4-Trimethylbenzene	105	9.414	9.414	(0.974)	245188	2.00000	2.86	(a)
	72 sec-Butylbenzene	105	9.533	9.533	(0.986)	379339	2.00000	2.31	(a)
	73 p-Isopropyltoluene	119	9.612	9.612	(0.995)	275739	2.00000	2.56	(a)
	74 1,3-Dichlorobenzene	146	9.678	9.678	(1.001)	153570	2.00000	2.34	(a)
*	75 1,4-DICHLOROBENZENE-D4	152	9.665	9.665	(1.000)	2025602	50.0000		
	76 1,4-Dichlorobenzene	146	9.678	9.678	(1.001)	153570	2.00000	2.09	(a)
	77 1,2-Dichlorobenzene	146	9.923	9.923	(1.027)	222175	2.00000	3.49	(a)
	78 n-Butylbenzene	91	9.877	9.877	(1.022)	261108	2.00000	2.79	(a)
M	79 TOTAL XYLENE	106				420805	6.00000	7.66	(a)
	80 1,2-Dibromo-3-Chloropropane	157	10.400	10.400	(1.076)	13903	2.00000	1.32	(a)
	81 1,2,4-Trichlorobenzene	180	10.943	10.943	(1.132)	64520	2.00000	1.95	(a)
	82 Hexachlorobutadiene	225	11.035	11.035	(1.142)	43368	2.00000	1.94	(a)
	83 Naphthalene	128	11.115	11.115	(1.150)	171210	2.00000	1.81	(a)
	84 1,2,3-Trichlorobenzene	180	11.273	11.273	(1.166)	56780	2.00000	1.82	(a)
	132 Methyl Cyclohexane	83	6.276	6.276	(1.077)	114344	2.00000	2.21	3463 (a)
	131 Methyl Acetate	43	3.980	3.980	(0.683)	31262	2.00000	2.08	6874 (a)
	114 Hexane	57	4.244	4.244	(0.728)	108163	2.00000	3.32	2763 (aH)
	120 Cyclohexane	56	5.370	5.370	(0.922)	98256	2.00000	2.30	3561 (a)

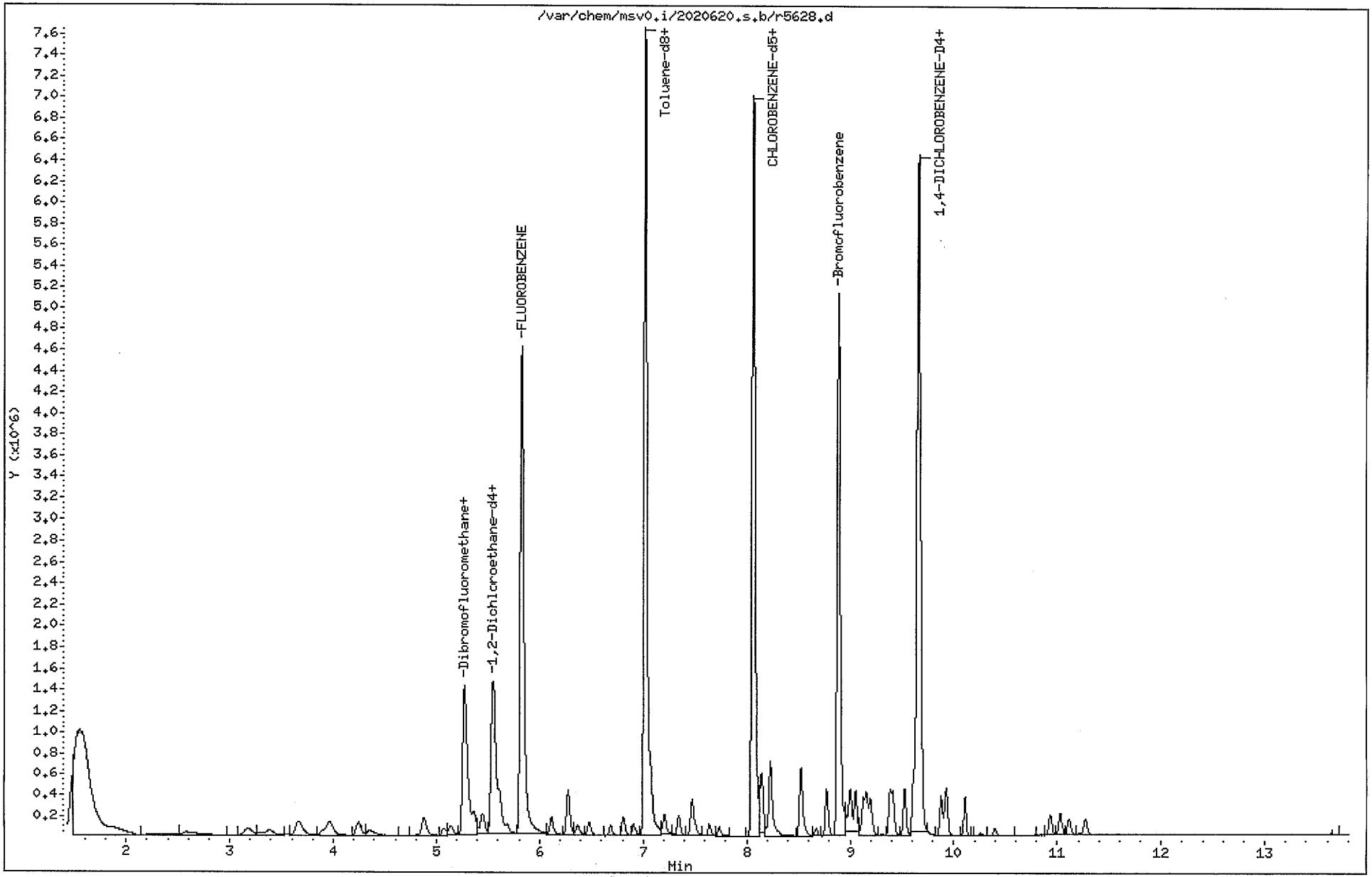
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000060

Data File: /var/chem/msv0.i/2020620.s.b/r5628.d
Date : 20-JUN-2002 11:17
Client ID: VOSTD002
Sample Info: VOSTD002*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5636.d
Lab Smp Id: V0STD005 Client Smp ID: V0STD005
Inj Date : 20-JUN-2002 14:38
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD005*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:03 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 09:20 Cal File: r5330.d
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.664	1.664	(0.286)	60278	5.00000	4.41	(a)
2 Chloromethane ++	50	1.829	1.829	(0.314)	110509	5.00000	4.65	(a)
3 Vinyl Chloride +	62	1.948	1.948	(0.334)	93696	5.00000	4.70	(a)
5 Bromomethane	94	2.233	2.233	(0.383)	33437	5.00000	5.26	
6 Chloroethane	64	2.339	2.339	(0.401)	32469	5.00000	5.17	
7 Trichlorofluoromethane	101	2.590	2.590	(0.445)	122005	5.00000	4.27	(a)
8 Acrolein	56	3.047	3.047	(0.523)	24051	25.0000	24.3	(a)
9 1,1-Dichloroethene +	96	3.159	3.159	(0.542)	71661	5.00000	4.75	(a)
10 1,1,2Trichlorotrifluoroethane	101	3.186	3.186	(0.547)	73350	5.00000	4.22	(a)
11 Acetone	43	3.226	3.226	(0.554)	44360	5.00000	5.96	(a)
12 Methyl Iodide	142	3.312	3.312	(0.568)	169368	5.00000	4.73	(a)
13 Carbon Disulfide	76	3.391	3.391	(0.582)	268652	5.00000	4.62	(a)
14 Methylene Chloride	49	3.669	3.669	(0.630)	188551	5.00000	6.45	(a)
15 Acrylonitrile	53	3.907	3.907	(0.671)	205695	25.0000	26.3	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.954	3.954	(0.679)	138777	5.00000	4.95	(a)
	17 MTBE	73	3.980	3.980	(0.683)	347266	5.00000	5.08	6452
	19 1,1-Dichloroethane ++	63	4.357	4.357	(0.748)	199155	5.00000	5.06	
	20 Vinyl Acetate	43	4.238	4.238	(0.727)	84818	5.00000	4.58	(a)
	21 cis-1,2-Dichloroethene	61	4.880	4.880	(0.838)	198278	5.00000	5.12	
	22 2,2-Dichloropropane	77	4.887	4.887	(0.839)	168491	5.00000	4.89	(a)
	23 2-Butanone	43	4.894	4.894	(0.840)	68290	5.00000	5.68	(a)
	24 Bromochloromethane	128	5.086	5.086	(0.873)	76692	5.00000	5.09	
	25 Chloroform +	83	5.152	5.152	(0.884)	262094	5.00000	5.66	
$	26 Dibromofluoromethane	111	5.277	5.277	(0.906)	1494676	50.0000	53.2	4826
	27 1,1,1-Trichloroethane	97	5.317	5.317	(0.913)	172772	5.00000	4.65	(a)
	29 1,1-Dichloropropene	75	5.450	5.450	(0.935)	147014	5.00000	4.75	(a)
	30 Carbon Tetrachloride	117	5.463	5.463	(0.938)	146424	5.00000	4.37	(a)
$	31 1,2-Dichloroethane-d4	67	5.555	5.555	(0.953)	813951	50.0000	51.3	
	32 1,2-Dichloroethane	62	5.615	5.615	(0.964)	202335	5.00000	5.14	
	33 Benzene	78	5.615	5.615	(0.964)	497458	5.00000	4.85	(a)
M	34 Total 1,2-Dichloroethene	61				337055	15.0000	10.1	
*	35 FLUOROBENZENE	96	5.827	5.827	(1.000)	5533002	50.0000		
	36 Trichloroethene	130	6.118	6.118	(1.050)	143635	5.00000	4.70	(a)
	37 1,2-Dichloropropane +	63	6.284	6.284	(1.078)	185194	5.00000	5.59	
	38 Dibromomethane	93	6.370	6.370	(1.093)	102363	5.00000	5.27	
	39 Bromodichloromethane	83	6.482	6.482	(1.112)	218804	5.00000	5.09	
	40 2-Chloroethyl vinyl ether	63	6.694	6.694	(1.149)	119690	5.00000	5.23	
	41 cis-1,3-Dichloropropene	75	6.813	6.813	(1.169)	283485	5.00000	5.16	
	42 4-methyl-2-pentanone	43	6.912	6.912	(1.186)	193951	5.00000	5.28	
$	43 Toluene-d8	98	7.025	7.025	(0.870)	5861633	50.0000	49.8	
	44 Toluene +	91	7.071	7.071	(1.214)	625211	5.00000	4.85	(a)
	45 trans-1,3-Dichloropropene	75	6.813	6.813	(1.169)	283485	5.00000	5.16	
	46 1,1,2-Trichloroethane	97	7.349	7.349	(1.261)	158431	5.00000	5.34	
	47 1,3-Dichloropropane	76	7.468	7.468	(1.282)	285501	5.00000	5.40	
	48 Tetrachloroethene	164	7.482	7.482	(1.284)	99307	5.00000	4.41	(a)
	49 2-Hexanone	43	7.508	7.508	(0.930)	143794	5.00000	5.43	
	50 Dibromochloromethane	129	7.647	7.647	(0.948)	166481	5.00000	4.89	(a)
	51 1,2-Dibromoethane(EDB)	107	7.740	7.740	(0.959)	161345	5.00000	4.86	(a)
*	52 CHLOROBENZENE-d5	82	8.071	8.071	(1.000)	2596696	50.0000		
	53 Chlorobenzene ++	112	8.090	8.090	(1.002)	456653	5.00000	5.05	
	54 1,1,1,2-Tetrachloroethane	133	8.137	8.137	(1.008)	151181	5.00000	4.89	(aM)
	55 Ethylbenzene +	106	8.157	8.157	(1.011)	194549	5.00000	4.56	(a)
	56 p,m-Xylene	106	8.236	8.236	(1.020)	479285	10.0000	9.04	
	57 o-Xylene	106	8.527	8.527	(1.057)	221333	5.00000	4.52	(a)
	58 Styrene	104	8.527	8.527	(1.057)	421160	5.00000	4.66	(a)
	59 Bromoform ++	173	8.673	8.673	(1.075)	93101	5.00000	4.66	(a)
	60 Isopropylbenzene	105	8.779	8.779	(1.088)	642106	5.00000	4.65	(a)
$	61 Bromofluorobenzene	174	8.891	8.891	(0.920)	1412898	50.0000	52.6	
	62 1,1,2,2-Tetrachloroethane++	83	8.958	8.958	(0.927)	231884	5.00000	5.80	
	63 trans-1,4-Dichloro-2-Butene	53	8.991	8.991	(0.930)	57408	5.00000	6.25	
	64 1,2,3-Trichloropropane	75	8.997	8.997	(0.931)	293208	5.00000	6.13	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.011	9.011	(0.932)	433144	5.00000	5.73	
	66 n-Propylbenzene	91	9.057	9.057	(0.937)	592138	5.00000	5.04	
	67 2-Chlorotoluene	91	9.136	9.136	(0.945)	455835	5.00000	5.52	
	68 1,3,5-Trimethylbenzene	105	8.779	8.779	(0.908)	642106	5.00000	5.28	(H)
	69 4-Chlorotoluene	91	9.202	9.202	(0.952)	414303	5.00000	5.20	
	70 tert-butylbenzene	91	9.394	9.394	(0.972)	273286	5.00000	5.00	(H)
	71 1,2,4-Trimethylbenzene	105	9.414	9.414	(0.974)	349771	5.00000	6.24	
	72 sec-Butylbenzene	105	9.533	9.533	(0.986)	534137	5.00000	4.99	(a)
	73 p-Isopropyltoluene	119	9.613	9.613	(0.995)	357270	5.00000	5.09	
	74 1,3-Dichlorobenzene	146	9.626	9.626	(0.996)	233907	5.00000	5.45	
*	75 1,4-DICHLOROBENZENE-D4	152	9.666	9.666	(1.000)	1322228	50.0000		
	76 1,4-Dichlorobenzene	146	9.679	9.679	(1.001)	227422	5.00000	4.74	(a)
	77 1,2-Dichlorobenzene	146	9.924	9.924	(1.027)	210616	5.00000	5.07	
	78 n-Butylbenzene	91	9.871	9.871	(1.021)	334474	5.00000	5.47	
M	79 TOTAL XYLENE	106				700618	15.0000	13.6	
	80 1,2-Dibromo-3-Chloropropane	157	10.400	10.400	(1.076)	35470	5.00000	5.14	
	81 1,2,4-Trichlorobenzene	180	10.937	10.937	(1.131)	135502	5.00000	6.27	
	82 Hexachlorobutadiene	225	11.029	11.029	(1.141)	70483	5.00000	4.82	(a)
	83 Naphthalene	128	11.109	11.109	(1.149)	408729	5.00000	6.62	
	84 1,2,3-Trichlorobenzene	180	11.268	11.268	(1.166)	128660	5.00000	6.31	
	132 Methyl Cyclohexane	83	6.284	6.284	(1.078)	218344	5.00000	4.45	2958 (a)
	131 Methyl Acetate	43	3.980	3.980	(0.683)	69909	5.00000	4.91	6452 (a)
	114 Hexane	57	4.245	4.245	(0.728)	142872	5.00000	4.62	2956 (aH)
	120 Cyclohexane	56	5.383	5.383	(0.924)	177642	5.00000	4.38	3386 (a)

QC Flag Legend

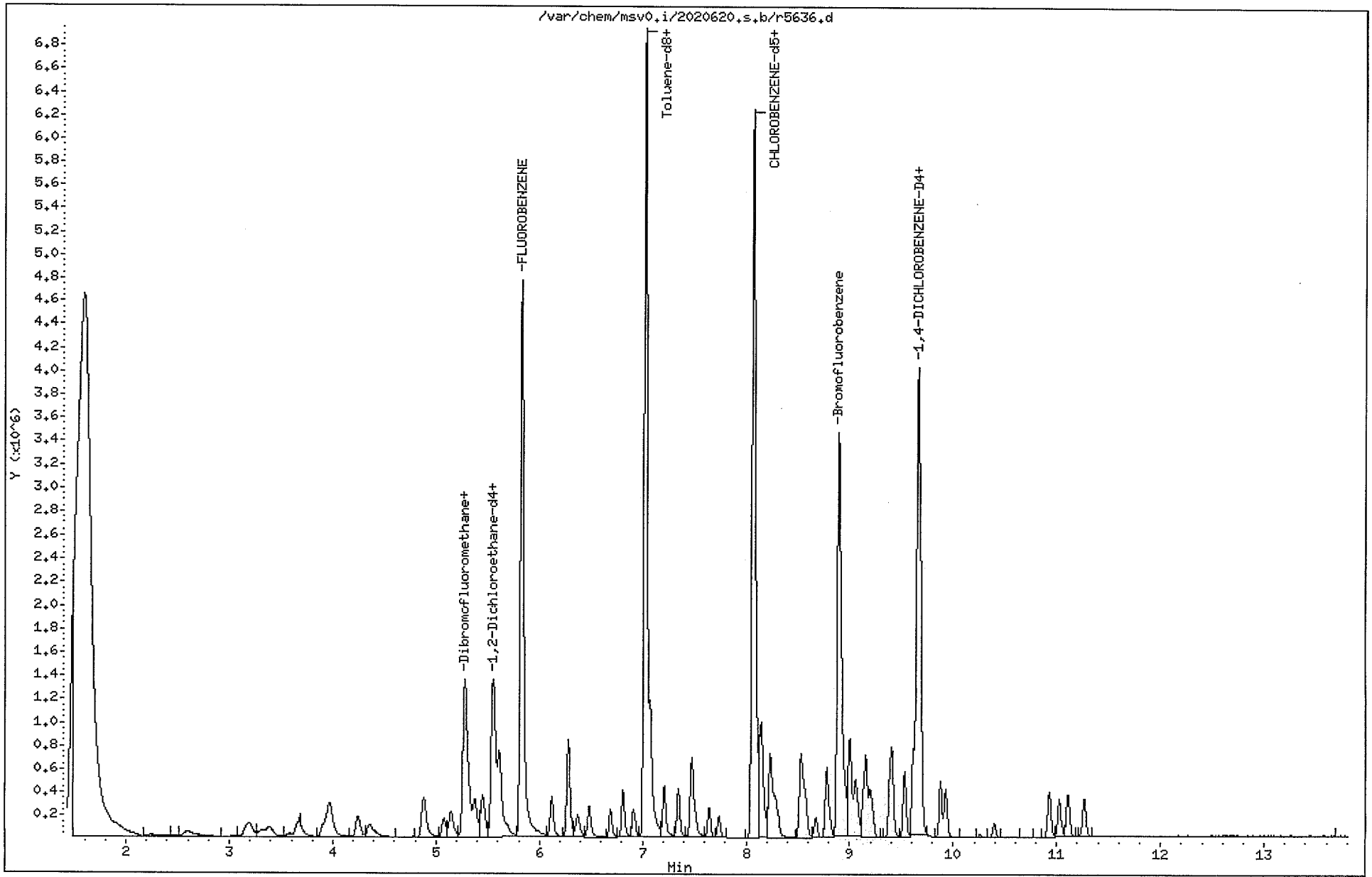
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000064

Data File: /var/chem/msv0.i/2020620.s.b/r5636.d
Date : 20-JUN-2002 14:38
Client ID: VOSTD005
Sample Info: VOSTD005*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5634.d
Lab Smp Id: V0STD020 Client Smp ID: V0STD020
Inj Date : 20-JUN-2002 13:45
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD020*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:03 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 09:42 Cal File: r5332.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.662	1.662	(0.285)	268690	20.0000	19.2	
2 Chloromethane ++	50	1.828	1.828	(0.314)	473240	20.0000	19.5	
3 Vinyl Chloride +	62	1.927	1.927	(0.331)	431989	20.0000	21.2	
5 Bromomethane	94	2.218	2.218	(0.381)	120016	20.0000	18.5	
6 Chloroethane	64	2.331	2.331	(0.400)	140823	20.0000	21.9	
7 Trichlorofluoromethane	101	2.596	2.596	(0.446)	564362	20.0000	19.3	
8 Acrolein	56	3.019	3.019	(0.518)	109326	100.000	108	
9 1,1-Dichloroethene +	96	3.152	3.152	(0.541)	305491	20.0000	19.8	
10 1,1,2Trichlorotrifluoroethane	101	3.191	3.191	(0.548)	356290	20.0000	20.0	
11 Acetone	43	3.211	3.211	(0.551)	193255	20.0000	25.4	
12 Methyl Iodide	142	3.304	3.304	(0.567)	760092	20.0000	20.7	
13 Carbon Disulfide	76	3.377	3.377	(0.580)	1193260	20.0000	20.1	
14 Methylene Chloride	49	3.655	3.655	(0.627)	574561	20.0000	19.2	
15 Acrylonitrile	53	3.900	3.900	(0.669)	927666	100.000	116	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.952	3.952	(0.678)	588502	20.0000	20.5	
	17 MTBE	73	3.972	3.972	(0.682)	1508344	20.0000	21.5	5710
	19 1,1-Dichloroethane ++	63	4.356	4.356	(0.748)	808378	20.0000	20.1	
	20 Vinyl Acetate	43	4.237	4.237	(0.727)	373986	20.0000	19.7	
	21 cis-1,2-Dichloroethene	61	4.872	4.872	(0.836)	810088	20.0000	20.4	
	22 2,2-Dichloropropane	77	4.879	4.879	(0.838)	718510	20.0000	20.4	
	23 2-Butanone	43	4.886	4.886	(0.839)	286414	20.0000	23.3	(a)
	24 Bromochloromethane	128	5.078	5.078	(0.872)	322414	20.0000	20.9	
	25 Chloroform +	83	5.144	5.144	(0.883)	952472	20.0000	20.1	
$	26 Dibromofluoromethane	111	5.276	5.276	(0.906)	1486581	50.0000	51.7	7003
	27 1,1,1-Trichloroethane	97	5.316	5.316	(0.912)	753024	20.0000	19.8	
	29 1,1-Dichloropropene	75	5.448	5.448	(0.935)	626483	20.0000	19.8	
	30 Carbon Tetrachloride	117	5.462	5.462	(0.938)	649548	20.0000	19.0	
$	31 1,2-Dichloroethane-d4	67	5.554	5.554	(0.953)	840147	50.0000	51.8	
	32 1,2-Dichloroethane	62	5.614	5.614	(0.964)	809827	20.0000	20.1	
	33 Benzene	78	5.607	5.607	(0.962)	2105333	20.0000	20.1	
M	34 Total 1,2-Dichloroethene	61				1398590	60.0000	41.0	
*	35 FLUOROBENZENE	96	5.826	5.826	(1.000)	5662409	50.0000		
	36 Trichloroethene	130	6.117	6.117	(1.050)	606561	20.0000	19.4	
	37 1,2-Dichloropropane +	63	6.282	6.282	(1.078)	731356	20.0000	21.6	
	38 Dibromomethane	93	6.368	6.368	(1.093)	422694	20.0000	21.3	
	39 Bromodichloromethane	83	6.481	6.481	(1.112)	893160	20.0000	20.3	
	40 2-Chloroethyl vinyl ether	63	6.686	6.686	(1.148)	537487	20.0000	22.9	
	41 cis-1,3-Dichloropropene	75	6.812	6.812	(1.169)	1179065	20.0000	21.0	
	42 4-methyl-2-pentanone	43	6.911	6.911	(1.186)	851668	20.0000	22.6	
$	43 Toluene-d8	98	7.024	7.024	(0.870)	5948686	50.0000	50.0	
	44 Toluene +	91	7.070	7.070	(1.214)	2647838	20.0000	20.1	
	45 trans-1,3-Dichloropropene	75	6.812	6.812	(1.169)	1179065	20.0000	21.0	
	46 1,1,2-Trichloroethane	97	7.348	7.348	(1.261)	657183	20.0000	21.6	
	47 1,3-Dichloropropane	76	7.467	7.467	(1.282)	1173171	20.0000	21.7	
	48 Tetrachloroethene	164	7.480	7.480	(1.284)	447613	20.0000	19.4	
	49 2-Hexanone	43	7.507	7.507	(0.930)	588255	20.0000	22.0	
	50 Dibromochloromethane	129	7.646	7.646	(0.948)	701626	20.0000	20.4	
	51 1,2-Dibromoethane(EDB)	107	7.738	7.738	(0.959)	679948	20.0000	20.3	
*	52 CHLOROBENZENE-d5	82	8.069	8.069	(1.000)	2622609	50.0000		
	53 Chlorobenzene ++	112	8.089	8.089	(1.002)	1854748	20.0000	20.3	
	54 1,1,1,2-Tetrachloroethane	133	8.136	8.136	(1.008)	630907	20.0000	20.2	
	55 Ethylbenzene +	106	8.155	8.155	(1.011)	869340	20.0000	20.2	
	56 p,m-Xylene	106	8.235	8.235	(1.020)	2186637	40.0000	40.8	
	57 o-Xylene	106	8.526	8.526	(1.057)	1018424	20.0000	20.6	
	58 Styrene	104	8.533	8.533	(1.057)	1883540	20.0000	20.6	
	59 Bromoform ++	173	8.672	8.672	(1.075)	413235	20.0000	20.5	
	60 Isopropylbenzene	105	8.778	8.778	(1.088)	2915868	20.0000	20.9	
$	61 Bromofluorobenzene	174	8.897	8.897	(0.921)	1541744	50.0000	47.0	
	62 1,1,2,2-Tetrachloroethane++	83	8.956	8.956	(0.927)	936435	20.0000	19.2	
	63 trans-1,4-Dichloro-2-Butene	53	8.989	8.989	(0.930)	240050	20.0000	21.4	
	64 1,2,3-Trichloropropane	75	8.996	8.996	(0.931)	1190316	20.0000	20.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.009	9.009	(0.932)	1794545	20.0000	19.4	
	66 n-Propylbenzene	91	9.062	9.062	(0.938)	2925562	20.0000	20.4	
	67 2-Chlorotoluene	91	9.142	9.142	(0.946)	2117735	20.0000	21.0	
	68 1,3,5-Trimethylbenzene	105	8.778	8.778	(0.908)	2915868	20.0000	19.6	(H)
	69 4-Chlorotoluene	91	9.201	9.201	(0.952)	1855108	20.0000	19.1	
	70 tert-butylbenzene	91	9.393	9.393	(0.972)	1327599	20.0000	19.9	(H)
	71 1,2,4-Trimethylbenzene	105	9.420	9.420	(0.975)	1521572	20.0000	22.2	
	72 sec-Butylbenzene	105	9.539	9.539	(0.987)	2740445	20.0000	20.9	
	73 p-Isopropyltoluene	119	9.618	9.618	(0.995)	1841412	20.0000	21.5	
	74 1,3-Dichlorobenzene	146	9.631	9.631	(0.997)	996350	20.0000	19.0	
*	75 1,4-DICHLOROBENZENE-D4	152	9.665	9.665	(1.000)	1616019	50.0000		
	76 1,4-Dichlorobenzene	146	9.684	9.684	(1.002)	1220595	20.0000	20.8	
	77 1,2-Dichlorobenzene	146	9.929	9.929	(1.027)	1011415	20.0000	19.9	
	78 n-Butylbenzene	91	9.876	9.876	(1.022)	1632315	20.0000	21.8	
M	79 TOTAL XYLENE	106				3205061	60.0000	61.4	
	80 1,2-Dibromo-3-Chloropropane	157	10.399	10.399	(1.076)	160922	20.0000	19.1	
	81 1,2,4-Trichlorobenzene	180	10.935	10.935	(1.131)	552704	20.0000	20.9	
	82 Hexachlorobutadiene	225	11.035	11.035	(1.142)	349512	20.0000	19.6	
	83 Naphthalene	128	11.107	11.107	(1.149)	1660896	20.0000	22.0	
	84 1,2,3-Trichlorobenzene	180	11.273	11.273	(1.166)	517788	20.0000	20.8	
	132 Methyl Cyclohexane	83	6.276	6.276	(1.077)	1040315	20.0000	20.7	2589
	131 Methyl Acetate	43	3.979	3.979	(0.683)	274780	20.0000	18.8	5806
	114 Hexane	57	4.237	4.237	(0.727)	621057	20.0000	19.6	4473(H)
	120 Cyclohexane	56	5.382	5.382	(0.924)	848029	20.0000	20.4	2261

QC Flag Legend

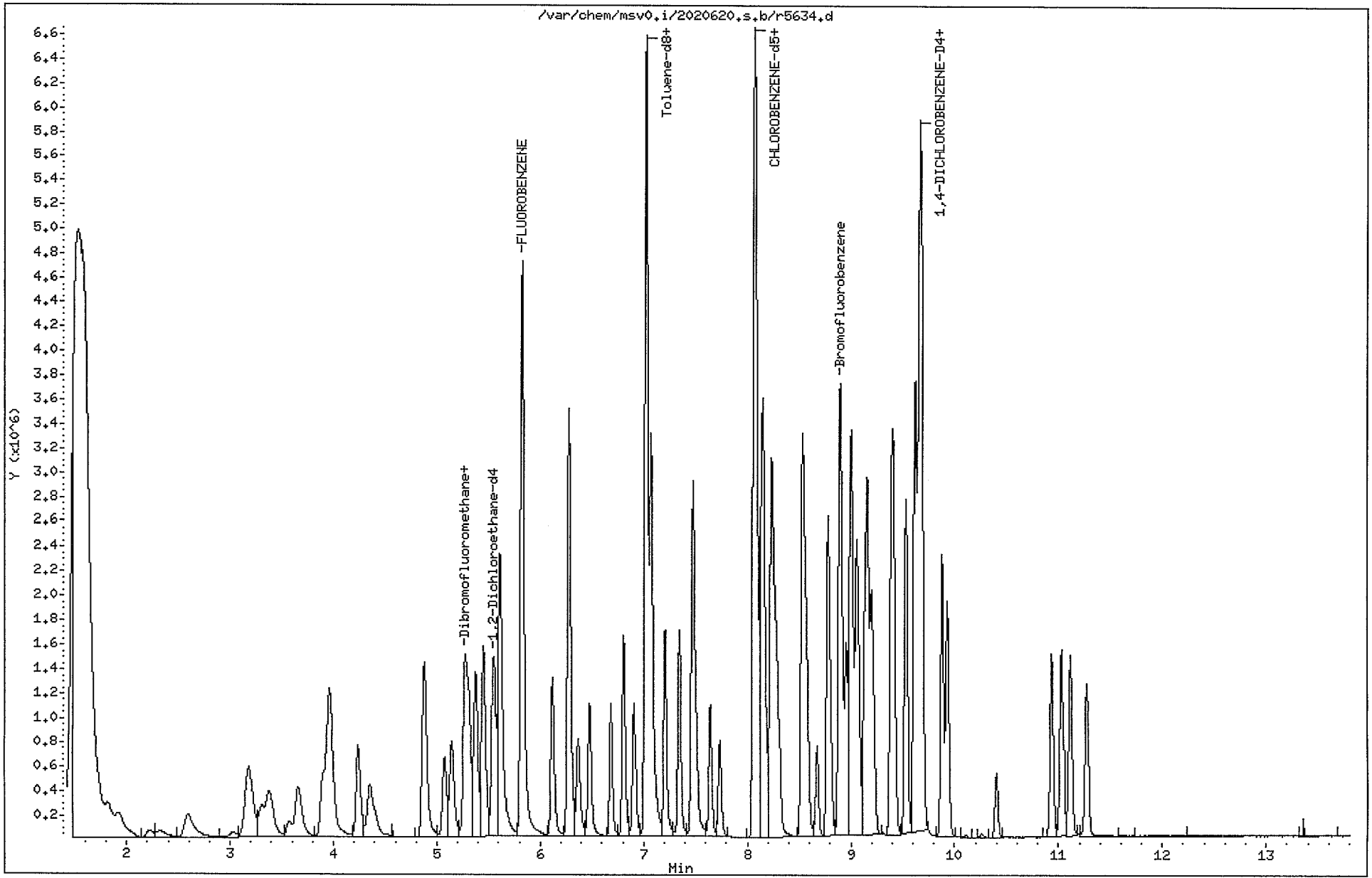
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

000068

Data File: /var/chem/msv0.i/2020620.s.b/r5634.d
Date : 20-JUN-2002 13:45
Client ID: VOSTD020
Sample Info: VOSTD020X4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5630.d
Lab Smp Id: V0STD050 Client Smp ID: V0STD050
Inj Date : 20-JUN-2002 12:09
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD050*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:02 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.672	1.672	(0.287)	782386	50.0000	52.6	
2 Chloromethane ++	50	1.838	1.838	(0.315)	1271354	50.0000	49.3	
3 Vinyl Chloride +	62	1.931	1.931	(0.331)	1180358	50.0000	54.5	
5 Bromomethane	94	2.228	2.228	(0.382)	319302	50.0000	46.3	
6 Chloroethane	64	2.341	2.341	(0.402)	333002	50.0000	48.8	
7 Trichlorofluoromethane	101	2.612	2.612	(0.448)	1643114	50.0000	53.0	
8 Acrolein	56	3.043	3.043	(0.522)	265345	250.000	247	(A)
9 1,1-Dichloroethene +	96	3.175	3.175	(0.545)	819650	50.0000	50.0	
10 1,1,2Trichlorotrifluoroethane	101	3.208	3.208	(0.550)	964492	50.0000	51.1	
11 Acetone	43	3.228	3.228	(0.554)	365617	50.0000	45.2	
12 Methyl Iodide	142	3.327	3.327	(0.571)	1921298	50.0000	49.4	
13 Carbon Disulfide	76	3.393	3.393	(0.582)	3161363	50.0000	50.1	
14 Methylene Chloride	49	3.671	3.671	(0.630)	1546274	50.0000	48.7	
15 Acrylonitrile	53	3.903	3.903	(0.670)	2070961	250.000	243	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.963	3.963	(0.680)	1553010	50.0000	51.0	
	17 MTBE	73	3.982	3.982	(0.683)	3724485	50.0000	50.1	5622
	19 1,1-Dichloroethane ++	63	4.360	4.360	(0.748)	2152764	50.0000	50.3	
	20 Vinyl Acetate	43	4.247	4.247	(0.729)	1050769	50.0000	52.2	
	21 cis-1,2-Dichloroethene	61	4.883	4.883	(0.838)	2143624	50.0000	51.0	
	22 2,2-Dichloropropane	77	4.896	4.896	(0.840)	1935538	50.0000	51.7	
	23 2-Butanone	43	4.889	4.889	(0.839)	646422	50.0000	49.5	
	24 Bromochloromethane	128	5.081	5.081	(0.872)	800807	50.0000	49.0	
	25 Chloroform +	83	5.154	5.154	(0.884)	2481392	50.0000	49.4	
$	26 Dibromofluoromethane	111	5.286	5.286	(0.907)	1539830	50.0000	50.5	6335
	27 1,1,1-Trichloroethane	97	5.326	5.326	(0.914)	2102836	50.0000	52.1	
	29 1,1-Dichloropropene	75	5.452	5.452	(0.935)	1736950	50.0000	51.7	
	30 Carbon Tetrachloride	117	5.472	5.472	(0.939)	1843975	50.0000	50.7	
$	31 1,2-Dichloroethane-d4	67	5.558	5.558	(0.953)	903640	50.0000	52.5	
	32 1,2-Dichloroethane	62	5.617	5.617	(0.964)	2151108	50.0000	50.3	
	33 Benzene	78	5.611	5.611	(0.963)	5574228	50.0000	50.1	
M	34 Total 1,2-Dichloroethene	61				3696634	150.000	102	
*	35 FLUOROBENZENE	96	5.829	5.829	(1.000)	6009761	50.0000		
	36 Trichloroethene	130	6.120	6.120	(1.050)	1672863	50.0000	50.4	
	37 1,2-Dichloropropane +	63	6.286	6.286	(1.078)	1820633	50.0000	50.6	
	38 Dibromomethane	93	6.372	6.372	(1.093)	1064301	50.0000	50.5	
	39 Bromodichloromethane	83	6.484	6.484	(1.112)	2342688	50.0000	50.2	
	40 2-Chloroethyl vinyl ether	63	6.689	6.689	(1.148)	1314928	50.0000	52.9	
	41 cis-1,3-Dichloropropene	75	6.815	6.815	(1.169)	2970901	50.0000	49.8	
	42 4-methyl-2-pentanone	43	6.915	6.915	(1.186)	1978702	50.0000	49.6	
$	43 Toluene-d8	98	7.027	7.027	(0.870)	6323913	50.0000	48.8	
	44 Toluene +	91	7.073	7.073	(1.213)	7003730	50.0000	50.0	
	45 trans-1,3-Dichloropropene	75	6.815	6.815	(1.169)	2970901	50.0000	49.8	
	46 1,1,2-Trichloroethane	97	7.345	7.345	(1.260)	1591576	50.0000	49.4	
	47 1,3-Dichloropropane	76	7.471	7.471	(1.282)	2956544	50.0000	51.4	
	48 Tetrachloroethene	164	7.484	7.484	(1.284)	1217842	50.0000	49.8	
	49 2-Hexanone	43	7.510	7.510	(0.930)	1391933	50.0000	47.8	
	50 Dibromochloromethane	129	7.643	7.643	(0.947)	1811968	50.0000	48.4	
	51 1,2-Dibromoethane(EDB)	107	7.742	7.742	(0.959)	1711166	50.0000	46.9	
*	52 CHLOROBENZENE-d5	82	8.073	8.073	(1.000)	2854598	50.0000		
	53 Chlorobenzene ++	112	8.093	8.093	(1.002)	4852778	50.0000	48.8	
	54 1,1,1,2-Tetrachloroethane	133	8.139	8.139	(1.008)	1668794	50.0000	49.1	
	55 Ethylbenzene +	106	8.159	8.159	(1.011)	2294341	50.0000	48.9	
	56 p,m-Xylene	106	8.238	8.238	(1.020)	5945011	100.000	102	
	57 o-Xylene	106	8.530	8.530	(1.057)	2739549	50.0000	50.9	
	58 Styrene	104	8.530	8.530	(1.057)	4987351	50.0000	50.2	
	59 Bromoform ++	173	8.675	8.675	(1.075)	1062273	50.0000	48.3	
	60 Isopropylbenzene	105	8.781	8.781	(1.088)	8081250	50.0000	53.3	
$	61 Bromofluorobenzene	174	8.894	8.894	(0.920)	1669219	50.0000	44.1	
	62 1,1,2,2-Tetrachloroethane++	83	8.953	8.953	(0.926)	2382919	50.0000	42.3	
	63 trans-1,4-Dichloro-2-Butene	53	8.986	8.986	(0.929)	570001	50.0000	44.0	
	64 1,2,3-Trichloropropane	75	8.993	8.993	(0.930)	2913277	50.0000	43.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.013	9.013	(0.932)	4701896	50.0000	44.2	
	66 n-Propylbenzene	91	9.059	9.059	(0.937)	8208057	50.0000	49.6	
	67 2-Chlorotoluene	91	9.138	9.138	(0.945)	5304439	50.0000	45.6	
	68 1,3,5-Trimethylbenzene	105	8.781	8.781	(0.908)	8081250	50.0000	47.2	(H)
	69 4-Chlorotoluene	91	9.205	9.205	(0.952)	5559456	50.0000	49.5	
	70 tert-butylbenzene	91	9.397	9.397	(0.972)	3706574	50.0000	48.1	(H)
	71 1,2,4-Trimethylbenzene	105	9.416	9.416	(0.974)	4154062	50.0000	52.6	
	72 sec-Butylbenzene	105	9.536	9.536	(0.986)	7883580	50.0000	52.2	
	73 p-Isopropyltoluene	119	9.615	9.615	(0.995)	5305477	50.0000	53.6	
	74 1,3-Dichlorobenzene	146	9.628	9.628	(0.996)	2923173	50.0000	48.3	
*	75 1,4-DICHLOROBENZENE-D4	152	9.668	9.668	(1.000)	1863702	50.0000		
	76 1,4-Dichlorobenzene	146	9.681	9.681	(1.001)	3297229	50.0000	48.8	
	77 1,2-Dichlorobenzene	146	9.933	9.933	(1.027)	2876976	50.0000	49.1	
	78 n-Butylbenzene	91	9.880	9.880	(1.022)	4605386	50.0000	53.4	
M	79 TOTAL XYLENE	106				8684560	150.000	153	
	80 1,2-Dibromo-3-Chloropropane	157	10.403	10.403	(1.076)	400001	50.0000	41.2	
	81 1,2,4-Trichlorobenzene	180	10.939	10.939	(1.131)	1303425	50.0000	42.8	
	82 Hexachlorobutadiene	225	11.038	11.038	(1.142)	974424	50.0000	47.3	
	83 Naphthalene	128	11.111	11.111	(1.149)	3595695	50.0000	41.3	
	84 1,2,3-Trichlorobenzene	180	11.276	11.276	(1.166)	1215955	50.0000	42.3	
	132 Methyl Cyclohexane	83	6.279	6.279	(1.077)	2823771	50.0000	53.0	2505
	131 Methyl Acetate	43	3.982	3.982	(0.683)	763221	50.0000	49.3	5622
	114 Hexane	57	4.241	4.241	(0.727)	1741267	50.0000	51.8	4827 (H)
	120 Cyclohexane	56	5.386	5.386	(0.924)	2302439	50.0000	52.2	2077

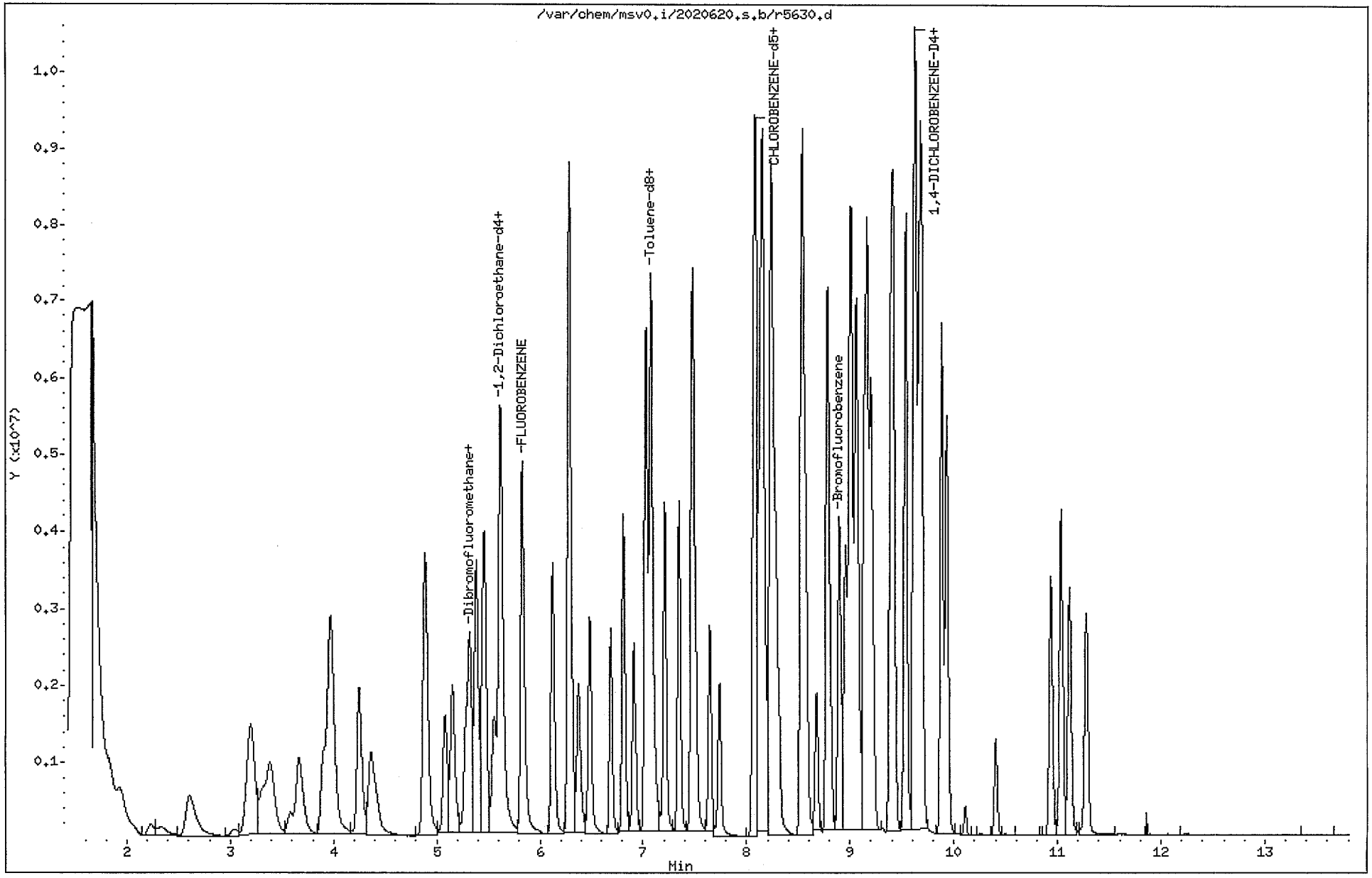
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

0000072

Data File: /var/chem/msv0.i/2020620.s.b/r5630.d
Date : 20-JUN-2002 12:09
Client ID: V0STD050
Sample Info: V0STD050*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5631.d
Lab Smp Id: V0STD100 Client Smp ID: V0STD100
Inj Date : 20-JUN-2002 12:32
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD100*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:02 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:27 Cal File: r5334.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.686	1.686	(0.289)	1447007	100.000	105	
2 Chloromethane ++	50	1.838	1.838	(0.315)	2354794	100.000	98.3	
3 Vinyl Chloride +	62	1.958	1.958	(0.336)	2174077	100.000	108	
5 Bromomethane	94	2.249	2.249	(0.386)	583081	100.000	90.9	
6 Chloroethane	64	2.368	2.368	(0.406)	673256	100.000	106	
7 Trichlorofluoromethane	101	2.619	2.619	(0.449)	3024905	100.000	105	
8 Acrolein	56	3.036	3.036	(0.521)	492508	500.000	493	(A)
9 1,1-Dichloroethene +	96	3.189	3.189	(0.547)	1557743	100.000	102	
10 1,1,2Trichlorotrifluoroethane	101	3.222	3.222	(0.553)	1843672	100.000	105	
11 Acetone	43	3.235	3.235	(0.555)	632988	100.000	84.3	
12 Methyl Iodide	142	3.334	3.334	(0.572)	3722784	100.000	103	
13 Carbon Disulfide	76	3.400	3.400	(0.583)	6114624	100.000	104	
14 Methylene Chloride	49	3.678	3.678	(0.631)	2709184	100.000	91.8	
15 Acrylonitrile	53	3.910	3.910	(0.671)	3557078	500.000	450	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.970	3.970	(0.681)	2839759	100.000	100	
	17 MTBE	73	3.983	3.983	(0.683)	6691898	100.000	96.9	5543
	19 1,1-Dichloroethane ++	63	4.373	4.373	(0.750)	3970372	100.000	99.9	
	20 Vinyl Acetate	43	4.248	4.248	(0.729)	1930717	100.000	103	
	21 cis-1,2-Dichloroethene	61	4.883	4.883	(0.838)	3880872	100.000	99.3	
	22 2,2-Dichloropropane	77	4.903	4.903	(0.841)	3448266	100.000	99.1	
	23 2-Butanone	43	4.896	4.896	(0.840)	1043698	100.000	86.0	
	24 Bromochloromethane	128	5.088	5.088	(0.873)	1477557	100.000	97.3	
	25 Chloroform +	83	5.161	5.161	(0.885)	4411494	100.000	94.5	
$	26 Dibromofluoromethane	111	5.293	5.293	(0.908)	1365349	50.0000	48.2	6027
	27 1,1,1-Trichloroethane	97	5.333	5.333	(0.915)	3794239	100.000	101	
	29 1,1-Dichloropropene	75	5.452	5.452	(0.935)	3137851	100.000	101	
	30 Carbon Tetrachloride	117	5.479	5.479	(0.940)	3412995	100.000	101	
$	31 1,2-Dichloroethane-d4	67	5.565	5.565	(0.955)	769254	50.0000	48.1	
	32 1,2-Dichloroethane	62	5.624	5.624	(0.965)	3718451	100.000	93.6	
	33 Benzene	78	5.611	5.611	(0.963)	9964385	100.000	96.3	
M	34 Total 1,2-Dichloroethene	61				6720631	300.000	200	
*	35 FLUOROBENZENE	96	5.830	5.830	(1.000)	5583096	50.0000		
	36 Trichloroethene	130	6.121	6.121	(1.050)	3099125	100.000	100	
	37 1,2-Dichloropropane +	63	6.286	6.286	(1.078)	3170670	100.000	94.9	
	38 Dibromomethane	93	6.379	6.379	(1.094)	1845818	100.000	94.2	
	39 Bromodichloromethane	83	6.491	6.491	(1.114)	4240481	100.000	97.8	
	40 2-Chloroethyl vinyl ether	63	6.690	6.690	(1.148)	2172159	100.000	94.0	
	41 cis-1,3-Dichloropropene	75	6.816	6.816	(1.169)	5450393	100.000	98.4	
	42 4-methyl-2-pentanone	43	6.915	6.915	(1.186)	3399322	100.000	91.6	
$	43 Toluene-d8	98	7.028	7.028	(0.871)	5633513	50.0000	47.7	
	44 Toluene +	91	7.074	7.074	(1.213)	12738921	100.000	98.0	
	45 trans-1,3-Dichloropropene	75	6.816	6.816	(1.169)	5450393	100.000	98.4	
	46 1,1,2-Trichloroethane	97	7.345	7.345	(1.260)	2816518	100.000	94.1	
	47 1,3-Dichloropropane	76	7.471	7.471	(1.282)	5094234	100.000	95.4	
	48 Tetrachloroethene	164	7.484	7.484	(1.284)	2304816	100.000	101	
	49 2-Hexanone	43	7.511	7.511	(0.931)	2305359	100.000	86.8	
	50 Dibromochloromethane	129	7.643	7.643	(0.947)	3345780	100.000	97.9	
	51 1,2-Dibromoethane(EDB)	107	7.742	7.742	(0.960)	3010096	100.000	90.4	
*	52 CHLOROBENZENE-d5	82	8.067	8.067	(1.000)	2605352	50.0000		
	53 Chlorobenzene ++	112	8.093	8.093	(1.003)	8915685	100.000	98.2	
	54 1,1,1,2-Tetrachloroethane	133	8.139	8.139	(1.009)	3071220	100.000	99.0	
	55 Ethylbenzene +	106	8.159	8.159	(1.011)	4087197	100.000	95.5	
	56 p,m-Xylene	106	8.239	8.239	(1.021)	10141309	200.000	191	
	57 o-Xylene	106	8.523	8.523	(1.057)	4577254	100.000	93.2	
	58 Styrene	104	8.530	8.530	(1.057)	8507425	100.000	93.8	
	59 Bromoform ++	173	8.676	8.676	(1.075)	1955740	100.000	97.5	
	60 Isopropylbenzene	105	8.775	8.775	(1.088)	14364455	100.000	104	
$	61 Bromofluorobenzene	174	8.894	8.894	(0.920)	1453468	50.0000	54.8	
	62 1,1,2,2-Tetrachloroethane++	83	8.954	8.954	(0.926)	4073223	100.000	103	
	63 trans-1,4-Dichloro-2-Butene	53	8.987	8.987	(0.929)	992096	100.000	109	
	64 1,2,3-Trichloropropane	75	8.993	8.993	(0.930)	4876845	100.000	103	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.007	9.007	(0.932)	8158941	100.000	109	
	66 n-Propylbenzene	91	9.059	9.059	(0.937)	13358570	100.000	115	
	67 2-Chlorotoluene	91	9.139	9.139	(0.945)	8203917	100.000	100	
	68 1,3,5-Trimethylbenzene	105	8.775	8.775	(0.908)	14364455	100.000	120	(H)
	69 4-Chlorotoluene	91	9.205	9.205	(0.952)	7860889	100.000	99.8	
	70 tert-butylbenzene	91	9.397	9.397	(0.972)	5764749	100.000	107	(H)
	71 1,2,4-Trimethylbenzene	105	9.417	9.417	(0.974)	4935606	100.000	89.1	
	72 sec-Butylbenzene	105	9.536	9.536	(0.986)	11884515	100.000	112	
	73 p-Isopropyltoluene	119	9.615	9.615	(0.995)	6774697	100.000	97.6	
	74 1,3-Dichlorobenzene	146	9.635	9.635	(0.997)	4194204	100.000	98.9	
*	75 1,4-DICHLOROBENZENE-D4	152	9.668	9.668	(1.000)	1306862	50.0000		
	76 1,4-Dichlorobenzene	146	9.688	9.688	(1.002)	4827152	100.000	102	
	77 1,2-Dichlorobenzene	146	9.933	9.933	(1.027)	4083638	100.000	99.4	
	78 n-Butylbenzene	91	9.880	9.880	(1.022)	5744516	100.000	95.0	
M	79 TOTAL XYLENE	106				14718563	300.000	284	
	80 1,2-Dibromo-3-Chloropropane	157	10.403	10.403	(1.076)	695292	100.000	102	
	81 1,2,4-Trichlorobenzene	180	10.946	10.946	(1.132)	2139166	100.000	100	
	82 Hexachlorobutadiene	225	11.045	11.045	(1.142)	1592055	100.000	110	
	83 Naphthalene	128	11.118	11.118	(1.150)	5804399	100.000	95.1	
	84 1,2,3-Trichlorobenzene	180	11.277	11.277	(1.166)	2006949	100.000	99.6	
	132 Methyl Cyclohexane	83	6.286	6.286	(1.078)	5095650	100.000	103	2443
	131 Methyl Acetate	43	3.592	3.592	(0.616)	1561455	100.000	109	6148
	114 Hexane	57	4.248	4.248	(0.729)	3216839	100.000	103	4928 (H)
	120 Cyclohexane	56	5.399	5.399	(0.926)	4216947	100.000	103	2127

QC Flag Legend

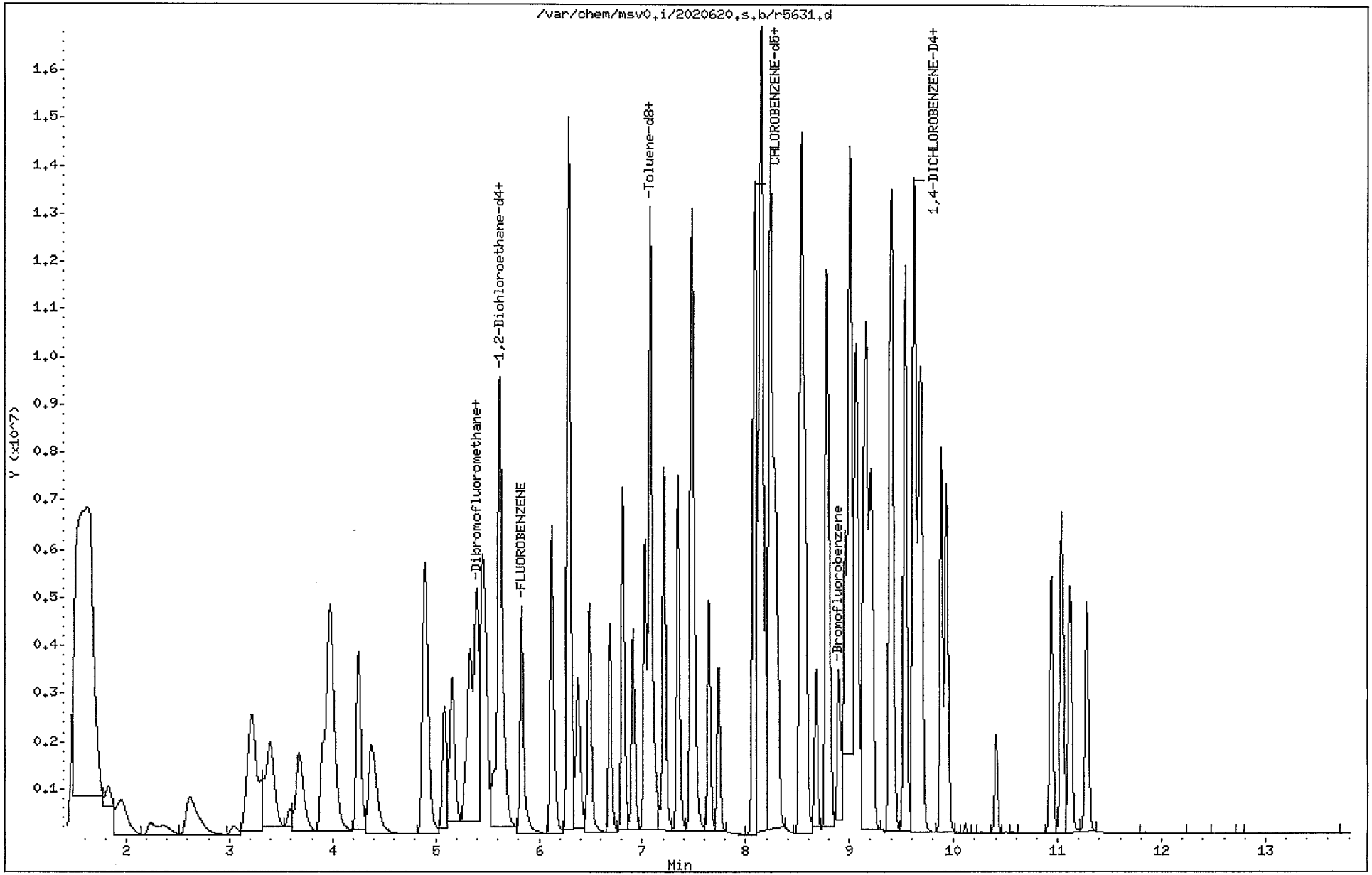
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

000076

Data File: /var/chem/msv0.i/2020620.s.b/r5631.d
Date : 20-JUN-2002 12:32
Client ID: VOSTD100
Sample Info: VOSTD100*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5632.d
Lab Smp Id: V0STD200 Client Smp ID: V0STD200
Inj Date : 20-JUN-2002 12:55
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD200*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:03 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:50 Cal File: r5335.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.672	1.672	(0.287)	3059572	200.000	212	(AM)
2 Chloromethane ++	50	1.818	1.818	(1.000)	4635677	200.000	185	
3 Vinyl Chloride +	62	1.950	1.950	(1.000)	4466056	200.000	212	(A)
5 Bromomethane	94	2.228	2.228	(1.000)	926689	200.000	138	
6 Chloroethane	64	2.374	2.374	(1.000)	1098958	200.000	166	
7 Trichlorofluoromethane	101	2.599	2.599	(1.000)	6449634	200.000	214	(A)
8 Acrolein	56	3.029	3.029	(1.000)	1016453	1000.00	973	(A)
9 1,1-Dichloroethene +	96	3.161	3.161	(1.000)	3320549	200.000	208	(A)
10 1,1,2Trichlorotrifluoroethane	101	3.201	3.201	(1.000)	3984349	200.000	217	(A)
11 Acetone	43	3.221	3.221	(1.000)	1243449	200.000	158	
12 Methyl Iodide	142	3.314	3.314	(1.000)	7574658	200.000	200	(A)
13 Carbon Disulfide	76	3.386	3.386	(1.000)	12589850	200.000	205	(A)
14 Methylene Chloride	49	3.671	3.671	(1.000)	5301392	200.000	172	
15 Acrylonitrile	53	3.903	3.903	(1.000)	7610993	1000.00	920	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.956	3.956	(1.000)	5685399	200.000	192	
	17 MTBE	73	3.976	3.976	(1.000)	13529499	200.000	187	5519
	19 1,1-Dichloroethane ++	63	4.366	4.366	(1.000)	8165968	200.000	196	
	20 Vinyl Acetate	43	4.234	4.234	(1.000)	3986424	200.000	204	(A)
	21 cis-1,2-Dichloroethene	61	4.876	4.876	(1.000)	7704541	200.000	188	
	22 2,2-Dichloropropane	77	4.896	4.896	(1.000)	7147228	200.000	196	
	23 2-Butanone	43	4.889	4.889	(1.000)	2158450	200.000	170	
	24 Bromochloromethane	128	5.081	5.081	(1.000)	3122860	200.000	196	
	25 Chloroform +	83	5.154	5.154	(1.000)	9087080	200.000	186	
$	26 Dibromofluoromethane	111	5.286	5.286	(1.000)	1379567	50.0000	46.5	5426
	27 1,1,1-Trichloroethane	97	5.326	5.326	(1.000)	8035411	200.000	205	(A)
	29 1,1-Dichloropropene	75	5.445	5.445	(1.000)	6660602	200.000	204	(A)
	30 Carbon Tetrachloride	117	5.471	5.471	(1.000)	7387073	200.000	209	(A)
$	31 1,2-Dichloroethane-d4	67	5.557	5.557	(1.000)	775879	50.0000	46.3	
	32 1,2-Dichloroethane	62	5.617	5.617	(1.000)	7258320	200.000	174	
	33 Benzene	78	5.604	5.604	(1.000)	19395459	200.000	179	
M	34 Total 1,2-Dichloroethene	61				13389940	600.000	380	
*	35 FLUOROBENZENE	96	5.822	5.822	(1.000)	5843590	50.0000		(M)
	36 Trichloroethene	130	6.120	6.120	(1.000)	6706401	200.000	208	(A)
	37 1,2-Dichloropropane +	63	6.286	6.286	(1.000)	5895485	200.000	169	
	38 Dibromomethane	93	6.378	6.378	(1.000)	3819152	200.000	186	
	39 Bromodichloromethane	83	6.491	6.491	(1.000)	8507841	200.000	188	
	40 2-Chloroethyl vinyl ether	63	6.689	6.689	(1.000)	3914560	200.000	162	
	41 cis-1,3-Dichloropropene	75	6.815	6.815	(1.000)	10866617	200.000	187	
	42 4-methyl-2-pentanone	43	6.914	6.914	(1.000)	7027971	200.000	181	
$	43 Toluene-d8	98	7.020	7.020	(0.870)	5765190	50.0000	53.7	
	44 Toluene +	91	7.073	7.073	(1.000)	20149631	200.000	148	
	45 trans-1,3-Dichloropropene	75	6.815	6.815	(1.000)	10866617	200.000	187	
	46 1,1,2-Trichloroethane	97	7.345	7.345	(1.000)	5780887	200.000	184	
	47 1,3-Dichloropropane	76	7.470	7.470	(1.000)	9557736	200.000	171	
	48 Tetrachloroethene	164	7.484	7.484	(1.000)	5034734	200.000	212	(A)
	49 2-Hexanone	43	7.510	7.510	(0.931)	4769250	200.000	198	
	50 Dibromochloromethane	129	7.649	7.649	(0.948)	7134298	200.000	230	(A)
	51 1,2-Dibromoethane(EDB)	107	7.742	7.742	(0.960)	6413646	200.000	212	(A)
*	52 CHLOROBENZENE-d5	82	8.066	8.066	(1.000)	2366110	50.0000		
	53 Chlorobenzene ++	112	8.092	8.092	(1.003)	16783170	200.000	204	(A)
	54 1,1,1,2-Tetrachloroethane	133	8.139	8.139	(1.009)	6222599	200.000	221	(A)
	55 Ethylbenzene +	106	8.159	8.159	(1.011)	8921530	200.000	229	(A)
	56 p,m-Xylene	106	8.238	8.238	(1.021)	21301998	400.000	441	(A)
	57 o-Xylene	106	8.523	8.523	(1.057)	9955075	200.000	223	(A)
	58 Styrene	104	8.529	8.529	(1.057)	18019180	200.000	219	(A)
	59 Bromoform ++	173	8.675	8.675	(1.075)	4377920	200.000	240	(A)
	60 Isopropylbenzene	105	8.774	8.774	(1.088)	23136150	200.000	184	
$	61 Bromofluorobenzene	174	8.893	8.893	(0.920)	1596575	50.0000	51.4	
	62 1,1,2,2-Tetrachloroethane++	83	8.960	8.960	(0.927)	8310139	200.000	180	
	63 trans-1,4-Dichloro-2-Butene	53	8.986	8.986	(0.929)	1926166	200.000	181	
	64 1,2,3-Trichloropropane	75	8.993	8.993	(0.930)	9537725	200.000	172	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
65 Bromobenzene	77	9.012	9.012	(0.932)	15803405	200.000	181	
66 n-Propylbenzene	91	9.059	9.059	(0.937)	22627331	200.000	167	
67 2-Chlorotoluene	91	9.138	9.138	(0.945)	17804649	200.000	186	
68 1,3,5-Trimethylbenzene	105	8.774	8.774	(0.908)	23136150	200.000	165	(H)
69 4-Chlorotoluene	91	9.204	9.204	(0.952)	18781426	200.000	204	(A)
70 tert-butylbenzene	91	9.396	9.396	(0.972)	12379975	200.000	196	(H)
71 1,2,4-Trimethylbenzene	105	9.423	9.423	(0.975)	9029260	200.000	139	
72 sec-Butylbenzene	105	9.529	9.529	(0.986)	19580672	200.000	158	
73 p-Isopropyltoluene	119	9.615	9.615	(0.995)	14001371	200.000	172	
74 1,3-Dichlorobenzene	146	9.635	9.635	(0.997)	9958412	200.000	201	(A)
* 75 1,4-DICHLOROBENZENE-D4	152	9.668	9.668	(1.000)	1528977	50.0000		
76 1,4-Dichlorobenzene	146	9.688	9.688	(1.002)	11295327	200.000	204	(A)
77 1,2-Dichlorobenzene	146	9.932	9.932	(1.027)	9741209	200.000	203	(A)
78 n-Butylbenzene	91	9.880	9.880	(1.022)	11255067	200.000	159	
M 79 TOTAL XYLENE	106				31257073	600.000	664	
80 1,2-Dibromo-3-Chloropropane	157	10.402	10.402	(1.076)	1632454	200.000	205	(A)
81 1,2,4-Trichlorobenzene	180	10.939	10.939	(1.131)	4205871	200.000	168	
82 Hexachlorobutadiene	225	11.038	11.038	(1.142)	3827742	200.000	226	(A)
83 Naphthalene	128	11.111	11.111	(1.149)	11385671	200.000	159	
84 1,2,3-Trichlorobenzene	180	11.276	11.276	(1.166)	4035385	200.000	171	
132 Methyl Cyclohexane	83	6.279	6.279	(1.000)	10208820	200.000	197	2413
131 Methyl Acetate	43	3.578	3.578	(1.000)	3018929	200.000	201	7035 (AH)
114 Hexane	57	4.234	4.234	(1.000)	6706660	200.000	205	5022 (AH)
120 Cyclohexane	56	5.385	5.385	(1.000)	8819076	200.000	206	2242 (A)

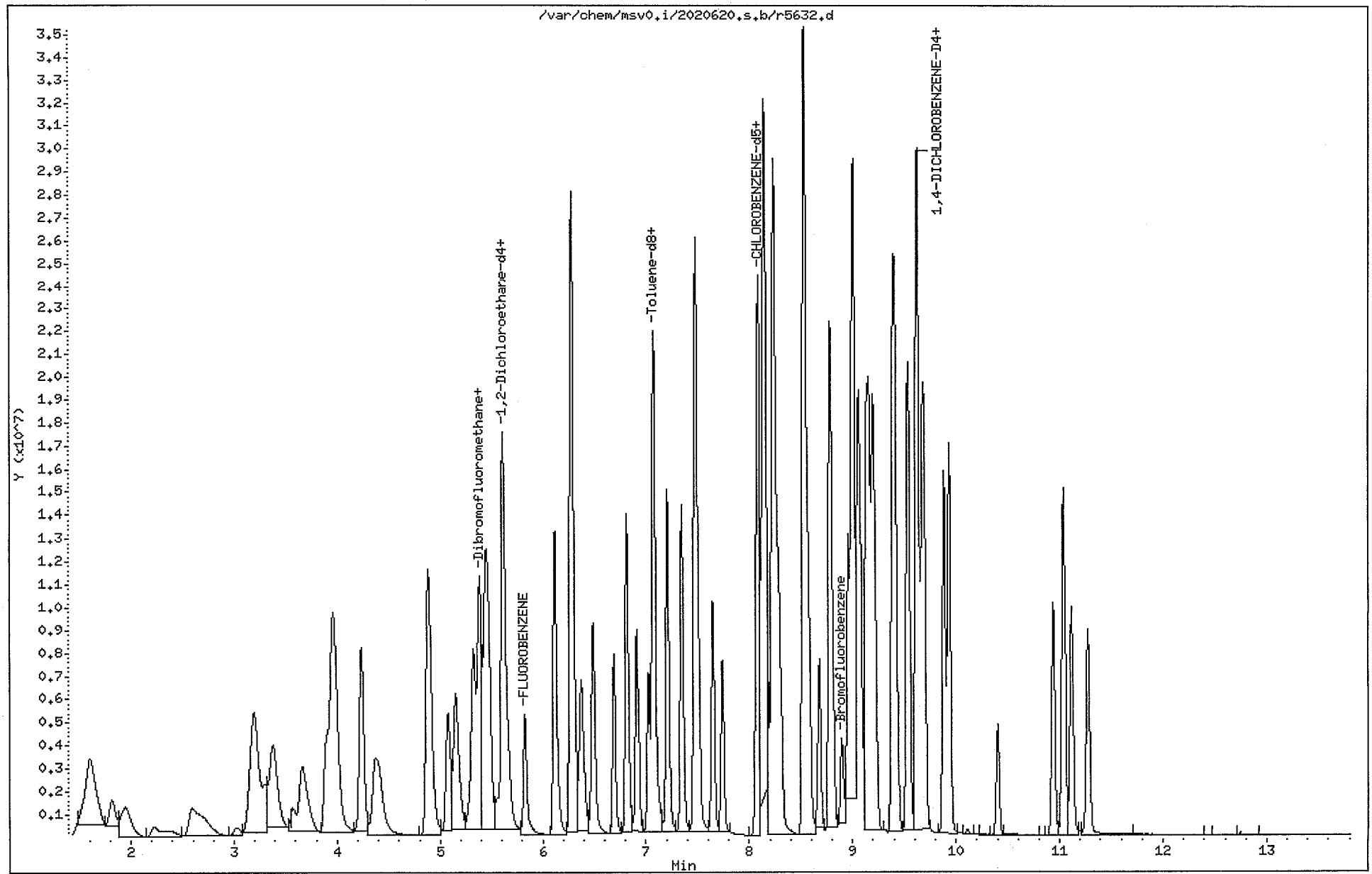
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000080

Data File: /var/chem/msv0.i/2020620.s.b/r5632.d
Date : 20-JUN-2002 12:55
Client ID: VOSTD200
Sample Info: VOSTD200*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i
Lab File ID: r5637.d
Analysis Type: WATER
Lab Sample ID: V1ICV050
Method: /var/chem/msv0.i/2020620.s.b/8260Bw0.m

Injection Date: 20-JUN-2002 15:00
Init. Cal. Date(s): 08-JUN-2002 20-JUN-2002
Init. Cal. Times: 09:00 14:38
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.12365	0.11097	0.000	-10.25089	50.00000	Averaged
	2 Chloromethane ++	0.21458	0.19572	0.100	-8.78901	50.00000	Averaged
	3 Vinyl Chloride +	0.18027	0.17319	0.000	-3.92863	20.00000	Averaged
	5 Bromomethane	0.05742	0.04947	0.005	-13.84955	50.00000	Averaged
	6 Chloroethane	0.05672	0.04801	0.010	-15.35584	50.00000	Averaged
	7 Trichlorofluoromethane	0.25798	0.22062	0.000	-14.48320	50.00000	Averaged
	8 Acrolein	0.00894	0.00765	0.000	-14.37285	50.00000	Averaged
	9 1,1-Dichloroethene +	0.13647	0.12202	0.000	-10.58972	20.00000	Averaged
	10 1,1,2Trichlorotrifluoroetha	0.15719	0.13590	0.000	-13.54240	50.00000	Averaged
	11 Acetone	0.06724	0.06344	0.000	-5.66294	50.00000	Averaged
	12 Methyl Iodide	0.32377	0.29005	0.000	-10.41583	50.00000	Averaged
	13 Carbon Disulfide	0.52493	0.47908	0.000	-8.73406	50.00000	Averaged
	14 Methylene Chloride	0.26423	0.23133	0.000	-12.45219	50.00000	Averaged
	15 Acrylonitrile	0.07080	0.07433	0.000	4.97297	50.00000	Averaged
	16 trans-1,2-Dichloroethene	0.25332	0.24079	0.000	-4.94749	50.00000	Averaged
	17 MTBE	0.61829	0.62037	0.000	0.33692	50.00000	Averaged
	19 1,1-Dichloroethane ++	0.35600	0.33368	0.100	-6.26762	50.00000	Averaged
	20 Vinyl Acetate	0.16734	0.14941	0.000	-10.71443	50.00000	Averaged
	21 cis-1,2-Dichloroethene	0.34998	0.33753	0.000	-3.55716	50.00000	Averaged
	22 2,2-Dichloropropane	0.31168	0.27578	0.000	-11.51921	50.00000	Averaged
	23 2-Butanone	0.10865	0.11215	0.000	3.22569	50.00000	Averaged
	24 Bromochloromethane	0.13603	0.13219	0.000	-2.81821	50.00000	Averaged
	25 Chloroform +	0.41819	0.38609	0.000	-7.67613	20.00000	Averaged
$	26 Dibromofluoromethane	0.25391	0.24309	0.000	-4.25867	50.00000	Averaged
	27 1,1,1-Trichloroethane	0.33564	0.32270	0.000	-3.85382	50.00000	Averaged
	29 1,1-Dichloropropene	0.27946	0.26881	0.000	-3.80972	50.00000	Averaged
	30 Carbon Tetrachloride	0.30247	0.28314	0.000	-6.39244	50.00000	Averaged
$	31 1,2-Dichloroethane-d4	0.14328	0.14182	0.000	-1.01878	50.00000	Averaged
	32 1,2-Dichloroethane	0.35592	0.33828	0.000	-4.95697	50.00000	Averaged
	33 Benzene	0.92631	0.86375	0.000	-6.75319	50.00000	Averaged
M	34 Total 1,2-Dichloroethene	0.20674	0.19277	0.000	-6.75830	50.00000	Averaged
	36 Trichloroethene	0.27618	0.29026	0.000	5.09670	50.00000	Averaged
	37 1,2-Dichloropropane +	0.29935	0.29114	0.000	-2.74208	20.00000	Averaged
	38 Dibromomethane	0.17548	0.17231	0.000	-1.81082	50.00000	Averaged
	39 Bromodichloromethane	0.38816	0.37526	0.000	-3.32189	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i
Lab File ID: r5637.d
Analysis Type: WATER
Lab Sample ID: V1ICV050
Method: /var/chem/msv0.i/2020620.s.b/8260Bw0.m

Injection Date: 20-JUN-2002 15:00
Init. Cal. Date(s): 08-JUN-2002 20-JUN-2002
Init. Cal. Times: 09:00 14:38
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	40 2-Chloroethyl vinyl ether	0.20689	0.22351	0.000	8.03452	50.00000	Averaged
	41 cis-1,3-Dichloropropene	0.49606	0.47949	0.000	-3.33912	50.00000	Averaged
	42 4-methyl-2-pentanone	0.33218	0.35327	0.000	6.35022	50.00000	Averaged
$	43 Toluene-d8	2.26795	2.18185	0.000	-3.79664	50.00000	Averaged
	44 Toluene +	1.16431	1.12242	0.000	-3.59715	20.00000	Averaged
	45 trans-1,3-Dichloropropene	0.49606	0.47949	0.000	-3.33912	50.00000	Averaged
	46 1,1,2-Trichloroethane	0.26818	0.26283	0.000	-1.99177	50.00000	Averaged
	47 1,3-Dichloropropane	0.47821	0.47856	0.000	0.07275	50.00000	Averaged
	48 Tetrachloroethene	0.20355	0.19095	0.000	-6.18995	50.00000	Averaged
	49 2-Hexanone	0.50969	0.53507	0.000	4.97926	50.00000	Averaged
	50 Dibromochloromethane	0.65558	0.65183	0.000	-0.57145	50.00000	Averaged
	51 1,2-Dibromoethane(EDB)	0.63927	0.61929	0.000	-3.12641	50.00000	Averaged
	53 Chlorobenzene ++	1.74219	1.69847	0.300	-2.50959	50.00000	Averaged
	54 1,1,1,2-Tetrachloroethane	0.59557	0.58487	0.000	-1.79501	50.00000	Averaged
	55 Ethylbenzene +	0.82173	0.80774	0.000	-1.70246	20.00000	Averaged
	56 p,m-Xylene	1.02098	0.97230	0.000	-4.76728	50.00000	Averaged
	57 o-Xylene	0.94263	0.89901	0.000	-4.62759	50.00000	Averaged
	58 Styrene	1.74022	1.68990	0.000	-2.89164	50.00000	Averaged
	59 Bromoform ++	0.38509	0.39246	0.100	1.91567	50.00000	Averaged
	60 Isopropylbenzene	2.65691	2.71816	0.000	2.30530	50.00000	Averaged
$	61 Bromofluorobenzene	1.01493	0.99679	0.000	-1.78711	50.00000	Averaged
	62 1,1,2,2-Tetrachloroethane++	1.51216	1.37197	0.300	-9.27109	50.00000	Averaged
	63 trans-1,4-Dichloro-2-Butene	0.34718	0.38502	0.000	10.89792	50.00000	Averaged
	64 1,2,3-Trichloropropane	1.80950	1.87510	0.000	3.62526	50.00000	Averaged
	65 Bromobenzene	2.85610	2.82919	0.000	-0.94211	50.00000	Averaged
	66 n-Propylbenzene	4.44381	4.39272	0.000	-1.14970	50.00000	Averaged
	67 2-Chlorotoluene	3.12396	3.17737	0.000	1.70965	50.00000	Averaged
	68 1,3,5-Trimethylbenzene	4.59640	4.71423	0.000	2.56373	50.00000	Averaged
	69 4-Chlorotoluene	3.01294	2.79266	0.000	-7.31141	50.00000	Averaged
	70 tert-butylbenzene	2.06786	2.03351	0.000	-1.66091	50.00000	Averaged
	71 1,2,4-Trimethylbenzene	2.11857	2.18015	0.000	2.90680	50.00000	Averaged
	72 sec-Butylbenzene	4.05156	4.11985	0.000	1.68539	50.00000	Averaged
	73 p-Isopropyltoluene	2.65575	2.63777	0.000	-0.67728	50.00000	Averaged
	74 1,3-Dichlorobenzene	1.62237	1.49077	0.000	-8.11128	50.00000	Averaged
	76 1,4-Dichlorobenzene	1.81423	1.80837	0.000	-0.32329	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 20-JUN-2002 15:00
Lab File ID: r5637.d Init. Cal. Date(s): 08-JUN-2002 20-JUN-2002
Analysis Type: WATER Init. Cal. Times: 09:00 14:38
Lab Sample ID: V1ICV050 Quant Type: ISTD
Method: /var/chem/msv0.i/2020620.s.b/8260Bw0.m

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	77 1,2-Dichlorobenzene	1.57128	1.52245	0.000	-3.10731	50.00000	Averaged
	78 n-Butylbenzene	2.31281	2.27598	0.000	-1.59245	50.00000	Averaged
M	79 TOTAL XYLENE	0.99486	0.94787	0.000	-4.72316	50.00000	Averaged
	80 1,2-Dibromo-3-Chloropropane	0.26074	0.26032	0.000	-0.16185	50.00000	Averaged
	81 1,2,4-Trichlorobenzene	0.81707	0.78173	0.000	-4.32451	50.00000	Averaged
	82 Hexachlorobutadiene	0.55265	0.50198	0.000	-9.16873	50.00000	Averaged
	83 Naphthalene	2.33447	2.38062	0.000	1.97689	50.00000	Averaged
	84 1,2,3-Trichlorobenzene	0.77084	0.73843	0.000	-4.20480	50.00000	Averaged
	132 Methyl Cyclohexane	0.44338	0.42343	0.050	-4.49916	50.00000	Averaged
	131 Methyl Acetate	0.12873	0.11936	0.050	-7.27721	50.00000	Averaged
	114 Hexane	0.27943	0.25882	0.050	-7.37765	50.00000	Averaged
	120 Cyclohexane	0.36671	0.34641	0.050	-5.53485	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620.s.b/r5637.d
Lab Smp Id: V1ICV050 Client Smp ID: V1ICV050
Inj Date : 20-JUN-2002 15:00
Operator : RJO Inst ID: msv0.i
Smp Info : V1ICV050
Misc Info : MSV~ICV~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 09:20 Cal File: r5330.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.679	1.679	(0.288)	641234	50.0000	44.9	(M)
2 Chloromethane ++	50	1.831	1.831	(0.314)	1130919	50.0000	45.6	
3 Vinyl Chloride +	62	1.943	1.943	(0.333)	1000742	50.0000	48.0	
5 Bromomethane	94	2.241	2.241	(0.385)	285844	50.0000	43.1	(M)
6 Chloroethane	64	2.354	2.354	(0.404)	277394	50.0000	42.3	
7 Trichlorofluoromethane	101	2.612	2.612	(0.448)	1274793	50.0000	42.8	(M)
8 Acrolein	56	3.036	3.036	(0.521)	221148	250.000	214	(A)
9 1,1-Dichloroethene +	96	3.181	3.181	(0.546)	705050	50.0000	44.7	(M)
10 1,1,2Trichlorotrifluoroethane	101	3.208	3.208	(0.550)	785266	50.0000	43.2	(M)
11 Acetone	43	3.228	3.228	(0.554)	366551	50.0000	47.2	
12 Methyl Iodide	142	3.320	3.320	(0.570)	1675968	50.0000	44.8	(M)
13 Carbon Disulfide	76	3.386	3.386	(0.581)	2768262	50.0000	45.6	(M)
14 Methylene Chloride	49	3.671	3.671	(0.630)	1336698	50.0000	43.8	
15 Acrylonitrile	53	3.909	3.909	(0.671)	2147362	250.000	262	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.969	3.969	(0.681)	1391348	50.0000	47.5	
	17 MTBE	73	3.975	3.975	(0.682)	3584673	50.0000	50.2	5597
	19 1,1-Dichloroethane ++	63	4.366	4.366	(0.749)	1928124	50.0000	46.9	(M)
	20 Vinyl Acetate	43	4.240	4.240	(0.727)	863348	50.0000	44.6	
	21 cis-1,2-Dichloroethene	61	4.889	4.889	(0.839)	1950324	50.0000	48.2	
	22 2,2-Dichloropropane	77	4.895	4.895	(0.840)	1593518	50.0000	44.2	
	23 2-Butanone	43	4.895	4.895	(0.840)	648064	50.0000	51.6	
	24 Bromochloromethane	128	5.081	5.081	(0.872)	763851	50.0000	48.6	
	25 Chloroform +	83	5.154	5.154	(0.884)	2230934	50.0000	46.2	
$	26 Dibromofluoromethane	111	5.286	5.286	(0.907)	1404659	50.0000	47.9	6445
	27 1,1,1-Trichloroethane	97	5.332	5.332	(0.915)	1864677	50.0000	48.1	
	29 1,1-Dichloropropene	75	5.445	5.445	(0.934)	1553270	50.0000	48.1	
	30 Carbon Tetrachloride	117	5.478	5.478	(0.940)	1636041	50.0000	46.8	
$	31 1,2-Dichloroethane-d4	67	5.557	5.557	(0.953)	819479	50.0000	49.5	
	32 1,2-Dichloroethane	62	5.624	5.624	(0.965)	1954670	50.0000	47.5	
	33 Benzene	78	5.610	5.610	(0.963)	4991026	50.0000	46.6	(M)
M	34 Total 1,2-Dichloroethene	61				3341672	150.000	95.7	
*	35 FLUOROBENZENE	96	5.829	5.829	(1.000)	5778290	50.0000		
	36 Trichloroethene	130	6.120	6.120	(1.050)	1677194	50.0000	52.5	
	37 1,2-Dichloropropane +	63	6.285	6.285	(1.078)	1682274	50.0000	48.6	
	38 Dibromomethane	93	6.378	6.378	(1.094)	995633	50.0000	49.1	
	39 Bromodichloromethane	83	6.491	6.491	(1.114)	2168382	50.0000	48.3	
	40 2-Chloroethyl vinyl ether	63	6.689	6.689	(1.148)	1291491	50.0000	54.0	
	41 cis-1,3-Dichloropropene	75	6.815	6.815	(1.169)	2770640	50.0000	48.3	
	42 4-methyl-2-pentanone	43	6.914	6.914	(1.186)	2041322	50.0000	53.2	
$	43 Toluene-d8	98	7.027	7.027	(0.871)	5761770	50.0000	48.1	
	44 Toluene +	91	7.073	7.073	(1.213)	6485691	50.0000	48.2	(M)
	45 trans-1,3-Dichloropropene	75	6.815	6.815	(1.169)	2770640	50.0000	48.3	
	46 1,1,2-Trichloroethane	97	7.344	7.344	(1.260)	1518729	50.0000	49.0	
	47 1,3-Dichloropropane	76	7.470	7.470	(1.282)	2765230	50.0000	50.0	
	48 Tetrachloroethene	164	7.483	7.483	(1.284)	1103361	50.0000	46.9	
	49 2-Hexanone	43	7.510	7.510	(0.931)	1413003	50.0000	52.5	
	50 Dibromochloromethane	129	7.642	7.642	(0.947)	1721349	50.0000	49.7	
	51 1,2-Dibromoethane(EDB)	107	7.735	7.735	(0.959)	1635394	50.0000	48.4	
*	52 CHLOROBENZENE-d5	82	8.066	8.066	(1.000)	2640775	50.0000		
	53 Chlorobenzene ++	112	8.092	8.092	(1.003)	4485265	50.0000	48.7	
	54 1,1,1,2-Tetrachloroethane	133	8.139	8.139	(1.009)	1544523	50.0000	49.1	
	55 Ethylbenzene +	106	8.159	8.159	(1.011)	2133072	50.0000	49.1	
	56 p,m-Xylene	106	8.238	8.238	(1.021)	5135265	100.000	95.2	
	57 o-Xylene	106	8.523	8.523	(1.057)	2374078	50.0000	47.7	
	58 Styrene	104	8.529	8.529	(1.057)	4462635	50.0000	48.6	
	59 Bromoform ++	173	8.675	8.675	(1.075)	1036407	50.0000	51.0	
	60 Isopropylbenzene	105	8.774	8.774	(1.088)	7178045	50.0000	51.2	
$	61 Bromofluorobenzene	174	8.893	8.893	(0.921)	1517748	50.0000	49.1	
	62 1,1,2,2-Tetrachloroethane++	83	8.959	8.959	(0.927)	2089002	50.0000	45.4	
	63 trans-1,4-Dichloro-2-Butene	53	8.986	8.986	(0.930)	586238	50.0000	55.4	
	64 1,2,3-Trichloropropane	75	8.992	8.992	(0.931)	2855081	50.0000	51.8	

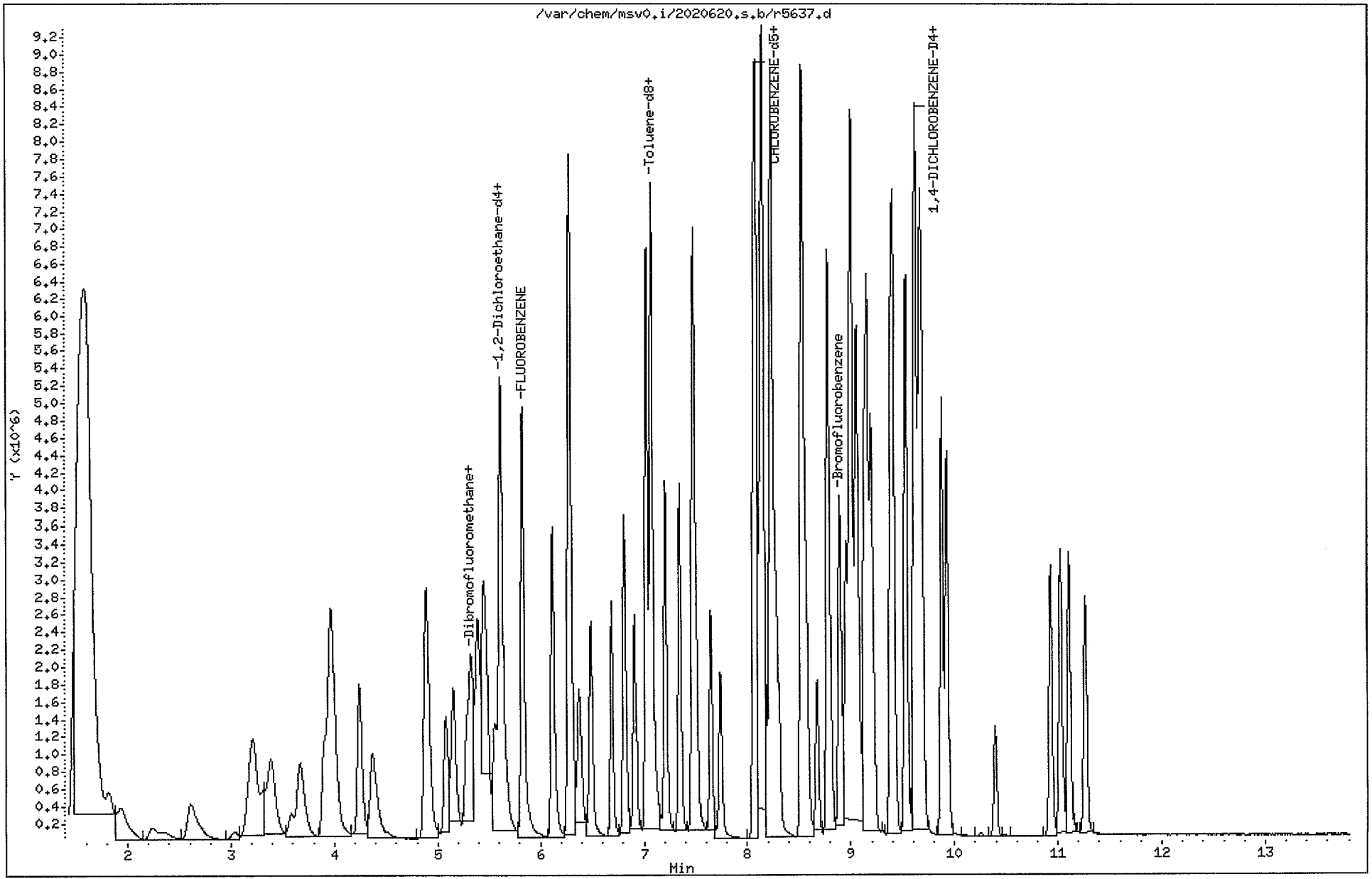
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
65 Bromobenzene	77	9.006	9.006	(0.932)	4307815	50.0000	49.5	
66 n-Propylbenzene	91	9.059	9.059	(0.938)	6688500	50.0000	49.4	
67 2-Chlorotoluene	91	9.138	9.138	(0.946)	4837966	50.0000	50.9	
68 1,3,5-Trimethylbenzene	105	8.774	8.774	(0.908)	7178045	50.0000	51.3	
69 4-Chlorotoluene	91	9.198	9.198	(0.952)	4252186	50.0000	46.3	
70 tert-butylbenzene	91	9.390	9.390	(0.972)	3096291	50.0000	49.2	(H)
71 1,2,4-Trimethylbenzene	105	9.416	9.416	(0.975)	3319565	50.0000	51.5	
72 sec-Butylbenzene	105	9.535	9.535	(0.987)	6273008	50.0000	50.8	
73 p-Isopropyltoluene	119	9.615	9.615	(0.995)	4016347	50.0000	49.7	
74 1,3-Dichlorobenzene	146	9.628	9.628	(0.997)	2269900	50.0000	45.9	
* 75 1,4-DICHLOROBENZENE-D4	152	9.661	9.661	(1.000)	1522632	50.0000		
76 1,4-Dichlorobenzene	146	9.681	9.681	(1.002)	2753481	50.0000	49.8	
77 1,2-Dichlorobenzene	146	9.926	9.926	(1.027)	2318138	50.0000	48.4	
78 n-Butylbenzene	91	9.873	9.873	(1.022)	3465480	50.0000	49.2	
M 79 TOTAL XYLENE	106				7509343	150.000	143	
80 1,2-Dibromo-3-Chloropropane	157	10.396	10.396	(1.076)	396367	50.0000	49.9	
81 1,2,4-Trichlorobenzene	180	10.932	10.932	(1.132)	1190294	50.0000	47.8	
82 Hexachlorobutadiene	225	11.031	11.031	(1.142)	764334	50.0000	45.4	
83 Naphthalene	128	11.104	11.104	(1.149)	3624810	50.0000	51.0	
84 1,2,3-Trichlorobenzene	180	11.263	11.263	(1.166)	1124350	50.0000	47.9	
132 Methyl Cyclohexane	83	6.279	6.279	(1.077)	2446702	50.0000	47.8	2471
131 Methyl Acetate	43	3.975	3.975	(0.682)	689716	50.0000	46.4	5597
114 Hexane	57	4.240	4.240	(0.727)	1495528	50.0000	46.3	4596 (H)
120 Cyclohexane	56	5.398	5.398	(0.926)	2001662	50.0000	47.2	2205

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv0.i/2020620.s.b/r5637.d
Date : 20-JUN-2002 15:00
Client ID: V1ICV050
Sample Info: V1ICV050
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



180000

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date: 06/20/02 Time: 1652

Lab File ID: R5640 Init. Calib. Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Init. Calib. Times: 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.124	0.114		8.1	50.0
Chloromethane ++	0.215	0.200	0.100	7.0	50.0
Vinyl Chloride +	0.180	0.184		-2.2	20.0
Bromomethane	0.057	0.049	0.005	14.0	50.0
Chloroethane	0.057	0.042		26.3	
Trichlorofluoromethane	0.258	0.217		15.9	50.0
Acrolein	0.009	0.008		11.1	50.0
1,1-Dichloroethene +	0.137	0.123		10.2	20.0
1,1,2Trichlorotrifluoroethan	0.157	0.142		9.6	50.0
Acetone	0.067	0.057		14.9	50.0
Methyl Iodide	0.324	0.313		3.4	50.0
Carbon Disulfide	0.525	0.477		9.1	50.0
Methylene Chloride	0.264	0.221		16.3	50.0
Acrylonitrile	0.071	0.072		-1.4	50.0
trans-1,2-Dichloroethene	0.253	0.229		9.5	50.0
MTBE	0.618	0.598		3.2	50.0
1,1-Dichloroethane ++	0.356	0.326	0.100	8.4	50.0
Vinyl Acetate	0.167	0.154		7.8	50.0
cis-1,2-Dichloroethene	0.350	0.322		8.0	50.0
2,2-Dichloropropane	0.312	0.277		11.2	50.0
2-Butanone	0.108	0.105		2.8	50.0
Bromochloromethane	0.136	0.129		5.1	50.0
Chloroform +	0.418	0.366		12.4	20.0
1,1,1-Trichloroethane	0.336	0.296		11.9	50.0
Total 1,2-Dichloroethene	0.207	0.184		11.1	50.0
1,1-Dichloropropene	0.279	0.280		-0.4	50.0
Carbon Tetrachloride	0.303	0.270		10.9	50.0
1,2-Dichloroethane	0.356	0.339		4.8	50.0
Benzene	0.926	0.966		-4.3	50.0
Trichloroethene	0.276	0.267		3.3	50.0
1,2-Dichloropropane +	0.299	0.282		5.7	20.0
Dibromomethane	0.175	0.166		5.1	50.0
Bromodichloromethane	0.388	0.356		8.2	50.0
2-Chloroethyl vinyl ether	0.207	0.218		-5.3	50.0
cis-1,3-Dichloropropene	0.496	0.472		4.8	50.0
4-methyl-2-pentanone	0.332	0.341		-2.7	50.0
Toluene +	1.164	1.052		9.6	20.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date: 06/20/02 Time: 1652

Lab File ID: R5640 Init. Calib. Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Init. Calib. Times: 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
trans-1,3-Dichloropropene	0.496	0.432		12.9	50.0
1,1,2-Trichloroethane	0.268	0.253		5.6	50.0
1,3-Dichloropropane	0.478	0.461		3.6	50.0
Tetrachloroethene	0.204	0.182		10.8	50.0
2-Hexanone	0.510	0.556		-9.0	50.0
Dibromochloromethane	0.656	0.670		-2.1	50.0
1,2-Dibromoethane(EDB)	0.639	0.644		-0.8	50.0
Chlorobenzene ++	1.742	1.746	0.300	-0.2	50.0
1,1,1,2-Tetrachloroethane	0.595	0.604		-1.5	50.0
Ethylbenzene +	0.822	0.778		5.4	20.0
p,m-Xylene	1.021	0.909		11.0	50.0
o-Xylene	0.943	0.815		13.6	50.0
Styrene	1.740	1.608		7.6	50.0
Bromoform ++	0.385	0.404	0.100	-4.9	50.0
Isopropylbenzene	2.657	2.622		1.3	50.0
1,1,2,2-Tetrachloroethane++	1.512	1.852	0.300	-22.5	50.0
trans-1,4-Dichloro-2-Butene	0.347	0.499		-43.8	50.0
1,2,3-Trichloropropane	1.809	2.372		-31.1	50.0
Bromobenzene	2.856	3.488		-22.1	50.0
n-Propylbenzene	4.444	5.016		-12.9	50.0
2-Chlorotoluene	3.124	3.151		-0.9	50.0
1,3,5-Trimethylbenzene	2.021	2.082		-3.0	50.0
4-Chlorotoluene	3.013	2.897		3.8	50.0
tert-butylbenzene	2.068	2.198		-6.3	50.0
1,2,4-Trimethylbenzene	2.118	2.257		-6.6	50.0
sec-Butylbenzene	4.052	4.414		-8.9	50.0
p-Isopropyltoluene	2.656	2.673		-0.6	50.0
1,3-Dichlorobenzene	1.622	1.791		-10.4	50.0
1,4-Dichlorobenzene	1.814	1.623		10.5	50.0
TOTAL XYLENE	0.995	0.878		11.8	50.0
n-Butylbenzene	2.313	2.364		-2.2	50.0
1,2-Dichlorobenzene	1.571	1.566		0.3	50.0
1,2-Dibromo-3-Chloropropane	0.261	0.323		-23.8	50.0
1,2,4-Trichlorobenzene	0.817	0.946		-15.8	50.0
Hexachlorobutadiene	0.553	0.570		-3.1	50.0
Naphthalene	2.334	3.001		-28.6	50.0
1,2,3-Trichlorobenzene	0.771	0.916		-18.8	50.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV0 Calibration Date: 06/20/02 Time: 1652

Lab File ID: R5640 Init. Calib. Date(s): 06/20/02 06/20/02

Heated Purge: (Y/N) N Init. Calib. Times: 1029 1438

GC Column: DB-624-30M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Hexane	0.279	0.261	0.050	6.4	50.0
Cyclohexane	0.367	0.356	0.050	3.0	50.0
Methyl Acetate	0.129	0.112	0.050	13.2	50.0
Methyl Cyclohexane	0.443	0.429	0.050	3.2	50.0
Dibromofluoromethane	0.254	0.229		9.8	50.0
1,2-Dichloroethane-d4	0.143	0.148		-3.5	50.0
Toluene-d8	2.268	2.260		0.4	50.0
Bromofluorobenzene	1.015	1.175		-15.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Data File: /var/chem/msv0.i/2020620p.s.b/r5639.d

Date : 20-JUN-2002 16:13

Client ID: 0620V0BFB02

Instrument: msv0.i

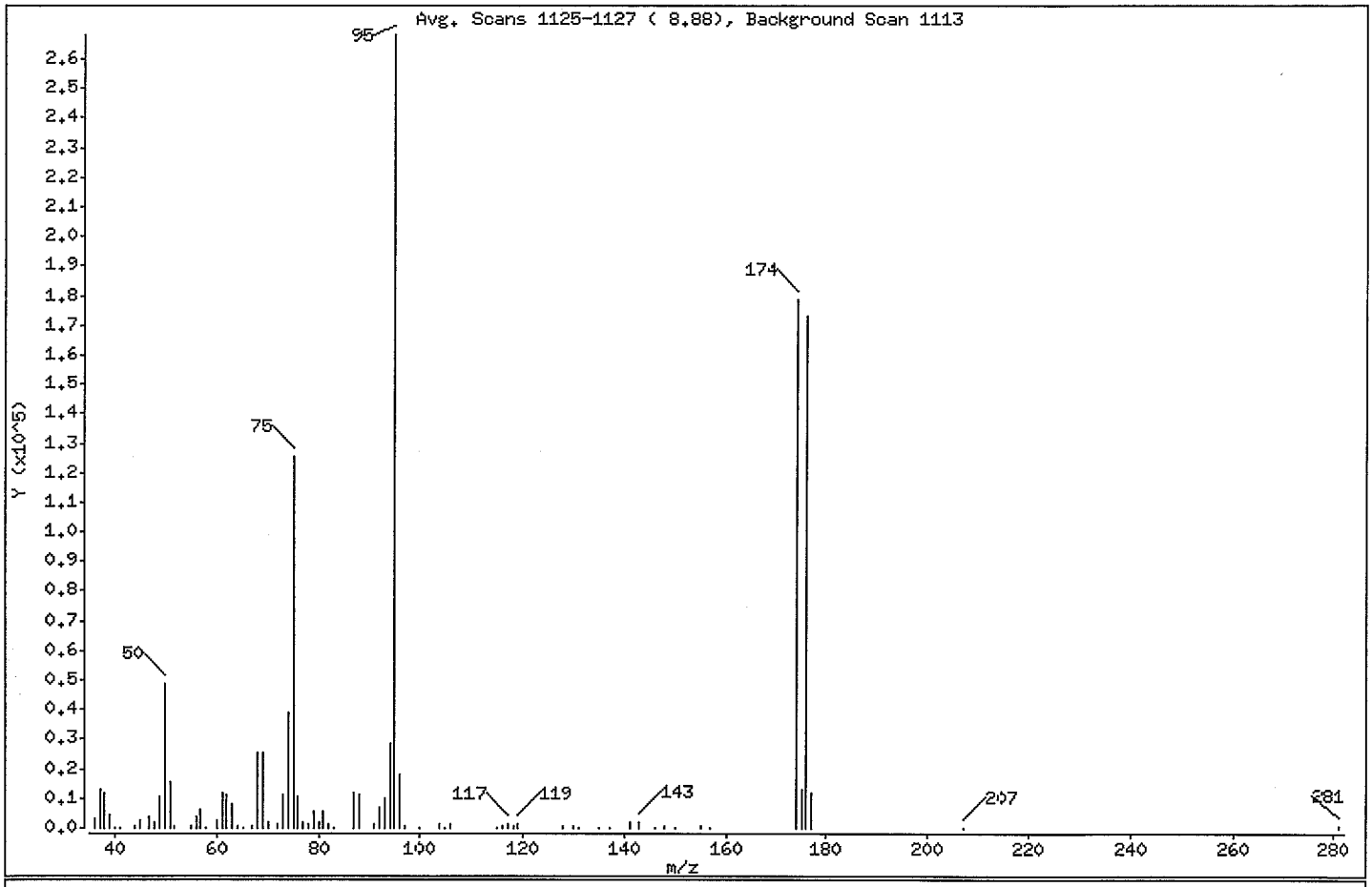
Sample Info: 0620V0BFB02*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.23
75	30.00 - 60.00% of mass 95	46.76
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.99% of mass 95	66.62
175	5.00 - 9.00% of mass 174	4.93 (7.40)
176	95.00 - 101.00% of mass 174	64.46 (96.75)
177	5.00 - 9.00% of mass 176	4.39 (6.81)

Data File: /var/chem/msv0.i/2020620p.s.b/r5639.d

Date : 20-JUN-2002 16:13

Client ID: 0620V0BFB02

Instrument: msv0.i

Sample Info: 0620V0BFB02*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

Data File: r5639.d
Spectrum: Avg. Scans 1125-1127 (8.88), Background Scan 1113
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3021	62.00	10915	87.00	11822	131.00	285
37.00	13081	63.00	7984	88.00	11078	135.00	301
38.00	11456	64.00	738	91.00	1207	137.00	189
39.00	4059	65.00	148	92.00	6819	141.00	1941
40.00	222	67.00	762	93.00	9576	143.00	2040
41.00	178	68.00	25112	94.00	28400	146.00	149
44.00	859	69.00	25152	95.00	268032	148.00	585
45.00	2673	70.00	1904	96.00	18160	150.00	166
47.00	3953	72.00	1312	97.00	614	155.00	535
48.00	1756	73.00	10930	100.00	7	157.00	144
49.00	10731	74.00	38808	104.00	992	174.00	178560
50.00	48856	75.00	125344	105.00	131	175.00	13220
51.00	15184	76.00	10696	106.00	978	176.00	172736
52.00	809	77.00	1664	115.00	141	177.00	11762
55.00	770	78.00	1408	116.00	813	207.00	136
56.00	3609	79.00	5710	117.00	1493	281.00	507
57.00	6250	80.00	1544	118.00	806		
58.00	307	81.00	5674	119.00	1146		
60.00	2515	82.00	1051	128.00	832		
61.00	11598	83.00	148	130.00	888		

Data File: /var/chem/msv0.i/2020620p.s.b/r5639.d

Date : 20-JUN-2002 16:13

Client ID: 0620V0BFB02

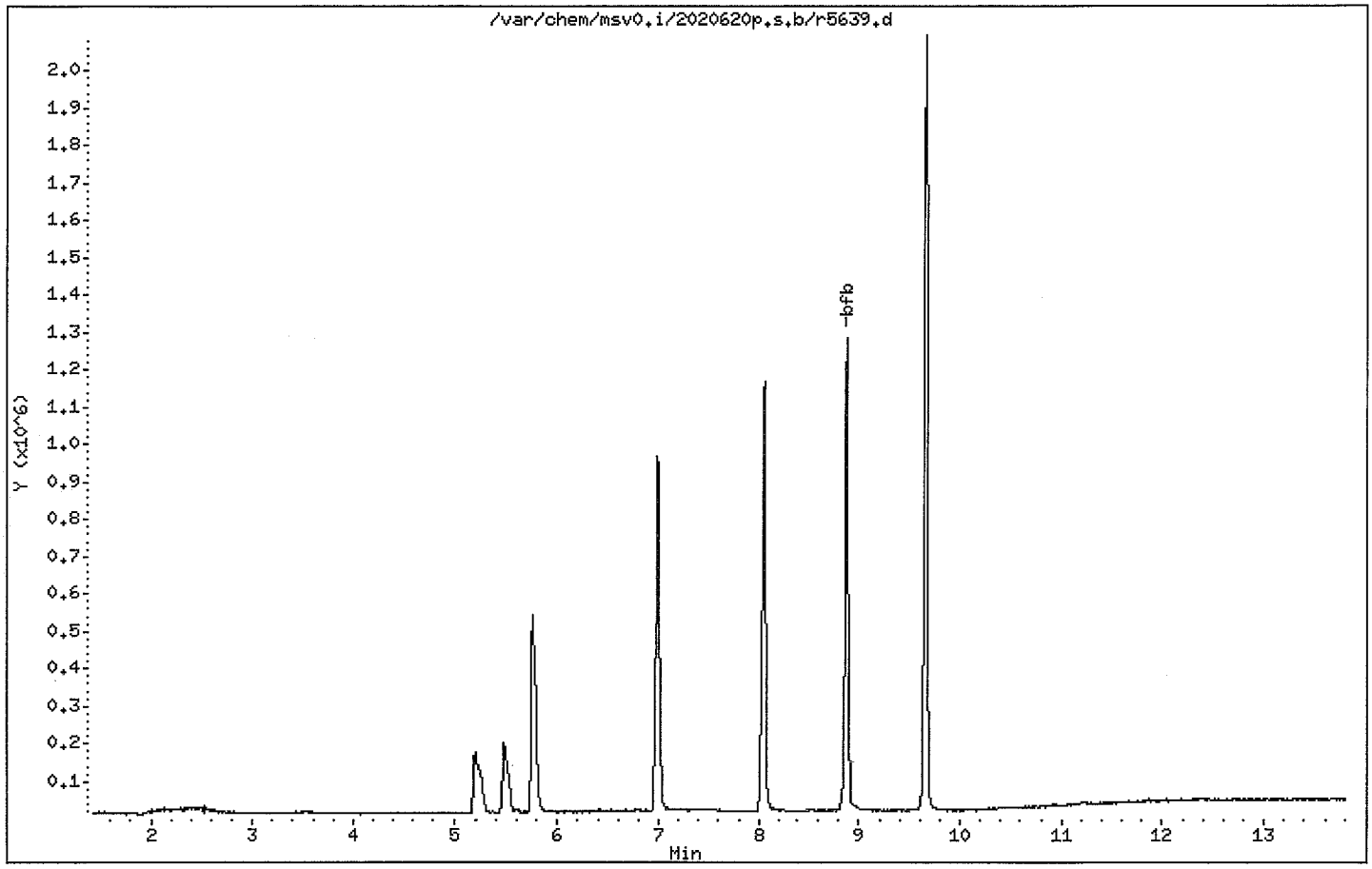
Instrument: msv0.i

Sample Info: 0620V0BFB02*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5640.d
Lab Smp Id: V0STD050 Client Smp ID: V0STD050
Inj Date : 20-JUN-2002 16:52
Operator : RJO Inst ID: msv0.i
Smp Info : V0STD050*4-13-6
Misc Info : MSV~CCV~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.669	1.669	(0.286)	770428	50.0000	46.0	
2 Chloromethane ++	50	1.841	1.841	(0.316)	1351023	50.0000	46.5	
3 Vinyl Chloride +	62	1.941	1.941	(0.333)	1245934	50.0000	51.1	
5 Bromomethane	94	2.239	2.239	(0.384)	330870	50.0000	42.6	
6 Chloroethane	64	2.344	2.344	(0.402)	282161	50.0000	36.7	
7 Trichlorofluoromethane	101	2.609	2.609	(0.447)	1471926	50.0000	42.1	
8 Acrolein	56	3.039	3.039	(0.521)	277513	250.000	229	(A)
9 1,1-Dichloroethene +	96	3.165	3.165	(0.543)	832425	50.0000	45.1	
10 1,1,2Trichlorotrifluoroethane	101	3.198	3.198	(0.548)	957973	50.0000	45.0	
11 Acetone	43	3.245	3.245	(0.556)	384550	50.0000	42.2	
12 Methyl Iodide	142	3.317	3.317	(0.569)	2118046	50.0000	48.3	
13 Carbon Disulfide	76	3.390	3.390	(0.581)	3229293	50.0000	45.4	
14 Methylene Chloride	49	3.668	3.668	(0.629)	1497693	50.0000	41.9	
15 Acrylonitrile	53	3.913	3.913	(0.671)	2431806	250.000	254	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.959	3.959	(0.679)	1551268	50.0000	45.2	
	17 MTBE	73	3.986	3.986	(0.683)	4048807	50.0000	48.4	5613
	19 1,1-Dichloroethane ++	63	4.363	4.363	(0.748)	2206665	50.0000	45.8	
	20 Vinyl Acetate	43	4.244	4.244	(0.728)	1042038	50.0000	46.0	
	21 cis-1,2-Dichloroethene	61	4.879	4.879	(0.837)	2183636	50.0000	46.1	
	22 2,2-Dichloropropane	77	4.893	4.893	(0.839)	1873190	50.0000	44.4	
	23 2-Butanone	43	4.899	4.899	(0.840)	713596	50.0000	48.5	
	24 Bromochloromethane	128	5.078	5.078	(0.871)	876485	50.0000	47.6	
	25 Chloroform +	83	5.151	5.151	(0.883)	2474995	50.0000	43.7	
$	26 Dibromofluoromethane	111	5.283	5.283	(0.906)	1549046	50.0000	45.1	6520
	27 1,1,1-Trichloroethane	97	5.323	5.323	(0.913)	2002777	50.0000	44.1	
	29 1,1-Dichloropropene	75	5.455	5.455	(0.935)	1899192	50.0000	50.2	
	30 Carbon Tetrachloride	117	5.469	5.469	(0.938)	1830254	50.0000	44.7	
$	31 1,2-Dichloroethane-d4	67	5.561	5.561	(0.953)	1003868	50.0000	51.8	
	32 1,2-Dichloroethane	62	5.621	5.621	(0.964)	2296124	50.0000	47.7	
	33 Benzene	78	5.614	5.614	(0.963)	6538549	50.0000	52.1	
M	34 Total 1,2-Dichloroethene	61				3734904	150.000	91.3	
*	35 FLUOROBENZENE	96	5.833	5.833	(1.000)	6768950	50.0000		
	36 Trichloroethene	130	6.124	6.124	(1.050)	1805346	50.0000	48.3	
	37 1,2-Dichloropropane +	63	6.289	6.289	(1.078)	1910922	50.0000	47.2	
	38 Dibromomethane	93	6.375	6.375	(1.093)	1124351	50.0000	47.3	
	39 Bromodichloromethane	83	6.488	6.488	(1.112)	2407471	50.0000	45.8	
	40 2-Chloroethyl vinyl ether	63	6.693	6.693	(1.148)	1477305	50.0000	52.7	
	41 cis-1,3-Dichloropropene	75	6.819	6.819	(1.169)	3196423	50.0000	47.6	
	42 4-methyl-2-pentanone	43	6.918	6.918	(1.186)	2308599	50.0000	51.3	
$	43 Toluene-d8	98	7.024	7.024	(0.870)	6424768	50.0000	49.8	
	44 Toluene +	91	7.077	7.077	(1.213)	7121277	50.0000	45.2	
	45 trans-1,3-Dichloropropene	75	7.209	7.209	(1.236)	2922542	50.0000	43.5	(H)
	46 1,1,2-Trichloroethane	97	7.348	7.348	(1.260)	1712537	50.0000	47.2	
	47 1,3-Dichloropropane	76	7.474	7.474	(1.281)	3118569	50.0000	48.2	
	48 Tetrachloroethene	164	7.487	7.487	(1.284)	1231830	50.0000	44.7	
	49 2-Hexanone	43	7.514	7.514	(0.931)	1581920	50.0000	54.6	
	50 Dibromochloromethane	129	7.646	7.646	(0.948)	1903339	50.0000	51.1	
	51 1,2-Dibromoethane(EDB)	107	7.739	7.739	(0.959)	1832202	50.0000	50.4	
*	52 CHLOROBENZENE-d5	82	8.070	8.070	(1.000)	2842429	50.0000		
	53 Chlorobenzene ++	112	8.096	8.096	(1.003)	4962271	50.0000	50.1	
	54 1,1,1,2-Tetrachloroethane	133	8.136	8.136	(1.008)	1717777	50.0000	50.7	
	55 Ethylbenzene +	106	8.162	8.162	(1.011)	2210648	50.0000	47.3	
	56 p,m-Xylene	106	8.242	8.242	(1.021)	5167863	100.000	89.0	
	57 o-Xylene	106	8.526	8.526	(1.057)	2316458	50.0000	43.2	
	58 Styrene	104	8.533	8.533	(1.057)	4571954	50.0000	46.2	
	59 Bromoform ++	173	8.679	8.679	(1.075)	1148696	50.0000	52.5	
	60 Isopropylbenzene	105	8.785	8.785	(1.089)	7453107	50.0000	49.3	
$	61 Bromofluorobenzene	174	8.897	8.897	(0.921)	1573720	50.0000	57.9	
	62 1,1,2,2-Tetrachloroethane++	83	8.957	8.957	(0.927)	2480843	50.0000	61.2	
	63 trans-1,4-Dichloro-2-Butene	53	8.990	8.990	(0.930)	668391	50.0000	71.9	
	64 1,2,3-Trichloropropane	75	8.996	8.996	(0.931)	3177251	50.0000	65.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	65 Bromobenzene	77	9.010	9.010	(0.932)	4671575	50.0000	61.1	
	66 n-Propylbenzene	91	9.063	9.063	(0.938)	6718278	50.0000	56.4	
	67 2-Chlorotoluene	91	9.142	9.142	(0.946)	4220374	50.0000	50.4	
	68 1,3,5-Trimethylbenzene	105	9.162	9.162	(0.948)	2787727	50.0000	51.5	(H)
	69 4-Chlorotoluene	91	9.208	9.208	(0.953)	3880215	50.0000	48.1	
	70 tert-butylbenzene	91	9.393	9.393	(0.972)	2943816	50.0000	53.1	(H)
	71 1,2,4-Trimethylbenzene	105	9.420	9.420	(0.975)	3022783	50.0000	53.3	
	72 sec-Butylbenzene	105	9.539	9.539	(0.987)	5911939	50.0000	54.5	
	73 p-Isopropyltoluene	119	9.618	9.618	(0.995)	3579444	50.0000	50.3	
	74 1,3-Dichlorobenzene	146	9.632	9.632	(0.997)	2398985	50.0000	55.2	
*	75 1,4-DICHLOROBENZENE-D4	152	9.665	9.665	(1.000)	1339267	50.0000		
	76 1,4-Dichlorobenzene	146	9.685	9.685	(1.002)	2173438	50.0000	44.7	
	77 1,2-Dichlorobenzene	146	9.930	9.930	(1.027)	2096717	50.0000	49.8	
	78 n-Butylbenzene	91	9.877	9.877	(1.022)	3166595	50.0000	51.1	
M	79 TOTAL XYLENE	106				7484321	150.000	132	
	80 1,2-Dibromo-3-Chloropropane	157	10.400	10.400	(1.076)	433227	50.0000	62.0	
	81 1,2,4-Trichlorobenzene	180	10.936	10.936	(1.131)	1266650	50.0000	57.9	
	82 Hexachlorobutadiene	225	11.035	11.035	(1.142)	762915	50.0000	51.5	
	83 Naphthalene	128	11.108	11.108	(1.149)	4019458	50.0000	64.3	
	84 1,2,3-Trichlorobenzene	180	11.273	11.273	(1.166)	1227031	50.0000	59.4	
	132 Methyl Cyclohexane	83	6.283	6.283	(1.077)	2902264	50.0000	48.4	2459
	131 Methyl Acetate	43	3.986	3.986	(0.683)	756785	50.0000	43.4	5613
	114 Hexane	57	4.244	4.244	(0.728)	1766368	50.0000	46.7	4789 (H)
	120 Cyclohexane	56	5.389	5.389	(0.924)	2409358	50.0000	48.5	1901

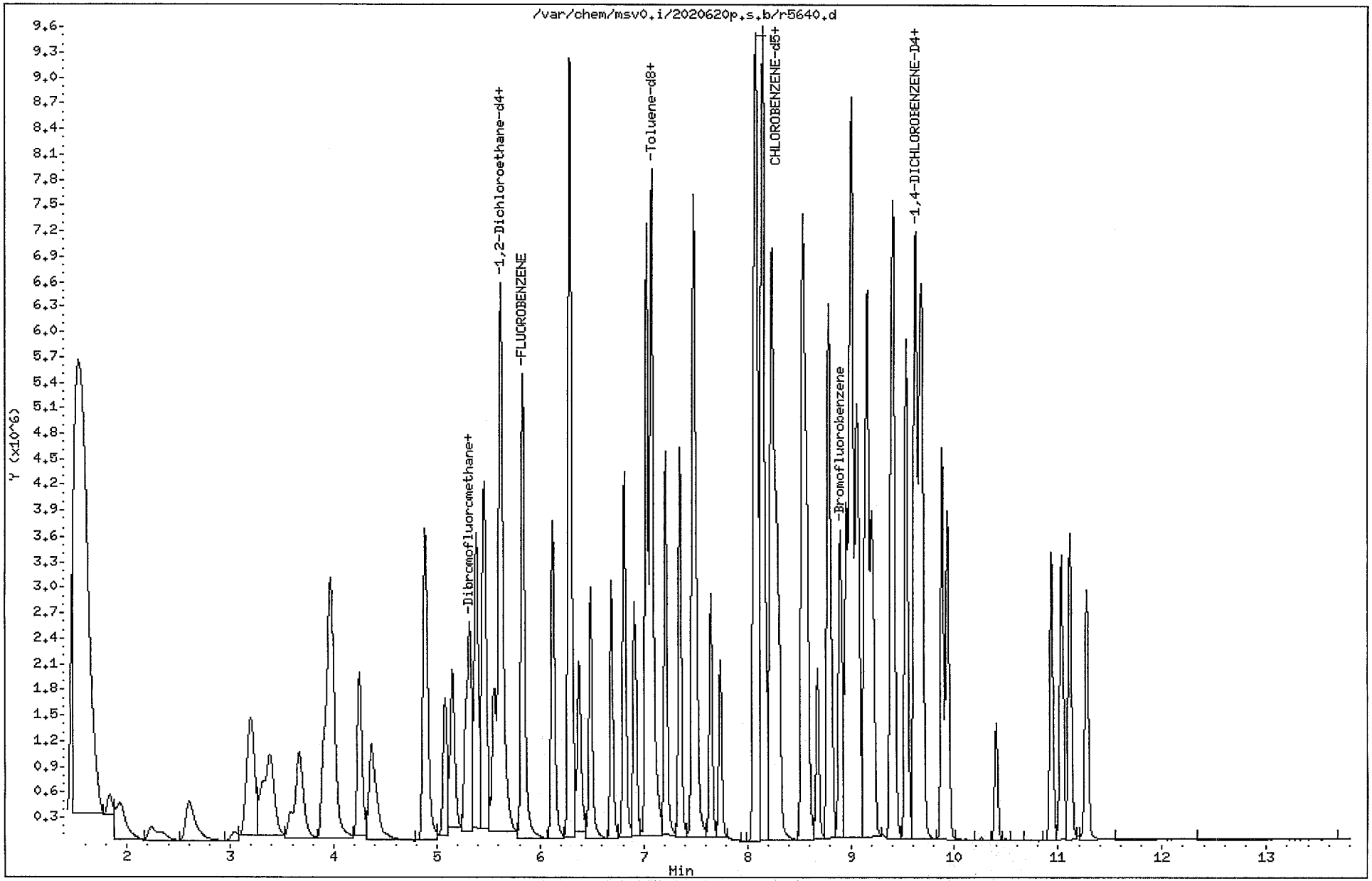
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

0000097

Data File: /var/chem/msv0.i/2020620p.s.b/r5640.d
Date : 20-JUN-2002 16:52
Client ID: V0STD050
Sample Info: V0STD050*4-13-6
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RJO
Column diameter: 0.53



6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Calibration Time(s): 1410 1625

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R7736 RRF20 =R7731
RRF50 =R7732 RRF100=R7733 RRF200=R7734

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane ++ *	0.324	0.310	0.305	0.330	0.334	0.321	3.9*
Vinyl Chloride +	0.252	0.274	0.273	0.299	0.306	0.281	7.9
Bromomethane	0.155	0.142	0.134	0.135	0.137	0.141	6.1
Chloroethane	0.146	0.167	0.173	0.183	0.171	0.168	8.2
Trichlorofluoromethane	0.170	0.204	0.208	0.225	0.244	0.210	13.1
Acrolein *	0.046	0.048	0.049	0.052	0.054	0.050	6.7*
1,1-Dichloroethene +	0.151	0.164	0.169	0.179	0.187	0.170	8.0
1,1,2Trichlotrifluoroethane	0.140	0.159	0.161	0.174	0.190	0.165	11.4
Acetone	0.160	0.101	0.082	0.071	0.072	0.097	38.2
Methyl Iodide	0.262	0.277	0.286	0.283	0.284	0.278	3.6
Carbon Disulfide *	0.820	0.820	0.849	0.883	0.902	0.855	4.3*
Methylene Chloride *	0.720	0.415	0.380	0.383	0.384	0.456	32.4*
Acrylonitrile	0.093	0.096	0.102	0.101	0.104	0.099	4.3
trans-1,2-Dichloroethene *	0.368	0.369	0.375	0.395	0.397	0.381	3.8*
MTBE *	0.567	0.587	0.594	0.610	0.622	0.596	3.5*
Hexane *	0.427	0.454	0.466	0.492	0.518	0.471	7.4*
1,1-Dichloroethane ++ *	0.466	0.479	0.478	0.504	0.506	0.487	3.6*
Vinyl Acetate *	0.309	0.324	0.334	0.346	0.361	0.335	6.0*
2,2-Dichloropropane *	0.259	0.294	0.297	0.316	0.324	0.298	8.4*
cis-1,2-Dichloroethene *	0.419	0.428	0.428	0.450	0.458	0.437	3.8*
2-Butanone *	0.195	0.156	0.158	0.153	0.162	0.165	10.5*
Bromochloromethane *	0.108	0.113	0.114	0.118	0.120	0.115	3.9*
Chloroform + *	0.384	0.385	0.384	0.398	0.407	0.392	2.7*
Hexachlorobutadiene *	0.513	0.509	0.530	0.510	0.542	0.521	2.8*
1,1,1-Trichloroethane *	0.242	0.272	0.276	0.293	0.301	0.277	8.2*
1,1-Dichloropropene *	0.323	0.342	0.344	0.364	0.374	0.349	5.7*
Carbon Tetrachloride *	0.192	0.221	0.227	0.244	0.259	0.229	11.1*
Total 1,2-Dichloroethene *	0.393	0.398	0.401	0.423	0.427	0.408	3.8*
Napthalene *	3.252	2.121	2.226	1.967	2.133	2.340	22.1*
Benzene *	1.142	1.145	1.140	1.198	1.213	1.168	3.0*
1,2-Dichloroethane *	0.234	0.244	0.235	0.244	0.250	0.241	2.9*
Trichloroethene *	0.266	0.263	0.263	0.272	0.278	0.268	2.5*
1,2-Dichloropropane + *	0.318	0.311	0.306	0.324	0.324	0.317	2.5*
Dibromomethane *	0.121	0.121	0.123	0.126	0.129	0.124	3.0*
Bromodichloromethane *	0.277	0.281	0.279	0.293	0.302	0.286	3.9*
2-Chloroethyl vinyl ether	0.155	0.165	0.176	0.180	0.186	0.172	7.1
cis-1,3-Dichloropropene *	0.393	0.407	0.408	0.427	0.441	0.415	4.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Calibration Time(s): 1410 1625

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R7736 RRF20 =R7731
RRF50 =R7732 RRF100=R7733 RRF200=R7734

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
4-methyl-2-pentanone *	0.339	0.306	0.324	0.310	0.332	0.322	4.3*
1,2,3-Trichlorobenzene *	1.012	0.770	0.786	0.715	0.782	0.813	14.2*
Toluene + *	3.604	3.290	3.233	3.250	3.166	3.309	5.2*
Dichlorodifluoromethane	0.093	0.124	0.128	0.138	0.151	0.127	17.0
trans-1,3-Dichloropropene *	0.988	0.972	0.982	0.982	0.984	0.982	0.6*
Methyl Acetate	0.249	0.228	0.231	0.226	0.237	0.234	3.9
1,1,2-Trichloroethane *	0.618	0.582	0.591	0.567	0.573	0.586	3.4*
1,3-Dichloropropane *	1.213	1.118	1.106	1.096	1.089	1.124	4.5*
Tetrachloroethene *	0.548	0.554	0.556	0.565	0.554	0.555	1.1*
2-Hexanone *	0.881	0.749	0.715	0.646	0.645	0.727	13.3*
Dibromochloromethane *	0.572	0.532	0.551	0.551	0.558	0.553	2.6*
1,2-Dibromoethane(EDB) *	0.581	0.532	0.529	0.527	0.530	0.540	4.3*
Chlorobenzene ++ *	2.477	2.102	2.070	2.043	1.995	2.137	9.1*
1,1,1,2-Tetrachloroethane *	0.573	0.574	0.584	0.585	0.577	0.579	0.9*
Ethylbenzene + *	1.216	1.190	1.146	1.221	1.174	1.189	2.6*
p,m-Xylene *	1.679	1.483	1.488	1.437	1.400	1.497	7.2*
o-Xylene *	1.468	1.396	1.370	1.344	1.309	1.377	4.4*
Styrene *	2.593	2.253	2.220	2.203	2.178	2.289	7.5*
Bromoform ++ *	0.328	0.288	0.321	0.314	0.321	0.314	4.9*
Isopropylbenzene *	3.442	3.334	3.344	3.350	3.298	3.354	1.6*
Cyclohexane *	0.500	0.606	0.590	0.645	0.695	0.607	11.9*
1,1,2,2-Tetrachloroethane++ *	1.347	1.133	1.177	1.230	1.195	1.216	6.6*
trans-1,4-Dichloro-2-Butene *	0.264	0.242	0.254	0.269	0.275	0.261	4.9*
1,2,3-Trichloropropane *	1.538	1.308	1.387	1.433	1.428	1.419	5.9*
Bromobenzene *	2.841	2.438	2.428	2.599	2.497	2.561	6.7*
n-Propylbenzene *	5.803	5.538	5.511	5.970	5.706	5.706	3.3*
2-Chlorotoluene *	4.078	3.354	3.330	3.825	3.568	3.631	8.8*
1,3,5-Trimethylbenzene *	3.816	3.662	3.622	3.896	3.683	3.736	3.1*
4-Chlorotoluene *	3.750	3.266	3.132	3.490	3.217	3.371	7.4*
tert-butylbenzene *	2.247	2.202	2.185	2.368	2.267	2.254	3.2*
1,2,4-Trimethylbenzene *	3.961	3.622	3.470	3.688	3.558	3.660	5.1*
sec-Butylbenzene *	4.921	5.085	5.009	5.492	5.285	5.158	4.5*
p-Isopropyltoluene *	3.820	3.804	3.759	3.904	3.811	3.820	1.4*
1,3-Dichlorobenzene *	2.223	1.740	1.753	1.746	1.923	1.877	11.1*
1,4-Dichlorobenzene *	2.926	2.084	1.883	1.990	1.647	2.106	23.1*
n-Butylbenzene *	3.343	3.319	3.260	3.460	3.466	3.370	2.7*
TOTAL XYLENE *	2.413	1.454	1.449	1.406	1.370	1.618	27.5*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Calibration Time(s): 1410 1625

GC Column: DB-624-30M ID: 0.53 (mm)

LAB FILE ID: RRF5 =R7736 RRF20 =R7731
RRF50 =R7732 RRF100=R7733 RRF200=R7734

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichlorobenzene *	2.085	1.631	1.622	1.647	1.593	1.716	12.1*
1,2-Dibromo-3-Chloropropane *	0.128	0.156	0.180	0.174	0.182	0.164	13.9*
1,2,4-Trichlorobenzene *	1.106	0.852	0.881	0.833	0.875	0.909	12.3*
Methyl cyclohexane *	0.417	0.487	0.486	0.516	0.543	0.490	9.6*
Dibromofluoromethane *	0.205	0.207	0.208	0.209	0.207	0.207	0.8*
Toluene-d8 *	2.638	2.598	2.591	2.486	2.404	2.543	3.8*
1,2-Dichloroethane-d4 *	0.103	0.106	0.108	0.106	0.108	0.106	1.8*
Bromofluorobenzene *	0.594	0.595	0.581	0.551	0.540	0.572	4.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Data File: /var/chem/msv4.i/2020614a.s.b/r7728.d

Date : 14-JUN-2002 12:37

Client ID: 0614V4BFB04

Instrument: msv4.i

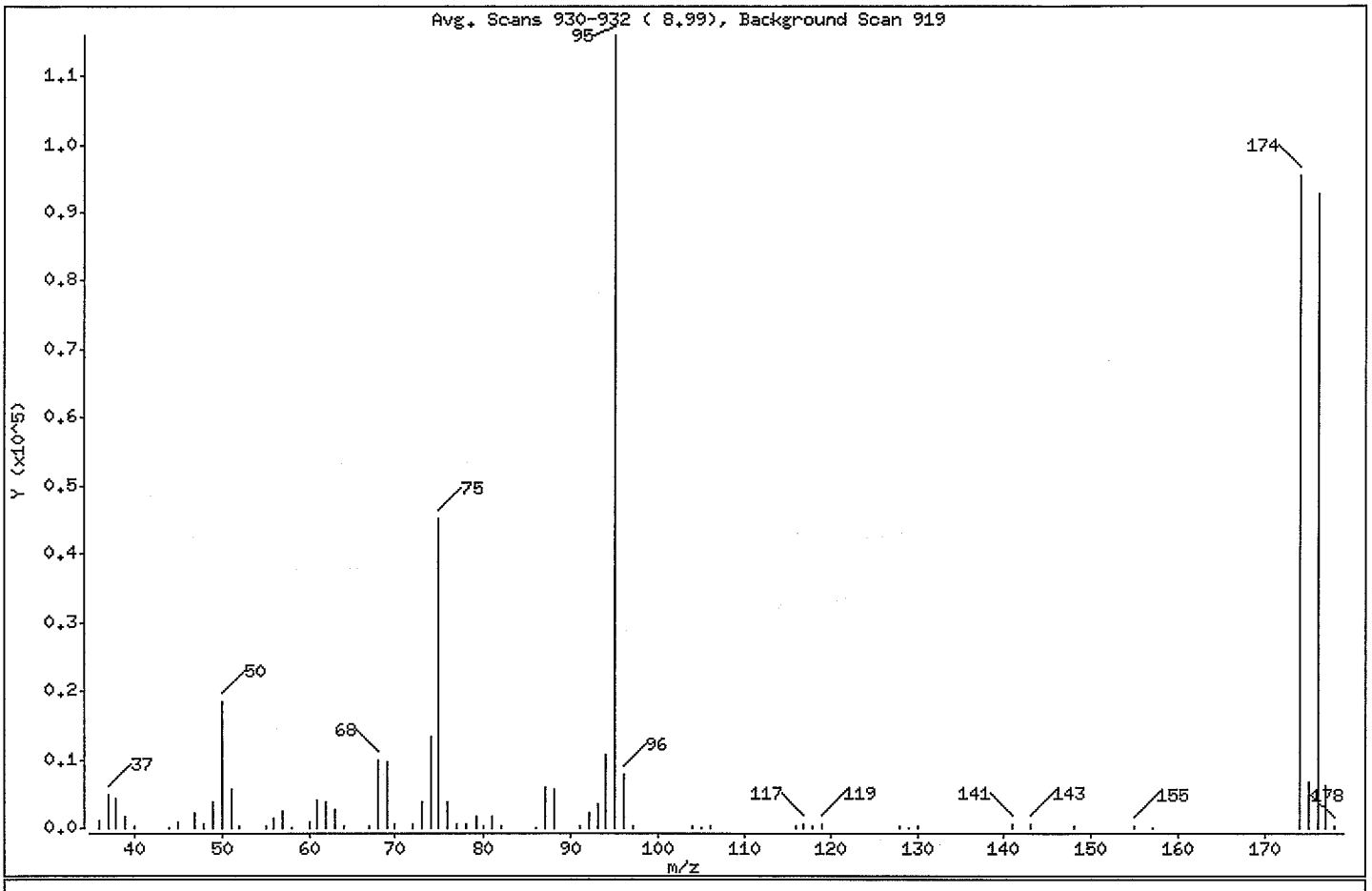
Sample Info: 0614V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.84
75	30.00 - 60.00% of mass 95	38.97
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.99% of mass 95	82.33
175	5.00 - 9.00% of mass 174	5.86 (7.11)
176	95.00 - 101.00% of mass 174	80.00 (97.17)
177	5.00 - 9.00% of mass 176	5.22 (6.53)

Data File: /var/chem/msv4.i/2020614a.s.b/r7728.d

Date : 14-JUN-2002 12:37

Client ID: 0614V4BFB04

Instrument: msv4.i

Sample Info: 0614V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

Data File: r7728.d
Spectrum: Avg. Scans 930-932 (8.99), Background Scan 919
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	978	60.00	808	80.00	395	117.00	443
37.00	4686	61.00	3974	81.00	1536	118.00	234
38.00	4206	62.00	3862	82.00	275	119.00	405
39.00	1548	63.00	2776	86.00	55	128.00	344
40.00	141	64.00	216	87.00	5840	129.00	51
44.00	133	67.00	327	88.00	5651	130.00	350
45.00	905	68.00	9857	91.00	305	141.00	507
47.00	2263	69.00	9633	92.00	2205	143.00	450
48.00	578	70.00	666	93.00	3471	148.00	219
49.00	3859	72.00	537	94.00	10753	155.00	228
50.00	18360	73.00	3647	95.00	115904	157.00	68
51.00	5720	74.00	13313	96.00	7793	174.00	95424
52.00	216	75.00	45168	97.00	261	175.00	6788
55.00	191	76.00	3716	104.00	269	176.00	92720
56.00	1262	77.00	654	105.00	132	177.00	6054
57.00	2446	78.00	560	106.00	231	178.00	196
58.00	52	79.00	1538	116.00	195		

Data File: /var/chem/msv4.i/2020614a.s.b/r7728.d

Date : 14-JUN-2002 12:37

Client ID: 0614V4BFB04

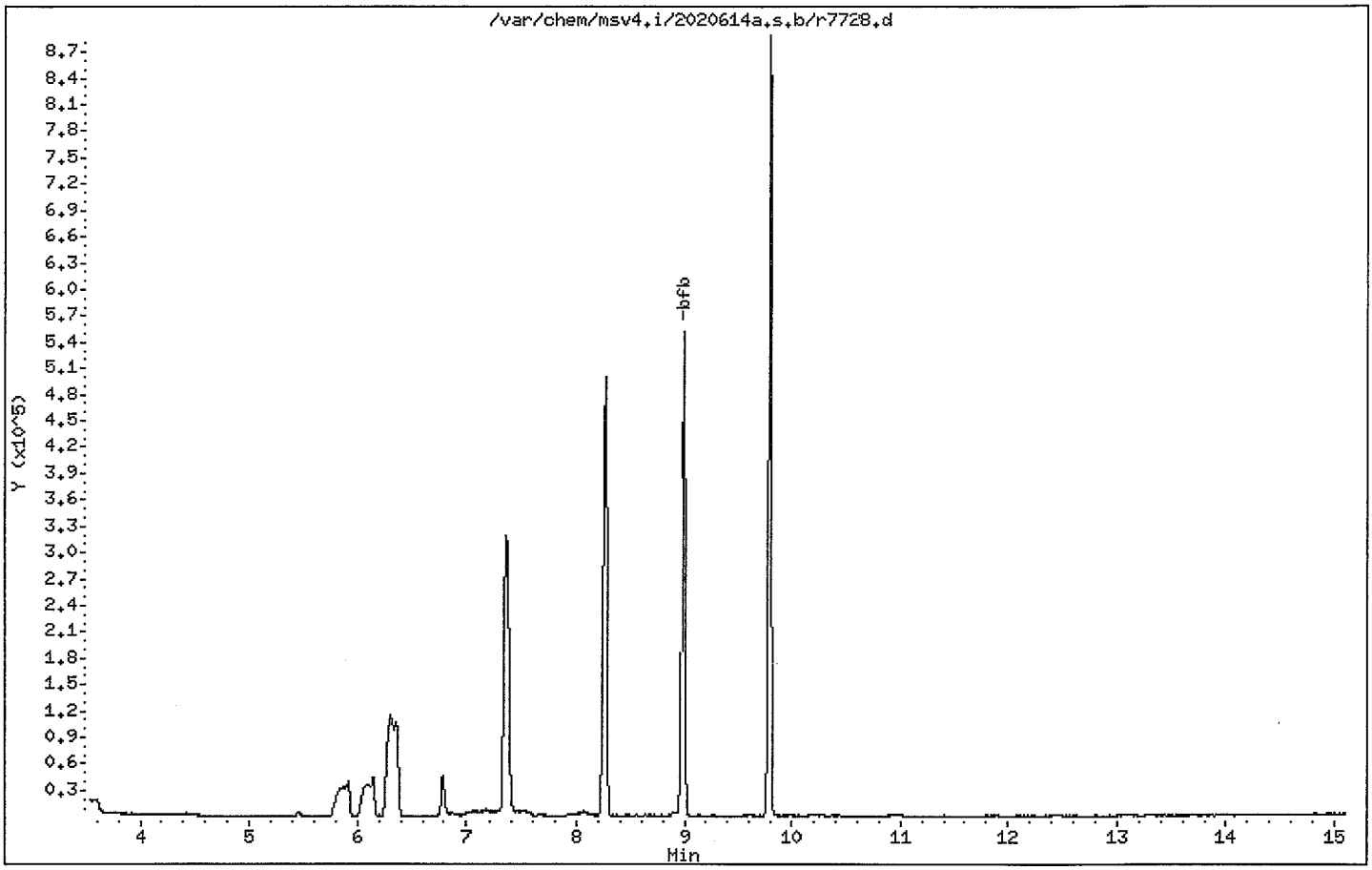
Instrument: msv4.i

Sample Info: 0614V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7736.d
Lab Smp Id: V4STD005 Client Smp ID: V4STD005
Inj Date : 14-JUN-2002 16:25
Operator : RSP Inst ID: msv4.i
Smp Info : V4STD005*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020614a.s.b/8260Bs4.m
Meth Date : 24-Jun-2002 15:10 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 19 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.193	2.193	(0.319)	6543	5.00000	3.66	0(aM)
2 Chloromethane ++	50	2.427	2.427	(0.353)	22783	5.00000	5.05	0
3 Vinyl Chloride +	62	2.585	2.585	(0.376)	17719	5.00000	4.48	0(a)
4 Bromomethane	94	3.059	3.059	(0.444)	10901	5.00000	5.50	0
5 Chloroethane	64	3.200	3.200	(0.465)	10251	5.00000	4.34	0(a)
6 Trichlorofluoromethane	101	3.545	3.545	(0.515)	11958	5.00000	4.04	0(a)
7 Acrolein	56	5.273	5.273	(0.766)	16231	25.0000	23.1	0
8 1,1-Dichloroethene +	96	4.183	4.183	(0.608)	10660	5.00000	4.46	0(a)
9 1,1,2Trichlotrifluoroethane	101	4.189	4.189	(0.609)	9851	5.00000	4.24	0(a)
10 Acetone	43	4.254	4.254	(0.618)	11243	5.00000	8.23	0
11 Methyl Iodide	142	4.365	4.365	(0.634)	18419	5.00000	4.70	0(a)
12 Carbon Disulfide	76	4.447	4.447	(0.646)	57737	5.00000	4.80	0(aM)
13 Methylene Chloride	49	4.716	4.716	(0.685)	50662	5.00000	7.88	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	14 Acrylonitrile	53	4.956	4.956	(0.720)	32905	25.0000	23.5	0
	15 trans-1,2-Dichloroethene	61	5.009	5.009	(0.728)	25897	5.00000	4.83	0(a)
	16 MTBE	73	4.997	4.997	(0.726)	39949	5.00000	4.76	0(a)
	17 Hexane	57	5.267	5.267	(0.765)	30051	5.00000	4.53	0(aM)
	18 1,1-Dichloroethane ++	63	5.401	5.401	(0.785)	32771	5.00000	4.78	0(a)
	19 Vinyl Acetate	43	5.273	5.273	(0.766)	21755	5.00000	4.61	(a)
	20 2,2-Dichloropropane	77	5.940	5.940	(0.863)	18261	5.00000	4.35	0(a)
	21 cis-1,2-Dichloroethene	61	5.934	5.934	(0.862)	29491	5.00000	4.80	0(a)
	22 2-Butanone	43	5.928	5.928	(0.861)	13747	5.00000	5.93	
	23 Bromochloromethane	128	6.139	6.139	(0.892)	7608	5.00000	4.72	0(a)
	24 Chloroform +	83	6.192	6.192	(0.899)	27027	5.00000	4.90	0(a)
$	25 Dibromofluoromethane	111	6.327	6.327	(0.919)	144243	50.0000	49.4	0
	26 1,1,1-Trichloroethane	97	6.380	6.380	(0.927)	17059	5.00000	4.38	0(a)
	27 1,1-Dichloropropene	75	6.497	6.497	(0.944)	22750	5.00000	4.62	0(a)
	28 Carbon Tetrachloride	117	6.520	6.520	(0.947)	13498	5.00000	4.19	0(a)
M	29 Total 1,2-Dichloroethene	61				55388	10.0000	9.63	0
$	30 1,2-Dichloroethane-d4	67	6.614	6.614	(0.961)	72544	50.0000	48.6	0
	31 Benzene	78	6.679	6.679	(0.970)	80389	5.00000	4.89	0(a)
	32 1,2-Dichloroethane	62	6.673	6.673	(0.969)	16460	5.00000	4.84	0(aM)
*	33 FLUOROBENZENE	96	6.884	6.884	(1.000)	703968	50.0000		0
	34 Trichloroethene	130	7.177	7.177	(1.043)	18721	5.00000	4.95	0(a)
	35 1,2-Dichloropropane +	63	7.353	7.353	(1.068)	22383	5.00000	5.02	0
	36 Dibromomethane	93	7.452	7.452	(1.083)	8524	5.00000	4.88	0(a)
	37 Bromodichloromethane	83	7.540	7.540	(1.095)	19485	5.00000	4.83	0(a)
	38 2-Chloroethyl vinyl ether	63	7.728	7.728	(1.123)	10937	5.00000	4.50	0(a)
	39 cis-1,3-Dichloropropene	75	7.874	7.874	(1.144)	27673	5.00000	4.73	(a)
	40 4-methyl-2-pentanone	43	7.956	7.956	(1.156)	23898	5.00000	5.26	(M)
$	41 Toluene-d8	98	8.091	8.091	(0.881)	580283	50.0000	51.9	0
	42 Toluene +	91	8.144	8.144	(0.886)	79280	5.00000	5.45	0(M)
	43 trans-1,3-Dichloropropene	75	8.267	8.267	(0.900)	21743	5.00000	5.03	
	44 1,1,2-Trichloroethane	97	8.419	8.419	(0.916)	13592	5.00000	5.27	0
	45 1,3-Dichloropropane	76	8.554	8.554	(0.931)	26687	5.00000	5.39	0
	46 Tetrachloroethene	164	8.566	8.566	(0.932)	12067	5.00000	4.94	0(a)
	47 2-Hexanone	43	8.560	8.560	(0.932)	19373	5.00000	6.06	0
	48 Dibromochloromethane	129	8.736	8.736	(0.951)	12590	5.00000	5.17	0
	49 1,2-Dibromoethane(EDB)	107	8.847	8.847	(0.963)	12781	5.00000	5.38	0
*	50 Chlorobenzene-d5	82	9.187	9.187	(1.000)	219981	50.0000		0
	51 Chlorobenzene ++	112	9.210	9.210	(1.003)	54499	5.00000	5.80	0
	52 1,1,1,2-Tetrachloroethane	133	9.252	9.252	(1.007)	12612	5.00000	4.95	0(aM)
	53 Ethylbenzene +	106	9.263	9.263	(1.008)	26744	5.00000	5.11	0
	54 p,m-Xylene	106	9.340	9.340	(1.017)	73873	10.0000	11.2	0
	55 o-Xylene	106	9.674	9.674	(1.053)	32305	5.00000	5.33	
	56 Styrene	104	9.674	9.674	(1.053)	57033	5.00000	5.66	0
	57 Bromoform ++	173	9.855	9.855	(1.073)	7210	5.00000	5.21	0
	58 Isopropylbenzene	105	9.949	9.949	(1.083)	75722	5.00000	5.13	0
$	59 Bromofluorobenzene	174	10.096	10.096	(1.099)	130701	50.0000	51.9	0
	60 1,1,2,2-Tetrachloroethane++	83	10.154	10.154	(0.915)	21846	5.00000	5.54	0(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	61 trans-1,4-Dichloro-2-Butene	53	10.189	10.189	(0.918)	4285	5.00000	5.06	0(M)
	62 1,2,3-Trichloropropane	75	10.213	10.213	(0.920)	24951	5.00000	5.42	0
	63 Bromobenzene	77	10.260	10.260	(0.924)	46079	5.00000	5.55	0
	64 n-Propylbenzene	91	10.277	10.277	(0.926)	94120	5.00000	5.08	0
	65 2-Chlorotoluene	91	10.395	10.395	(0.937)	66141	5.00000	5.62	0
	66 1,3,5-Trimethylbenzene	105	10.401	10.401	(0.937)	61897	5.00000	5.11	
	67 4-Chlorotoluene	91	10.471	10.471	(0.943)	60823	5.00000	5.56	0
	68 tert-butylbenzene	91	10.700	10.700	(0.964)	36445	5.00000	4.98	0(a)
	69 1,2,4-Trimethylbenzene	105	10.735	10.735	(0.967)	64241	5.00000	5.41	
	70 sec-Butylbenzene	105	10.893	10.893	(0.981)	79814	5.00000	4.77	(a)
	71 p-Isopropyltoluene	119	10.993	10.993	(0.990)	61958	5.00000	5.00	0(H)
	72 1,3-Dichlorobenzene	146	11.046	11.046	(0.995)	36062	5.00000	5.92	
*	73 1,4-DICHLOROBENZENE-D4	152	11.098	11.098	(1.000)	162199	50.0000		0
	74 1,4-Dichlorobenzene	146	11.116	11.116	(1.002)	47459	5.00000	6.95	
	75 n-Butylbenzene	91	11.374	11.374	(1.025)	54223	5.00000	4.96	0(a)
M	76 TOTAL XYLENE	106				106178	10.0000	16.5	0
	77 1,2-Dichlorobenzene	146	11.480	11.480	(1.034)	33820	5.00000	6.08	
	78 1,2-Dibromo-3-Chloropropane	157	12.223	12.223	(1.101)	2074	5.00000	3.89	0(aM)
	79 1,2,4-Trichlorobenzene	180	13.095	13.095	(1.180)	17945	5.00000	6.08	
	80 Hexachlorobutadiene	225	13.248	13.248	(1.194)	8324	5.00000	4.93	0(a)
	81 Napthalene	128	13.400	13.400	(1.207)	52740	5.00000	6.95	0
	82 1,2,3-Trichlorobenzene	180	13.669	13.669	(1.232)	16420	5.00000	6.23	
	97 Cyclohexane	56	6.432	6.432	(0.934)	35193	5.00000	4.12	0(aM)
	98 Methyl Acetate	43	4.605	4.605	(0.669)	17507	5.00000	5.31	0(M)
	127 Methyl cyclohexane	83	7.347	7.347	(1.067)	29345	5.00000	4.26	0(aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

0001107

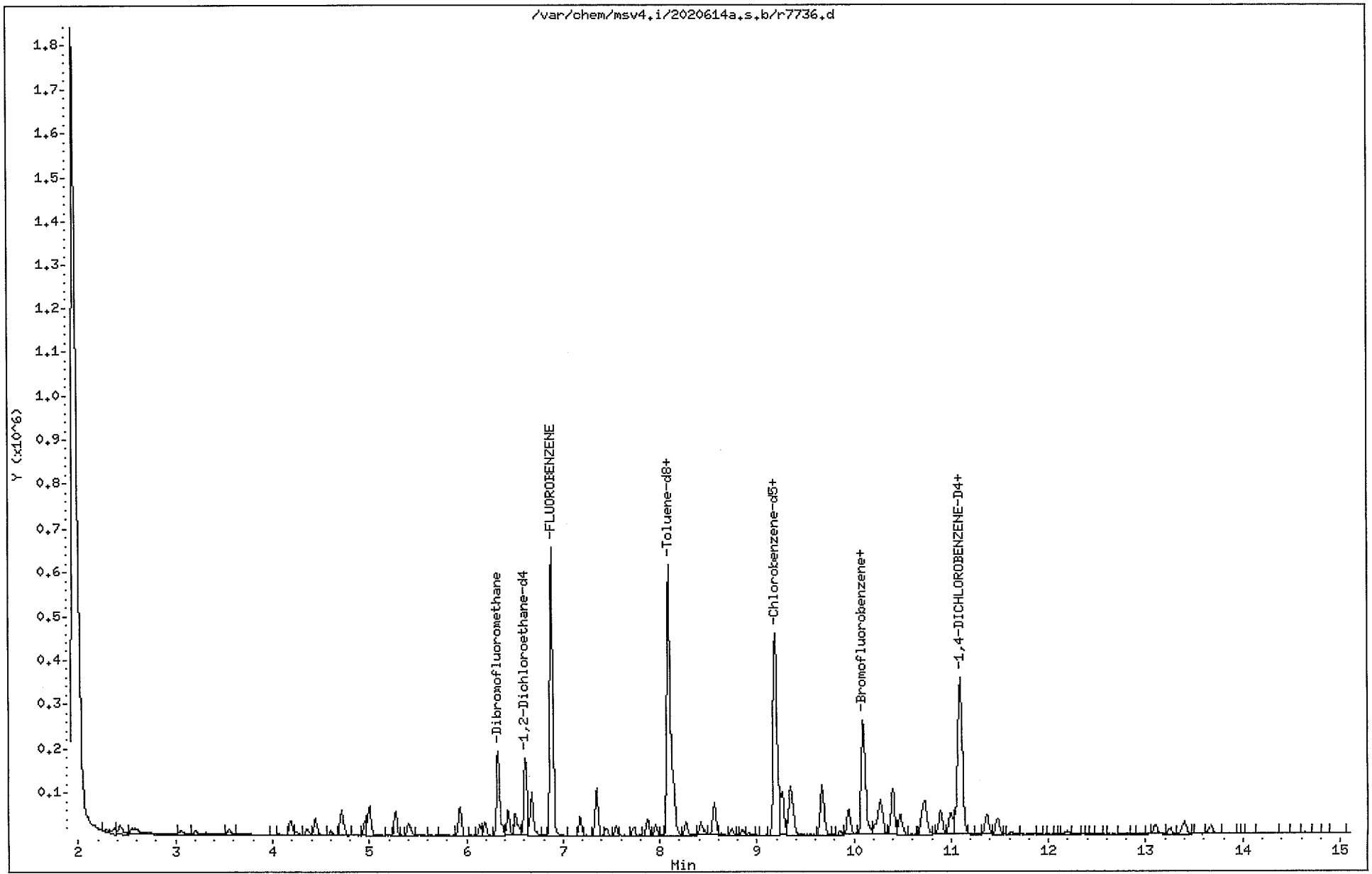
Data File: /var/chem/msv4.i/2020614a.s.b/r7736.d
Date : 14-JUN-2002 16:25
Client ID: V4STD005
Sample Info: V4STD005*4-13-6

Instrument: msv4.i

Operator: RSP

Column phase: DB-624-30M

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7731.d
Lab Smp Id: V4STD020 Client Smp ID: V4STD020
Inj Date : 14-JUN-2002 14:10
Operator : RSP Inst ID: msv4.i
Smp Info : V4STD020*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020614a.s.b/8260Bs4.m
Meth Date : 24-Jun-2002 15:09 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 14:10 Cal File: r7731.d
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.193	2.193	(0.318)	37111	20.0000	19.6	0
2 Chloromethane ++	50	2.427	2.427	(0.352)	92517	20.0000	19.4	0
3 Vinyl Chloride +	62	2.585	2.585	(0.375)	81776	20.0000	19.5	0
4 Bromomethane	94	3.059	3.059	(0.444)	42515	20.0000	20.3	0
5 Chloroethane	64	3.200	3.200	(0.465)	49965	20.0000	19.9	0
6 Trichlorofluoromethane	101	3.551	3.551	(0.516)	61023	20.0000	19.4	0
7 Acrolein	56	5.268	5.268	(0.765)	71337	100.000	95.9	0
8 1,1-Dichloroethene +	96	4.184	4.184	(0.608)	48917	20.0000	19.3	0
9 1,1,2Trichlotrifluoroethane	101	4.190	4.190	(0.608)	47522	20.0000	19.3	0
10 Acetone	43	4.248	4.248	(0.617)	30122	20.0000	20.8	0
11 Methyl Iodide	142	4.359	4.359	(0.633)	82653	20.0000	19.9	0
12 Carbon Disulfide	76	4.442	4.442	(0.645)	244635	20.0000	19.2	0 (M)
13 Methylene Chloride	49	4.711	4.711	(0.684)	123830	20.0000	18.2	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	14 Acrylonitrile	53	4.951	4.951	(0.719)	143772	100.000	97.1	0
	15 trans-1,2-Dichloroethene	61	4.998	4.998	(0.726)	109995	20.0000	19.4	0
	16 MTBE	73	4.998	4.998	(0.726)	175115	20.0000	19.7	0
	17 Hexane	57	5.268	5.268	(0.765)	135546	20.0000	19.3	0 (M)
	18 1,1-Dichloroethane ++	63	5.403	5.403	(0.785)	142868	20.0000	19.7	0
	19 Vinyl Acetate	43	5.268	5.268	(0.765)	96737	20.0000	19.4	
	20 2,2-Dichloropropane	77	5.936	5.936	(0.862)	87588	20.0000	19.7	0
	21 cis-1,2-Dichloroethene	61	5.930	5.930	(0.861)	127679	20.0000	19.6	0
	22 2-Butanone	43	5.924	5.924	(0.860)	46610	20.0000	19.0	
	23 Bromochloromethane	128	6.141	6.141	(0.892)	33693	20.0000	19.7	0
	24 Chloroform +	83	6.194	6.194	(0.899)	114874	20.0000	19.7	0
$	25 Dibromofluoromethane	111	6.328	6.328	(0.919)	154597	50.0000	50.0	0
	26 1,1,1-Trichloroethane	97	6.375	6.375	(0.926)	81296	20.0000	19.7	0
	27 1,1-Dichloropropene	75	6.499	6.499	(0.944)	102213	20.0000	19.6	0
	28 Carbon Tetrachloride	117	6.516	6.516	(0.946)	65924	20.0000	19.3	0
M	29 Total 1,2-Dichloroethene	61				237674	40.0000	39.0	0
$	30 1,2-Dichloroethane-d4	67	6.610	6.610	(0.960)	78706	50.0000	49.8	0
	31 Benzene	78	6.675	6.675	(0.969)	341649	20.0000	19.6	0
	32 1,2-Dichloroethane	62	6.675	6.675	(0.969)	72853	20.0000	20.2	0
*	33 FLUOROBENZENE	96	6.886	6.886	(1.000)	745947	50.0000		0
	34 Trichloroethene	130	7.179	7.179	(1.043)	78619	20.0000	19.6	0
	35 1,2-Dichloropropane +	63	7.349	7.349	(1.067)	92784	20.0000	19.6	0
	36 Dibromomethane	93	7.449	7.449	(1.082)	36032	20.0000	19.5	0
	37 Bromodichloromethane	83	7.549	7.549	(1.096)	83791	20.0000	19.6	0
	38 2-Chloroethyl vinyl ether	63	7.730	7.730	(1.123)	49140	20.0000	19.1	0
	39 cis-1,3-Dichloropropene	75	7.871	7.871	(1.143)	121372	20.0000	19.6	
	40 4-methyl-2-pentanone	43	7.953	7.953	(1.155)	91470	20.0000	19.0	(M)
$	41 Toluene-d8	98	8.094	8.094	(0.882)	643680	50.0000	51.1	0
	42 Toluene +	91	8.147	8.147	(0.888)	326011	20.0000	19.9	0
	43 trans-1,3-Dichloropropene	75	8.270	8.270	(0.901)	96300	20.0000	19.8	
	44 1,1,2-Trichloroethane	97	8.417	8.417	(0.917)	57649	20.0000	19.9	0
	45 1,3-Dichloropropane	76	8.546	8.546	(0.931)	110812	20.0000	19.9	0
	46 Tetrachloroethene	164	8.563	8.563	(0.933)	54868	20.0000	19.9	0
	47 2-Hexanone	43	8.557	8.557	(0.932)	74200	20.0000	20.6	0
	48 Dibromochloromethane	129	8.739	8.739	(0.952)	52689	20.0000	19.2	0
	49 1,2-Dibromoethane(EDB)	107	8.851	8.851	(0.964)	52725	20.0000	19.7	0
*	50 Chlorobenzene-d5	82	9.179	9.179	(1.000)	247746	50.0000		0
	51 Chlorobenzene ++	112	9.208	9.208	(1.003)	208286	20.0000	19.7	0
	52 1,1,1,2-Tetrachloroethane	133	9.250	9.250	(1.008)	56886	20.0000	19.8	0
	53 Ethylbenzene +	106	9.261	9.261	(1.009)	117889	20.0000	20.0	0
	54 p,m-Xylene	106	9.344	9.344	(1.018)	293966	40.0000	39.6	0
	55 o-Xylene	106	9.666	9.666	(1.053)	138317	20.0000	20.3	
	56 Styrene	104	9.666	9.666	(1.053)	223242	20.0000	19.7	0
	57 Bromoform ++	173	9.860	9.860	(1.074)	28576	20.0000	18.3	0
	58 Isopropylbenzene	105	9.942	9.942	(1.083)	330427	20.0000	19.9	0
$	59 Bromofluorobenzene	174	10.094	10.094	(1.100)	147469	50.0000	52.0	0
	60 1,1,2,2-Tetrachloroethane++	83	10.147	10.147	(0.915)	79891	20.0000	18.6	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	61 trans-1,4-Dichloro-2-Butene	53	10.189	10.189	(0.919)	17096	20.0000	18.6	0
	62 1,2,3-Trichloropropane	75	10.218	10.218	(0.922)	92186	20.0000	18.4	0
	63 Bromobenzene	77	10.253	10.253	(0.925)	171890	20.0000	19.0	0
	64 n-Propylbenzene	91	10.277	10.277	(0.927)	390401	20.0000	19.4	0
	65 2-Chlorotoluene	91	10.394	10.394	(0.937)	236408	20.0000	18.5	0
	66 1,3,5-Trimethylbenzene	105	10.394	10.394	(0.937)	258182	20.0000	19.6	
	67 4-Chlorotoluene	91	10.471	10.471	(0.944)	230255	20.0000	19.4	0
	68 tert-butylbenzene	91	10.706	10.706	(0.966)	155212	20.0000	19.5	0
	69 1,2,4-Trimethylbenzene	105	10.735	10.735	(0.968)	255349	20.0000	19.8	
	70 sec-Butylbenzene	105	10.888	10.888	(0.982)	358426	20.0000	19.7	
	71 p-Isopropyltoluene	119	10.993	10.993	(0.991)	268193	20.0000	19.9	0(H)
	72 1,3-Dichlorobenzene	146	11.041	11.041	(0.996)	122622	20.0000	18.5	
*	73 1,4-DICHLOROBENZENE-D4	152	11.088	11.088	(1.000)	176231	50.0000		0
	74 1,4-Dichlorobenzene	146	11.111	11.111	(1.002)	146935	20.0000	19.8	
	75 n-Butylbenzene	91	11.370	11.370	(1.025)	233987	20.0000	19.7	0
M	76 TOTAL XYLENE	106				432283	60.0000	59.9	0
	77 1,2-Dichlorobenzene	146	11.469	11.469	(1.034)	114958	20.0000	19.0	
	78 1,2-Dibromo-3-Chloropropane	157	12.201	12.201	(1.100)	11016	20.0000	19.0	0
	79 1,2,4-Trichlorobenzene	180	13.091	13.091	(1.181)	60071	20.0000	18.7	
	80 Hexachlorobutadiene	225	13.250	13.250	(1.195)	35894	20.0000	19.5	0
	81 Napthalene	128	13.396	13.396	(1.208)	149538	20.0000	18.1	0
	82 1,2,3-Trichlorobenzene	180	13.666	13.666	(1.233)	54287	20.0000	18.9	
	97 Cyclohexane	56	6.434	6.434	(0.934)	180691	20.0000	19.9	0(M)
	98 Methyl Acetate	43	4.606	4.606	(0.669)	68104	20.0000	19.5	0(M)
	127 Methyl cyclohexane	83	7.343	7.343	(1.066)	145209	20.0000	19.9	0(M)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000111

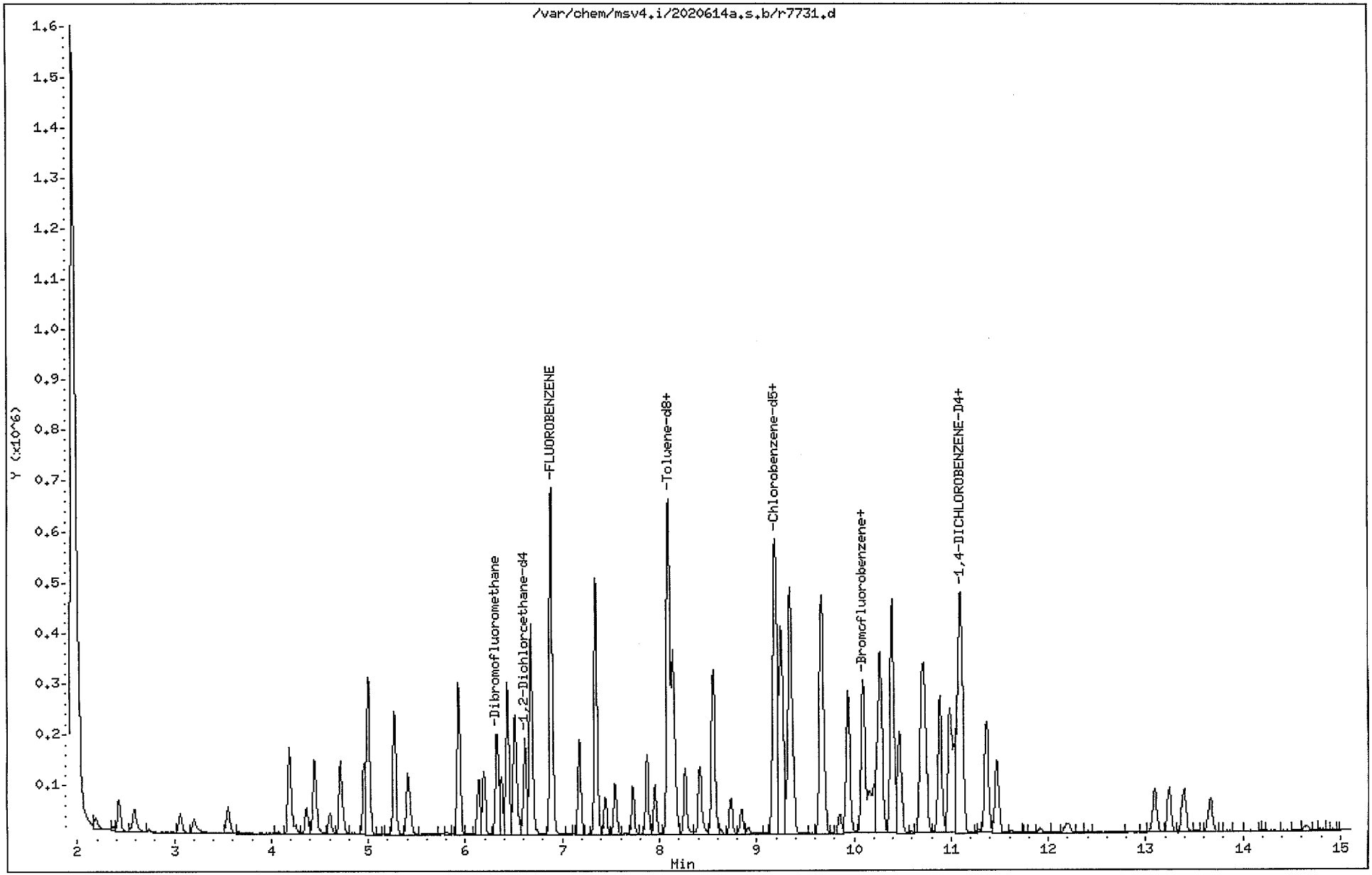
Data File: /var/chem/msv4.i/2020614a.s.b/r7731.d
Date : 14-JUN-2002 14:10
Client ID: V4STD020
Sample Info: V4STD020*4-13-6

Instrument: msv4.i

Operator: RSP

Column phase: DB-624-30M

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7732.d
Lab Smp Id: V4STD050 Client Smp ID: V4STD050
Inj Date : 14-JUN-2002 14:37
Operator : RSP Inst ID: msv4.i
Smp Info : V4STD050*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020624.s.b/8260Bw4.m
Meth Date : 24-Jun-2002 15:09 dlb Quant Type: ISTD
Cal Date : 24-JUN-2002 12:07 Cal File: r7913.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100))/5000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.187	2.187	(0.318)	93443	50.0000	41.2	
2 Chloromethane ++	50	2.427	2.427	(0.353)	221519	50.0000	40.9	
3 Vinyl Chloride +	62	2.585	2.585	(0.376)	198300	50.0000	44.7	
4 Bromomethane	94	3.060	3.060	(0.445)	97732	50.0000	41.4	
5 Chloroethane	64	3.200	3.200	(0.465)	125483	50.0000	45.7	
6 Trichlorofluoromethane	101	3.546	3.546	(0.515)	151023	50.0000	46.7	
7 Acrolein	56	5.269	5.269	(0.766)	178118	250.000	810	(A)
8 1,1-Dichloroethene +	96	4.184	4.184	(0.608)	122572	50.0000	49.9	
9 1,1,2Trichlotrifluoroethane	101	4.190	4.190	(0.609)	117070	50.0000	54.2	
10 Acetone	43	4.243	4.243	(0.617)	59245	50.0000	40.9	
11 Methyl Iodide	142	4.360	4.360	(0.634)	208265	50.0000	48.6	
12 Carbon Disulfide	76	4.442	4.442	(0.645)	617511	50.0000	59.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	13 Methylene Chloride	49	4.712	4.712	(0.685)	276625	50.0000	50.4	
	14 Acrylonitrile	53	4.952	4.952	(0.720)	371317	250.000	182	
	15 trans-1,2-Dichloroethene	61	4.999	4.999	(0.726)	272543	50.0000	51.5	
	16 Methyl Acetate	43	4.600	4.600	(0.668)	167705	50.0000	65.3	0 (M)
	17 MTBE	73	4.999	4.999	(0.726)	431508	50.0000	39.2	0
	18 1,1-Dichloroethane ++	63	5.404	5.404	(0.785)	347634	50.0000	46.1	
	19 Vinyl Acetate	43	5.269	5.269	(0.766)	243205	50.0000	43.2	
	21 2,2-Dichloropropane	77	5.931	5.931	(0.862)	216096	50.0000	46.3	
	20 cis-1,2-Dichloroethene	61	5.931	5.931	(0.862)	310804	50.0000	46.4	
	22 2-Butanone	43	5.925	5.925	(0.861)	114964	50.0000	39.1	
	23 Bromochloromethane	128	6.136	6.136	(0.892)	83124	50.0000	40.3	
	24 Chloroform +	83	6.189	6.189	(0.899)	278833	50.0000	45.2	
$	25 Dibromofluoromethane	111	6.324	6.324	(0.919)	151267	50.0000	45.9	0
	26 1,1,1-Trichloroethane	97	6.371	6.371	(0.926)	200393	50.0000	45.9	
	28 Carbon Tetrachloride	117	6.518	6.518	(0.947)	165114	50.0000	48.1	
	27 1,1-Dichloropropene	75	6.500	6.500	(0.945)	250255	50.0000	50.4	
$	29 1,2-Dichloroethane-d4	67	6.612	6.612	(0.961)	78164	50.0000	38.9	
	31 Benzene	78	6.677	6.677	(0.970)	828625	50.0000	46.7	
	30 1,2-Dichloroethane	62	6.677	6.677	(0.970)	170886	50.0000	36.5	
*	33 FLUOROBENZENE	96	6.882	6.882	(1.000)	726918	50.0000		
M	32 Total 1,2-Dichloroethene	61				583347	100.000	97.9	
	34 Trichloroethene	130	7.175	7.175	(1.043)	190942	50.0000	39.5	
	35 Methyl Cyclohexane	83	7.345	7.345	(1.067)	353496	50.0000	56.0	0 (M)
	36 1,2-Dichloropropane +	63	7.345	7.345	(1.067)	222636	50.0000	42.4	
	37 Dibromomethane	93	7.445	7.445	(1.082)	89187	50.0000	37.3	
	38 Bromodichloromethane	83	7.545	7.545	(1.096)	202653	50.0000	41.1	
	39 2-Chloroethyl vinyl ether	63	7.727	7.727	(1.123)	128221	50.0000	35.5	
	40 cis-1,3-Dichloropropene	75	7.873	7.873	(1.144)	296278	50.0000	43.1	
	41 4-methyl-2-pentanone	43	7.955	7.955	(1.156)	235933	50.0000	37.2	(M)
$	42 Toluene-d8	98	8.090	8.090	(0.881)	624085	50.0000	54.7	
	43 Toluene +	91	8.143	8.143	(0.886)	778728	50.0000	45.5	
	44 trans-1,3-Dichloropropene	75	8.267	8.267	(0.900)	236548	50.0000	35.5	
	45 1,1,2-Trichloroethane	97	8.419	8.419	(0.916)	142348	50.0000	36.0	
	47 Tetrachloroethene	164	8.566	8.566	(0.932)	133812	50.0000	50.8	
	46 1,3-Dichloropropane	76	8.549	8.549	(0.930)	266469	50.0000	35.3	
	48 2-Hexanone	43	8.554	8.554	(0.931)	172139	50.0000	45.4	
	49 Dibromochloromethane	129	8.736	8.736	(0.951)	132841	50.0000	42.5	
	50 1,2-Dibromoethane(EDB)	107	8.848	8.848	(0.963)	127328	50.0000	38.3	
*	51 CHLOROBENZENE-d5	82	9.188	9.188	(1.000)	240877	50.0000		
	52 Chlorobenzene ++	112	9.211	9.211	(1.003)	498520	50.0000	49.2	
	53 1,1,1,2-Tetrachloroethane	133	9.247	9.247	(1.006)	140590	50.0000	45.3	
	54 Ethylbenzene +	106	9.265	9.265	(1.008)	275926	50.0000	50.3	
	55 p,m-Xylene	106	9.347	9.347	(1.017)	716928	100.000	105	
	56 o-Xylene	106	9.670	9.670	(1.052)	330078	50.0000	47.3	
	57 Styrene	104	9.670	9.670	(1.052)	534638	50.0000	46.3	
	58 Bromoform ++	173	9.857	9.857	(1.073)	77327	50.0000	38.5	
	59 Isopropylbenzene	105	9.940	9.940	(1.082)	805467	50.0000	61.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
$	60 Bromofluorobenzene	174	10.098	10.098	(1.099)	139960	50.0000	51.1	
	61 1,1,2,2-Tetrachloroethane++	83	10.151	10.151	(0.915)	203320	50.0000	42.3	
	64 Bromobenzene	77	10.257	10.257	(0.925)	419601	50.0000	46.3	
	63 1,2,3-Trichloropropane	75	10.210	10.210	(0.920)	239578	50.0000	40.2	
	62 trans-1,4-Dichloro-2-Butene	53	10.193	10.193	(0.919)	43902	50.0000	37.5	
	65 n-Propylbenzene	91	10.275	10.275	(0.926)	952216	50.0000	57.3	
	66 2-Chlorotoluene	91	10.393	10.393	(0.937)	575456	50.0000	51.2	
	67 1,3,5-Trimethylbenzene	105	10.399	10.399	(0.937)	625867	50.0000	54.3	
	68 4-Chlorotoluene	91	10.470	10.470	(0.944)	541235	50.0000	52.3	
M	78 TOTAL XYLENE	106				1047006	150.000	153	
	69 tert-butylbenzene	91	10.698	10.698	(0.964)	377605	50.0000	53.8	
	72 p-Isopropyltoluene	119	10.993	10.993	(0.991)	649444	50.0000	56.6	(H)
	70 1,2,4-Trimethylbenzene	105	10.734	10.734	(0.968)	599595	50.0000	50.7	
	71 sec-Butylbenzene	105	10.887	10.887	(0.981)	865410	50.0000	67.2	
	73 1,3-Dichlorobenzene	146	11.040	11.040	(0.995)	302865	50.0000	47.8	
*	74 1,4-DICHLOROBENZENE-D4	152	11.093	11.093	(1.000)	172779	50.0000		
	75 1,4-Dichlorobenzene	146	11.111	11.111	(1.002)	325418	50.0000	50.9	
	77 n-Butylbenzene	91	11.363	11.363	(1.024)	563213	50.0000	57.5	
	76 1,2-Dichlorobenzene	146	11.475	11.475	(1.034)	280293	50.0000	42.2	
	79 1,2-Dibromo-3-Chloropropane	157	12.207	12.207	(1.100)	31167	50.0000	42.3	
	80 1,2,4-Trichlorobenzene	180	13.097	13.097	(1.181)	152193	50.0000	47.2	
	81 Hexachlorobutadiene	225	13.244	13.244	(1.194)	91671	50.0000	66.9	
	83 1,2,3-Trichlorobenzene	180	13.666	13.666	(1.232)	135762	50.0000	41.7	
	95 Cyclohexane	56	6.436	6.436	(0.935)	428859	50.0000	50.7	0(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

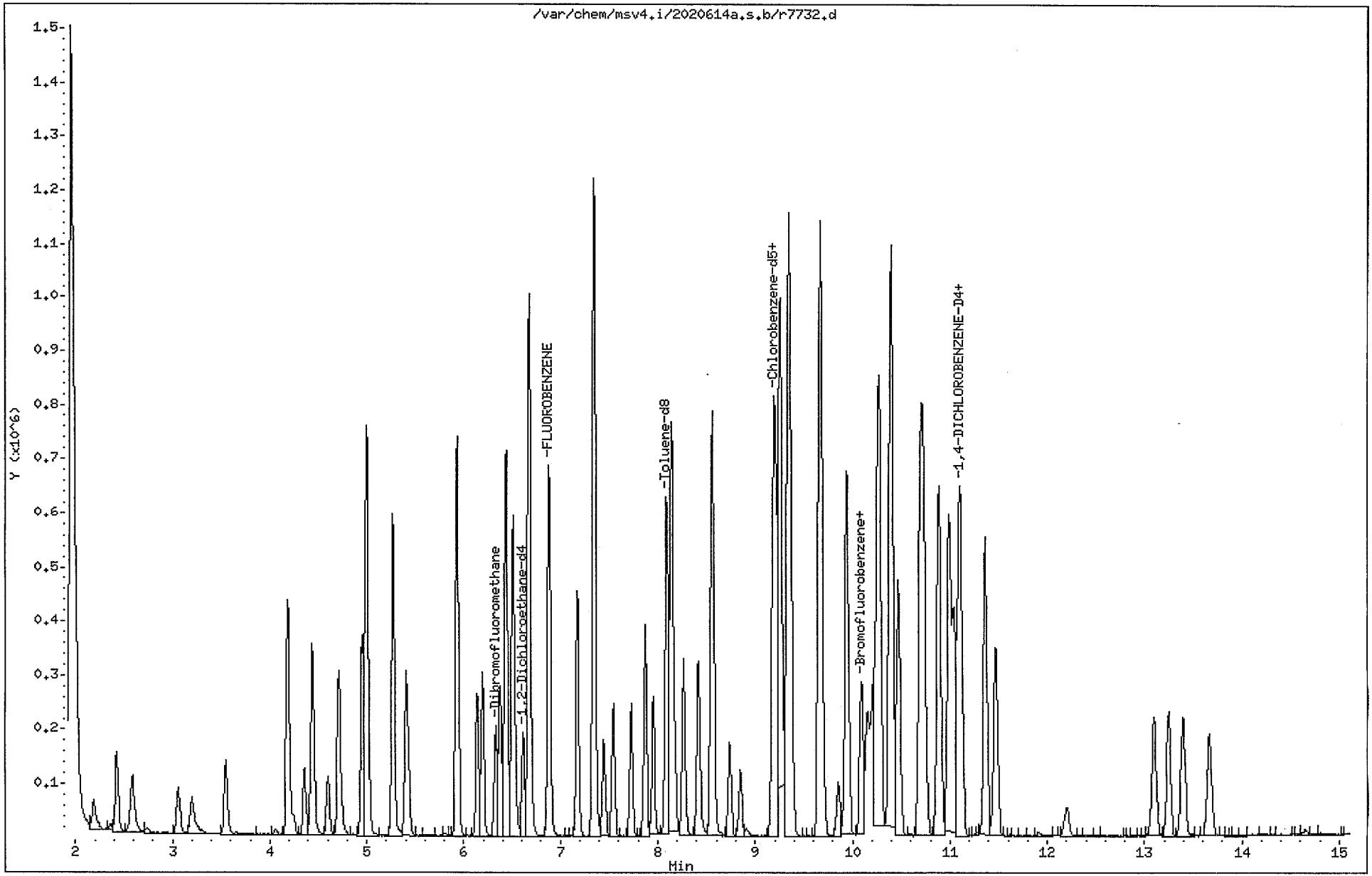
000115

Data File: /var/chem/msv4.i/2020614a.s.b/r7732.d
Date : 14-JUN-2002 14:37
Client ID: V4STD050
Sample Info: V4STD050*4-13-6

Instrument: msv4.i

Operator: RSP
Column diameter: 0.53

Column phase: DB-624-30M



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7733.d
Lab Smp Id: V4STD100 Client Smp ID: V4STD100
Inj Date : 14-JUN-2002 15:04
Operator : RSP Inst ID: msv4.i
Smp Info : V4STD100*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020614a.s.b/8260Bs4.m
Meth Date : 24-Jun-2002 15:09 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 15:04 Cal File: r7733.d
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.193	2.193	(1.000)	206453	100.000	109	0
2 Chloromethane ++	50	2.427	2.427	(1.000)	491012	100.000	103	0
3 Vinyl Chloride +	62	2.585	2.585	(1.000)	445108	100.000	106	0
4 Bromomethane	94	3.054	3.054	(1.000)	201286	100.000	96.0	0
5 Chloroethane	64	3.200	3.200	(1.000)	272761	100.000	109	0
6 Trichlorofluoromethane	101	3.552	3.552	(1.000)	335126	100.000	107	0
7 Acrolein	56	5.270	5.270	(1.000)	385652	500.000	519	0(A)
8 1,1-Dichloroethene +	96	4.185	4.185	(1.000)	266082	100.000	105	0
9 1,1,2Trichlotrifluoroethane	101	4.191	4.191	(1.000)	259018	100.000	105	0
10 Acetone	43	4.244	4.244	(1.000)	105938	100.000	73.3	0
11 Methyl Iodide	142	4.361	4.361	(1.000)	422090	100.000	102	0
12 Carbon Disulfide	76	4.443	4.443	(1.000)	1315144	100.000	103	0
13 Methylene Chloride	49	4.713	4.713	(1.000)	570687	100.000	83.9	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	14 Acrylonitrile	53	4.953	4.953	(1.000)	749401	500.000	507	0 (A)
	15 trans-1,2-Dichloroethene	61	5.000	5.000	(1.000)	588640	100.000	104	0
	16 MTBE	73	5.000	5.000	(1.000)	908929	100.000	102	0
	17 Hexane	57	5.270	5.270	(0.766)	732649	100.000	104	0 (M)
	18 1,1-Dichloroethane ++	63	5.405	5.405	(1.000)	751501	100.000	104	0
	19 Vinyl Acetate	43	5.270	5.270	(1.000)	516163	100.000	103	
	20 2,2-Dichloropropane	77	5.938	5.938	(1.000)	470807	100.000	106	0
	21 cis-1,2-Dichloroethene	61	5.926	5.926	(1.000)	670923	100.000	103	0
	22 2-Butanone	43	5.921	5.921	(1.000)	227349	100.000	92.6	
	23 Bromochloromethane	128	6.138	6.138	(1.000)	175223	100.000	103	0
	24 Chloroform +	83	6.191	6.191	(1.000)	593561	100.000	102	0
$	25 Dibromofluoromethane	111	6.325	6.325	(1.000)	156019	50.0000	50.5	0
	26 1,1,1-Trichloroethane	97	6.373	6.373	(1.000)	436712	100.000	106	0
	27 1,1-Dichloropropene	75	6.502	6.502	(1.000)	542672	100.000	104	0
	28 Carbon Tetrachloride	117	6.520	6.520	(1.000)	363914	100.000	107	0
M	29 Total 1,2-Dichloroethene	61				1259563	200.000	207	0 (A)
$	30 1,2-Dichloroethane-d4	67	6.614	6.614	(1.000)	79180	50.0000	50.1	0
	31 Benzene	78	6.679	6.679	(1.000)	1784928	100.000	103	0
	32 1,2-Dichloroethane	62	6.673	6.673	(1.000)	363276	100.000	101	0
*	33 FLUOROBENZENE	96	6.884	6.884	(1.000)	744862	50.0000		0 (M)
	34 Trichloroethene	130	7.177	7.177	(1.000)	405181	100.000	101	0
	35 1,2-Dichloropropane +	63	7.347	7.347	(1.000)	482317	100.000	102	0
	36 Dibromomethane	93	7.448	7.448	(1.000)	187660	100.000	102	0
	37 Bromodichloromethane	83	7.547	7.547	(1.000)	437022	100.000	102	0
	38 2-Chloroethyl vinyl ether	63	7.729	7.729	(1.000)	268303	100.000	104	0
	39 cis-1,3-Dichloropropene	75	7.876	7.876	(1.000)	635801	100.000	103	
	40 4-methyl-2-pentanone	43	7.952	7.952	(1.155)	462544	100.000	96.2	(M)
$	41 Toluene-d8	98	8.093	8.093	(0.881)	638174	50.0000	48.9	0
	42 Toluene +	91	8.140	8.140	(0.886)	1668390	100.000	98.2	0
	43 trans-1,3-Dichloropropene	75	8.270	8.270	(0.900)	504336	100.000	100	
	44 1,1,2-Trichloroethane	97	8.416	8.416	(0.916)	290996	100.000	96.7	0
	45 1,3-Dichloropropane	76	8.552	8.552	(0.931)	562793	100.000	97.5	0
	46 Tetrachloroethene	164	8.563	8.563	(0.932)	290209	100.000	102	0
	47 2-Hexanone	43	8.557	8.557	(0.932)	331919	100.000	88.9	0
	48 Dibromochloromethane	129	8.740	8.740	(0.951)	283134	100.000	99.7	0
	49 1,2-Dibromoethane(EDB)	107	8.845	8.845	(0.963)	270461	100.000	97.6	0
*	50 Chlorobenzene-d5	82	9.185	9.185	(1.000)	256709	50.0000		0
	51 Chlorobenzene ++	112	9.209	9.209	(1.003)	1048819	100.000	95.6	0
	52 1,1,1,2-Tetrachloroethane	133	9.244	9.244	(1.006)	300150	100.000	101	0
	53 Ethylbenzene +	106	9.262	9.262	(1.008)	626992	100.000	103	0
	54 p,m-Xylene	106	9.345	9.345	(1.017)	1475951	200.000	192	0
	55 o-Xylene	106	9.668	9.668	(1.053)	690086	100.000	97.6	
	56 Styrene	104	9.673	9.673	(1.053)	1131175	100.000	96.2	0
	57 Bromoform ++	173	9.855	9.855	(1.073)	161220	100.000	99.9	0
	58 Isopropylbenzene	105	9.944	9.944	(1.083)	1719855	100.000	99.9	0
$	59 Bromofluorobenzene	174	10.097	10.097	(1.099)	141459	50.0000	48.1	0
	60 1,1,2,2-Tetrachloroethane++	83	10.155	10.155	(0.916)	411283	100.000	101	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	61 trans-1,4-Dichloro-2-Butene	53	10.191	10.191	(0.919)	89984	100.000	103	0
	62 1,2,3-Trichloropropane	75	10.214	10.214	(0.921)	479098	100.000	101	0
	63 Bromobenzene	77	10.250	10.250	(0.924)	868677	100.000	101	0
	64 n-Propylbenzene	91	10.279	10.279	(0.927)	1995599	100.000	105	0
	65 2-Chlorotoluene	91	10.392	10.392	(0.937)	1278483	100.000	105	0
	66 1,3,5-Trimethylbenzene	105	10.397	10.397	(0.937)	1302367	100.000	104	
	67 4-Chlorotoluene	91	10.474	10.474	(0.944)	1166466	100.000	104	0
	68 tert-butylbenzene	91	10.697	10.697	(0.964)	791394	100.000	105	0
	69 1,2,4-Trimethylbenzene	105	10.733	10.733	(0.968)	1232777	100.000	101	
	70 sec-Butylbenzene	105	10.886	10.886	(0.981)	1835743	100.000	106	
	71 p-Isopropyltoluene	119	10.992	10.992	(0.991)	1304873	100.000	102	0 (M)
	72 1,3-Dichlorobenzene	146	11.039	11.039	(0.995)	583547	100.000	93.0	
*	73 1,4-DICHLOROBENZENE-D4	152	11.093	11.093	(1.000)	167123	50.0000		0
	74 1,4-Dichlorobenzene	146	11.110	11.110	(1.002)	665293	100.000	94.5	
	75 n-Butylbenzene	91	11.363	11.363	(1.024)	1156512	100.000	103	0
M	76 TOTAL XYLENE	106				2166037	300.000	290	0
	77 1,2-Dichlorobenzene	146	11.475	11.475	(1.034)	550559	100.000	96.0	
	78 1,2-Dibromo-3-Chloropropane	157	12.207	12.207	(1.100)	58245	100.000	106	0
	79 1,2,4-Trichlorobenzene	180	13.097	13.097	(1.181)	278587	100.000	91.6	
	80 Hexachlorobutadiene	225	13.244	13.244	(1.194)	170412	100.000	97.9	0
	81 Napthalene	128	13.397	13.397	(1.208)	657613	100.000	84.1	0
	82 1,2,3-Trichlorobenzene	180	13.673	13.673	(1.233)	238860	100.000	87.9	
	97 Cyclohexane	56	6.431	6.431	(0.934)	960961	100.000	106	0 (M)
	98 Methyl Acetate	43	4.601	4.601	(0.668)	336764	100.000	96.5	0 (M)
	127 Methyl cyclohexane	83	7.347	7.347	(1.067)	768305	100.000	105	0 (M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

000119

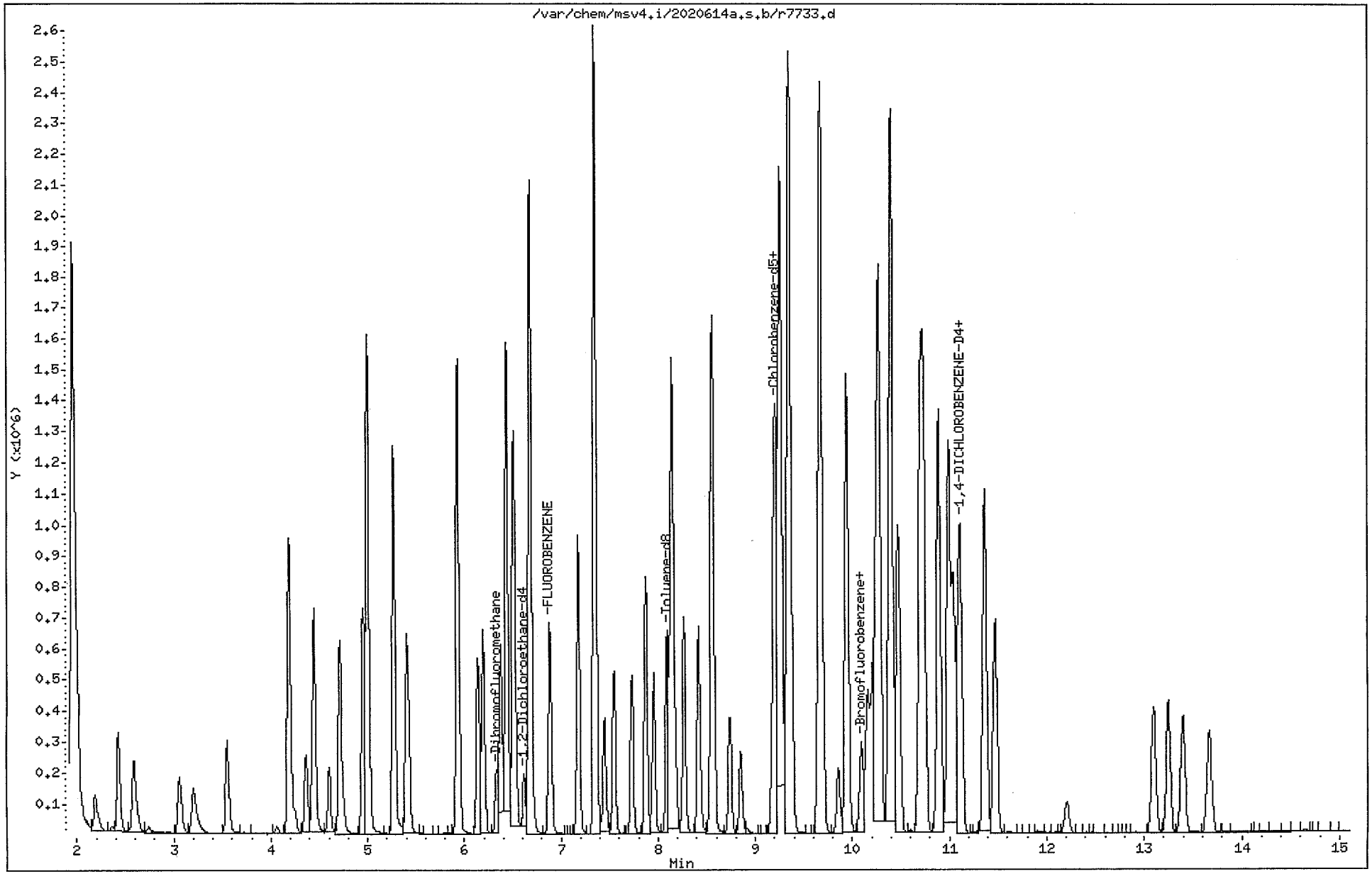
Data File: /var/chem/msv4.i/2020614a.s.b/r7733.d
Date : 14-JUN-2002 15:04
Client ID: V4STD100
Sample Info: V4STD100*4-13-6

Instrument: msv4.i

Operator: RSP

Column phase: DB-624-30M

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7734.d
Lab Smp Id: V4STD200 Client Smp ID: V4STD200
Inj Date : 14-JUN-2002 15:31
Operator : RSP Inst ID: msv4.i
Smp Info : V4STD200*4-13-6
Misc Info : MSV~STD~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020614a.s.b/8260Bs4.m
Meth Date : 24-Jun-2002 15:10 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 15:31 Cal File: r7734.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.193	2.193	(1.000)	455809	200.000	237	0 (A)
2 Chloromethane ++	50	2.427	2.427	(1.000)	1009451	200.000	209	0 (A)
3 Vinyl Chloride +	62	2.591	2.591	(1.000)	926402	200.000	218	0 (A)
4 Bromomethane	94	3.060	3.060	(1.000)	412917	200.000	194	0
5 Chloroethane	64	3.201	3.201	(1.000)	516577	200.000	204	0 (A)
6 Trichlorofluoromethane	101	3.552	3.552	(1.000)	738484	200.000	232	0 (A)
7 Acrolein	56	5.271	5.271	(1.000)	824191	1000.00	1090	0 (A)
8 1,1-Dichloroethene +	96	4.185	4.185	(1.000)	564764	200.000	220	0 (A)
9 1,1,2Trichlotrifluoroethane	101	4.191	4.191	(1.000)	575427	200.000	231	0 (A)
10 Acetone	43	4.250	4.250	(1.000)	216460	200.000	148	0
11 Methyl Iodide	142	4.362	4.362	(1.000)	856948	200.000	204	0 (A)
12 Carbon Disulfide	76	4.444	4.444	(1.000)	2724500	200.000	211	0 (A)
13 Methylene Chloride	49	4.714	4.714	(1.000)	1160174	200.000	168	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	14 Acrylonitrile	53	4.954	4.954	(1.000)	1569163	1000.00	1050	0 (A)
	15 trans-1,2-Dichloroethene	61	5.001	5.001	(1.000)	1199680	200.000	209	0 (A)
	16 MTBE	73	5.001	5.001	(1.000)	1880142	200.000	209	0 (A)
	17 Hexane	57	5.271	5.271	(0.765)	1565901	200.000	220	0 (AM)
	18 1,1-Dichloroethane ++	63	5.406	5.406	(1.000)	1527429	200.000	208	0 (A)
	19 Vinyl Acetate	43	5.271	5.271	(1.000)	1090504	200.000	215	(A)
	20 2,2-Dichloropropane	77	5.934	5.934	(1.000)	978915	200.000	217	0 (A)
	21 cis-1,2-Dichloroethene	61	5.928	5.928	(1.000)	1383456	200.000	210	0 (A)
	22 2-Butanone	43	5.928	5.928	(1.000)	488559	200.000	196	
	23 Bromochloromethane	128	6.139	6.139	(1.000)	361491	200.000	209	0 (A)
	24 Chloroform +	83	6.192	6.192	(1.000)	1229130	200.000	208	0 (A)
$	25 Dibromofluoromethane	111	6.327	6.327	(1.000)	156676	50.0000	50.0	0
	26 1,1,1-Trichloroethane	97	6.375	6.375	(1.000)	909466	200.000	217	0 (A)
	27 1,1-Dichloropropene	75	6.504	6.504	(1.000)	1131023	200.000	214	0 (A)
	28 Carbon Tetrachloride	117	6.522	6.522	(1.000)	781732	200.000	226	0 (A)
M	29 Total 1,2-Dichloroethene	61				2583136	400.000	418	0 (A)
$	30 1,2-Dichloroethane-d4	67	6.616	6.616	(1.000)	81270	50.0000	50.8	0
	31 Benzene	78	6.681	6.681	(1.000)	3665181	200.000	208	0 (A)
	32 1,2-Dichloroethane	62	6.675	6.675	(1.000)	757104	200.000	208	0 (A)
*	33 FLUOROBENZENE	96	6.887	6.887	(1.000)	755392	50.0000		0 (M)
	34 Trichloroethene	130	7.174	7.174	(1.000)	840936	200.000	207	0 (A)
	35 1,2-Dichloropropane +	63	7.350	7.350	(1.000)	980483	200.000	205	0 (A)
	36 Dibromomethane	93	7.445	7.445	(1.000)	391220	200.000	209	0 (A)
	37 Bromodichloromethane	83	7.544	7.544	(1.000)	913956	200.000	211	0 (A)
	38 2-Chloroethyl vinyl ether	63	7.732	7.732	(1.000)	561423	200.000	215	0 (A)
	39 cis-1,3-Dichloropropene	75	7.873	7.873	(1.000)	1333429	200.000	213	(A)
	40 4-methyl-2-pentanone	43	7.955	7.955	(1.155)	1002997	200.000	206	(AM)
$	41 Toluene-d8	98	8.090	8.090	(0.881)	649345	50.0000	47.3	0
	42 Toluene +	91	8.149	8.149	(0.887)	3419679	200.000	191	0
	43 trans-1,3-Dichloropropene	75	8.267	8.267	(0.900)	1062522	200.000	200	(A)
	44 1,1,2-Trichloroethane	97	8.420	8.420	(0.917)	618939	200.000	196	0
	45 1,3-Dichloropropane	76	8.549	8.549	(0.931)	1176098	200.000	194	0
	46 Tetrachloroethene	164	8.567	8.567	(0.933)	598067	200.000	199	0
	47 2-Hexanone	43	8.561	8.561	(0.932)	696569	200.000	177	0
	48 Dibromochloromethane	129	8.738	8.738	(0.951)	602814	200.000	202	0 (A)
	49 1,2-Dibromoethane(EDB)	107	8.849	8.849	(0.964)	573096	200.000	197	0
*	50 Chlorobenzene-d5	82	9.183	9.183	(1.000)	270073	50.0000		0
	51 Chlorobenzene ++	112	9.213	9.213	(1.003)	2155588	200.000	187	0
	52 1,1,1,2-Tetrachloroethane	133	9.249	9.249	(1.007)	623535	200.000	200	0
	53 Ethylbenzene +	106	9.266	9.266	(1.009)	1268665	200.000	197	0
	54 p,m-Xylene	106	9.349	9.349	(1.018)	3025839	400.000	374	0 (A)
	55 o-Xylene	106	9.666	9.666	(1.053)	1414056	200.000	190	
	56 Styrene	104	9.672	9.672	(1.053)	2352726	200.000	190	0
	57 Bromoform ++	173	9.854	9.854	(1.073)	346985	200.000	204	0 (A)
	58 Isopropylbenzene	105	9.943	9.943	(1.083)	3562565	200.000	197	0
$	59 Bromofluorobenzene	174	10.095	10.095	(1.099)	145853	50.0000	47.2	0
	60 1,1,2,2-Tetrachloroethane++	83	10.154	10.154	(0.915)	869474	200.000	196	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	61 trans-1,4-Dichloro-2-Butene	53	10.190	10.190	(0.919)	200174	200.000	211	0 (A)
	62 1,2,3-Trichloropropane	75	10.214	10.214	(0.921)	1039010	200.000	201	0 (A)
	63 Bromobenzene	77	10.255	10.255	(0.924)	1816473	200.000	195	0
	64 n-Propylbenzene	91	10.279	10.279	(0.927)	4151276	200.000	200	0 (A)
	65 2-Chlorotoluene	91	10.391	10.391	(0.937)	2595707	200.000	197	0
	66 1,3,5-Trimethylbenzene	105	10.397	10.397	(0.937)	2679547	200.000	197	
	67 4-Chlorotoluene	91	10.474	10.474	(0.944)	2340366	200.000	191	0
	68 tert-butylbenzene	91	10.703	10.703	(0.965)	1649352	200.000	201	0 (A)
	69 1,2,4-Trimethylbenzene	105	10.733	10.733	(0.968)	2588642	200.000	194	
	70 sec-Butylbenzene	105	10.886	10.886	(0.981)	3845017	200.000	205	(A)
	71 p-Isopropyltoluene	119	10.992	10.992	(0.991)	2772659	200.000	200	0 (M)
	72 1,3-Dichlorobenzene	146	11.045	11.045	(0.996)	1398763	200.000	205	(A)
*	73 1,4-DICHLOROBENZENE-D4	152	11.093	11.093	(1.000)	181872	50.0000		0
	74 1,4-Dichlorobenzene	146	11.117	11.117	(1.002)	1198238	200.000	156	
	75 n-Butylbenzene	91	11.363	11.363	(1.024)	2521337	200.000	206	0 (A)
M	76 TOTAL XYLENE	106				4439895	600.000	564	0
	77 1,2-Dichlorobenzene	146	11.475	11.475	(1.034)	1158688	200.000	186	
	78 1,2-Dibromo-3-Chloropropane	157	12.213	12.213	(1.101)	132520	200.000	222	0 (A)
	79 1,2,4-Trichlorobenzene	180	13.098	13.098	(1.181)	636494	200.000	192	
	80 Hexachlorobutadiene	225	13.245	13.245	(1.194)	394367	200.000	208	0 (A)
	81 Napthalene	128	13.398	13.398	(1.208)	1552090	200.000	182	0
	82 1,2,3-Trichlorobenzene	180	13.668	13.668	(1.232)	568832	200.000	192	
	97 Cyclohexane	56	6.434	6.434	(0.934)	2101103	200.000	229	0 (AM)
	98 Methyl Acetate	43	4.602	4.602	(0.668)	717343	200.000	203	0 (AM)
	127 Methyl cyclohexane	83	7.344	7.344	(1.066)	1640916	200.000	222	0 (AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

000123

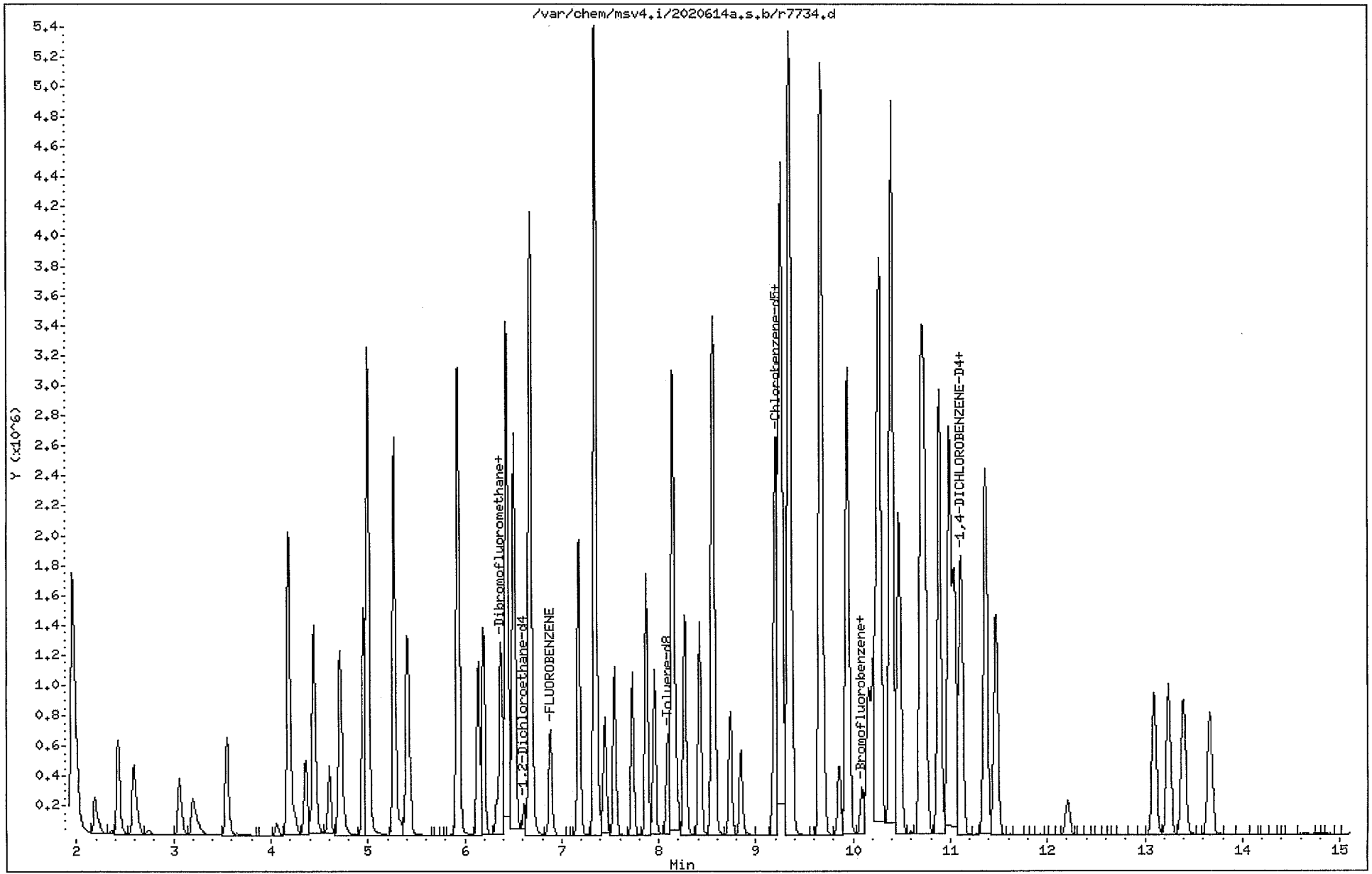
Data File: /var/chem/msv4.i/2020614a.s.b/r7734.d
Date : 14-JUN-2002 15:31
Client ID: V4STD200
Sample Info: V4STD200x4-13-6

Instrument: msv4.i

Operator: RSP

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv4.i/2020614a.s.b/r7737.d
Report Date: 25-Jun-2002 05:35

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv4.i
Lab File ID: r7737.d
Analysis Type: SOIL
Lab Sample ID: V2ICV050
Method: /var/chem/msv4.i/2020614a.s.b/8260Bs4.m

Injection Date: 14-JUN-2002 17:03
Init. Cal. Date(s): 14-JUN-2002 14-JUN-2002
Init. Cal. Times: 14:10 16:25
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	1 Dichlorodifluoromethane	0.12706	0.13226	0.010	4.08840	50.00000	Averaged
	2 Chloromethane ++	0.32042	0.30994	0.100	-3.27080	50.00000	Averaged
	3 Vinyl Chloride +	0.28079	0.27897	0.010	-0.64810	20.00000	Averaged
	4 Bromomethane	0.14071	0.14355	0.010	2.01953	50.00000	Averaged
	5 Chloroethane	0.16795	0.17866	0.010	6.37555	50.00000	Averaged
	6 Trichlorofluoromethane	0.21030	0.21668	0.010	3.03243	50.00000	Averaged
	7 Acrolein	0.04985	0.04647	0.001	-6.78639	50.00000	Averaged
	8 1,1-Dichloroethene +	0.16990	0.17709	0.010	4.22802	20.00000	Averaged
	9 1,1,2Trichlotrifluoroethane	0.16491	0.16979	0.010	2.95637	50.00000	Averaged
	10 Acetone	0.09698	0.07332	0.010	-24.39453	50.00000	Averaged
	11 Methyl Iodide	0.27842	0.27474	0.010	-1.32015	50.00000	Averaged
	12 Carbon Disulfide	0.85481	0.87143	0.100	1.94519	50.00000	Averaged
	13 Methylene Chloride	0.45645	0.37361	0.100	-18.14893	50.00000	Averaged
	14 Acrylonitrile	0.09930	0.09693	0.010	-2.38224	50.00000	Averaged
	15 trans-1,2-Dichloroethene	0.38072	0.37561	0.100	-1.34282	50.00000	Averaged
	16 MTBE	0.59607	0.56595	0.100	-5.05354	50.00000	Averaged
	18 1,1-Dichloroethane ++	0.48651	0.49104	0.100	0.93186	50.00000	Averaged
	19 Vinyl Acetate	0.33504	0.32235	0.100	-3.78849	50.00000	Averaged
	20 2,2-Dichloropropane	0.29805	0.30827	0.100	3.43091	50.00000	Averaged
	21 cis-1,2-Dichloroethene	0.43653	0.42754	0.100	-2.05888	50.00000	Averaged
	22 2-Butanone	0.16479	0.14808	0.100	-10.14118	50.00000	Averaged
	23 Bromochloromethane	0.11452	0.11037	0.100	-3.62170	50.00000	Averaged
	24 Chloroform +	0.39154	0.38878	0.100	-0.70555	20.00000	Averaged
$	25 Dibromofluoromethane	0.20742	0.20461	0.100	-1.35562	50.00000	Averaged
	26 1,1,1-Trichloroethane	0.27692	0.28768	0.100	3.88535	50.00000	Averaged
	27 1,1-Dichloropropene	0.34972	0.35565	0.100	1.69753	50.00000	Averaged
	28 Carbon Tetrachloride	0.22857	0.23664	0.100	3.53127	50.00000	Averaged
M	29 Total 1,2-Dichloroethene	0.40862	0.40157	0.100	-1.72530	50.00000	Averaged
$	30 1,2-Dichloroethane-d4	0.10600	0.10423	0.100	-1.66846	50.00000	Averaged
	31 Benzene	1.16761	1.16152	0.100	-0.52109	50.00000	Averaged
	32 1,2-Dichloroethane	0.24150	0.23036	0.100	-4.61029	50.00000	Averaged
	34 Trichloroethene	0.26848	0.26579	0.100	-1.00125	50.00000	Averaged
	35 1,2-Dichloropropane +	0.31669	0.31027	0.100	-2.02849	20.00000	Averaged
	36 Dibromomethane	0.12400	0.11611	0.100	-6.36080	50.00000	Averaged
	37 Bromodichloromethane	0.28645	0.27751	0.100	-3.11897	50.00000	Averaged
	38 2-Chloroethyl vinyl ether	0.17247	0.16554	0.010	-4.01776	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv4.i
Lab File ID: r7737.d
Analysis Type: SOIL
Lab Sample ID: V2ICV050
Method: /var/chem/msv4.i/2020614a.s.b/8260Bs4.m

Injection Date: 14-JUN-2002 17:03
Init. Cal. Date(s): 14-JUN-2002 14-JUN-2002
Init. Cal. Times: 14:10 16:25
Quant Type: ISTD

	COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
	39 cis-1,3-Dichloropropene	0.41511	0.39931	0.100	-3.80492	50.00000	Averaged
	40 4-methyl-2-pentanone	0.32261	0.21192	0.100	-34.30886	50.00000	Averaged
$	41 Toluene-d8	2.54344	2.58083	0.100	1.46992	50.00000	Averaged
	42 Toluene +	3.30834	3.25481	0.100	-1.61806	20.00000	Averaged
	43 trans-1,3-Dichloropropene	0.98161	0.95071	0.100	-3.14776	50.00000	Averaged
	44 1,1,2-Trichloroethane	0.58606	0.55889	0.100	-4.63544	50.00000	Averaged
	45 1,3-Dichloropropane	1.12449	1.09011	0.100	-3.05736	50.00000	Averaged
	46 Tetrachloroethene	0.55532	0.56203	0.100	1.20805	50.00000	Averaged
	47 2-Hexanone	0.72707	0.63821	0.100	-12.22128	50.00000	Averaged
	48 Dibromochloromethane	0.55299	0.52975	0.100	-4.20317	50.00000	Averaged
	49 1,2-Dibromoethane(EDB)	0.53979	0.51904	0.100	-3.84351	50.00000	Averaged
	51 Chlorobenzene ++	2.13741	2.05615	0.300	-3.80179	50.00000	Averaged
	52 1,1,1,2-Tetrachloroethane	0.57856	0.58345	0.100	0.84456	50.00000	Averaged
	53 Ethylbenzene +	1.18929	1.23933	0.100	4.20757	20.00000	Averaged
	54 p,m-Xylene	1.49766	1.49136	0.100	-0.42021	50.00000	Averaged
	55 o-Xylene	1.37753	1.37915	0.100	0.11718	50.00000	Averaged
	56 Styrene	2.28920	2.21150	0.100	-3.39416	50.00000	Averaged
	57 Bromoform ++	0.31447	0.30983	0.100	-1.47588	50.00000	Averaged
	58 Isopropylbenzene	3.35361	3.50047	0.100	4.37919	50.00000	Averaged
$	59 Bromofluorobenzene	0.57231	0.60119	0.100	5.04694	50.00000	Averaged
	60 1,1,2,2-Tetrachloroethane++	1.21652	1.07018	0.300	-12.02986	50.00000	Averaged
	61 trans-1,4-Dichloro-2-Butene	0.26103	0.23477	0.100	-10.06259	50.00000	Averaged
	62 1,2,3-Trichloropropane	1.41885	1.26963	0.100	-10.51711	50.00000	Averaged
	63 Bromobenzene	2.56074	2.31579	0.100	-9.56553	50.00000	Averaged
	64 n-Propylbenzene	5.70578	5.42589	0.100	-4.90537	50.00000	Averaged
	65 2-Chlorotoluene	3.63101	3.30501	0.100	-8.97816	50.00000	Averaged
	66 1,3,5-Trimethylbenzene	3.73615	3.61403	0.100	-3.26854	50.00000	Averaged
	67 4-Chlorotoluene	3.37114	2.98616	0.100	-11.41977	50.00000	Averaged
	68 tert-butylbenzene	2.25382	2.20670	0.100	-2.09067	50.00000	Averaged
	69 1,2,4-Trimethylbenzene	3.65997	3.44687	0.100	-5.82257	50.00000	Averaged
	70 sec-Butylbenzene	5.15833	5.15333	0.100	-0.09694	50.00000	Averaged
	71 p-Isopropyltoluene	3.81969	3.81510	0.100	-0.12028	50.00000	Averaged
	72 1,3-Dichlorobenzene	1.87686	1.80655	0.100	-3.74642	50.00000	Averaged
	74 1,4-Dichlorobenzene	2.10627	1.65545	0.100	-21.40368	50.00000	Averaged
	75 n-Butylbenzene	3.36958	3.19289	0.100	-5.24375	50.00000	Averaged
M	76 TOTAL XYLENE	1.61851	1.45396	0.100	-10.16661	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv4.i
Lab File ID: r7737.d
Analysis Type: SOIL
Lab Sample ID: V2ICV050
Method: /var/chem/msv4.i/2020614a.s.b/8260Bs4.m

Injection Date: 14-JUN-2002 17:03
Init. Cal. Date(s): 14-JUN-2002 14-JUN-2002
Init. Cal. Times: 14:10 16:25
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 1,2-Dichlorobenzene	1.71561	1.56461	0.100	-8.80158	50.00000	Averaged
78 1,2-Dibromo-3-Chloropropane	0.16419	0.16516	0.100	0.58951	50.00000	Averaged
79 1,2,4-Trichlorobenzene	0.90955	0.83436	0.100	-8.26691	50.00000	Averaged
80 Hexachlorobutadiene	0.52098	0.56915	0.100	9.24696	50.00000	Averaged
81 Napthalene	2.33998	2.16216	0.100	-7.59937	50.00000	Averaged
82 1,2,3-Trichlorobenzene	0.81295	0.77455	0.100	-4.72385	50.00000	Averaged

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020614a.s.b/r7737.d
Lab Smp Id: V2ICV050 Client Smp ID: V2ICV050
Inj Date : 14-JUN-2002 17:03
Operator : RSP Inst ID: msv4.i
Smp Info : V2ICV050
Misc Info : MSV~ICV~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020614a.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:34 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * (Uf/Ws)/((100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	2.187	2.187	(0.318)	94599	50.0000	52.0	0
2 Chloromethane ++	50	2.427	2.427	(0.352)	221695	50.0000	48.4	0
3 Vinyl Chloride +	62	2.585	2.585	(0.375)	199540	50.0000	49.7	0
4 Bromomethane	94	3.054	3.054	(0.443)	102680	50.0000	51.0	0
5 Chloroethane	64	3.200	3.200	(0.465)	127790	50.0000	53.2	0
6 Trichlorofluoromethane	101	3.552	3.552	(0.516)	154984	50.0000	51.5	0
7 Acrolein	56	5.269	5.269	(0.765)	166193	250.000	233	0
8 1,1-Dichloroethene +	96	4.184	4.184	(0.607)	126665	50.0000	52.1	0
9 1,1,2Trichlotrifluoroethane	101	4.190	4.190	(0.608)	121445	50.0000	51.5	0
10 Acetone	43	4.243	4.243	(0.616)	52447	50.0000	37.8	0
11 Methyl Iodide	142	4.360	4.360	(0.633)	196518	50.0000	49.3	0
12 Carbon Disulfide	76	4.442	4.442	(0.645)	623315	50.0000	51.0	0
13 Methylene Chloride	49	4.712	4.712	(0.684)	267235	50.0000	40.9	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	14 Acrylonitrile	53	4.952	4.952	(0.719)	346666	250.000	244	0
	15 trans-1,2-Dichloroethene	61	4.999	4.999	(0.726)	268665	50.0000	49.3	0
	16 MTBE	73	4.999	4.999	(0.726)	404809	50.0000	47.5	0
	18 1,1-Dichloroethane ++	63	5.404	5.404	(0.785)	351228	50.0000	50.5	0
	19 Vinyl Acetate	43	5.269	5.269	(0.765)	230567	50.0000	48.1	
	20 2,2-Dichloropropane	77	5.937	5.937	(0.862)	220500	50.0000	51.7	0
	21 cis-1,2-Dichloroethene	61	5.931	5.931	(0.861)	305807	50.0000	49.0	0
	22 2-Butanone	43	5.925	5.925	(0.860)	105916	50.0000	44.9	
	23 Bromochloromethane	128	6.136	6.136	(0.891)	78947	50.0000	48.2	0
	24 Chloroform +	83	6.195	6.195	(0.899)	278086	50.0000	49.6	0
$	25 Dibromofluoromethane	111	6.324	6.324	(0.918)	146353	50.0000	49.3	0
	26 1,1,1-Trichloroethane	97	6.371	6.371	(0.925)	205770	50.0000	51.9	0
	27 1,1-Dichloropropene	75	6.500	6.500	(0.944)	254391	50.0000	50.8	0
	28 Carbon Tetrachloride	117	6.518	6.518	(0.946)	169260	50.0000	51.8	0
M	29 Total 1,2-Dichloroethene	61				574472	100.000	98.3	0
$	30 1,2-Dichloroethane-d4	67	6.612	6.612	(0.960)	74551	50.0000	49.2	0
	31 Benzene	78	6.677	6.677	(0.969)	830809	50.0000	49.7	0
	32 1,2-Dichloroethane	62	6.677	6.677	(0.969)	164773	50.0000	47.7	0
*	33 FLUOROBENZENE	96	6.888	6.888	(1.000)	715275	50.0000		0
	34 Trichloroethene	130	7.175	7.175	(1.042)	190113	50.0000	49.5	0
	35 1,2-Dichloropropane +	63	7.351	7.351	(1.067)	221925	50.0000	49.0	0
	36 Dibromomethane	93	7.445	7.445	(1.081)	83050	50.0000	46.8	0
	37 Bromodichloromethane	83	7.545	7.545	(1.095)	198497	50.0000	48.4	0
	38 2-Chloroethyl vinyl ether	63	7.726	7.726	(1.122)	118407	50.0000	48.0	0
	39 cis-1,3-Dichloropropene	75	7.873	7.873	(1.143)	285620	50.0000	48.1	
	40 4-methyl-2-pentanone	43	8.560	8.560	(1.243)	151584	50.0000	32.8	
$	41 Toluene-d8	98	8.096	8.096	(0.881)	614945	50.0000	50.7	0
	42 Toluene +	91	8.143	8.143	(0.886)	775536	50.0000	49.2	0
	43 trans-1,3-Dichloropropene	75	8.266	8.266	(0.900)	226530	50.0000	48.4	
	44 1,1,2-Trichloroethane	97	8.419	8.419	(0.916)	133169	50.0000	47.7	0
	45 1,3-Dichloropropane	76	8.554	8.554	(0.931)	259745	50.0000	48.5	0
	46 Tetrachloroethene	164	8.566	8.566	(0.932)	133917	50.0000	50.6	0
	47 2-Hexanone	43	8.560	8.560	(0.932)	152069	50.0000	43.9	0
	48 Dibromochloromethane	129	8.742	8.742	(0.952)	126226	50.0000	47.9	0
	49 1,2-Dibromoethane(EDB)	107	8.847	8.847	(0.963)	123674	50.0000	48.1	0
*	50 Chlorobenzene-d5	82	9.187	9.187	(1.000)	238274	50.0000		0
	51 Chlorobenzene ++	112	9.211	9.211	(1.003)	489927	50.0000	48.1	0
	52 1,1,1,2-Tetrachloroethane	133	9.246	9.246	(1.006)	139021	50.0000	50.4	0
	53 Ethylbenzene +	106	9.264	9.264	(1.008)	295300	50.0000	52.1	0
	54 p,m-Xylene	106	9.347	9.347	(1.017)	710707	100.000	99.6	0
	55 o-Xylene	106	9.669	9.669	(1.052)	328615	50.0000	50.1	
	56 Styrene	104	9.669	9.669	(1.052)	526943	50.0000	48.3	0
	57 Bromoform ++	173	9.857	9.857	(1.073)	73824	50.0000	49.3	0
	58 Isopropylbenzene	105	9.945	9.945	(1.082)	834070	50.0000	52.2	0
$	59 Bromofluorobenzene	174	10.092	10.092	(1.098)	143248	50.0000	52.5	0
	60 1,1,2,2-Tetrachloroethane++	83	10.157	10.157	(0.916)	189267	50.0000	44.0	0
	61 trans-1,4-Dichloro-2-Butene	53	10.192	10.192	(0.919)	41520	50.0000	45.0	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	62 1,2,3-Trichloropropane	75	10.216	10.216	(0.921)	224541	50.0000	44.7	0
	63 Bromobenzene	77	10.257	10.257	(0.925)	409561	50.0000	45.2	0
	64 n-Propylbenzene	91	10.281	10.281	(0.927)	959601	50.0000	47.5	0
	65 2-Chlorotoluene	91	10.392	10.392	(0.937)	584511	50.0000	45.5	0
	66 1,3,5-Trimethylbenzene	105	10.398	10.398	(0.937)	639163	50.0000	48.4	
	67 4-Chlorotoluene	91	10.475	10.475	(0.944)	528121	50.0000	44.3	0
	68 tert-butylbenzene	91	10.704	10.704	(0.965)	390269	50.0000	49.0	0
	69 1,2,4-Trimethylbenzene	105	10.733	10.733	(0.968)	609599	50.0000	47.1	
	70 sec-Butylbenzene	105	10.892	10.892	(0.982)	911397	50.0000	50.0	
	71 p-Isopropyltoluene	119	10.992	10.992	(0.991)	674723	50.0000	49.9	0(H)
	72 1,3-Dichlorobenzene	146	11.039	11.039	(0.995)	319499	50.0000	48.1	
*	73 1,4-DICHLOROBENZENE-D4	152	11.092	11.092	(1.000)	176856	50.0000		0
	74 1,4-Dichlorobenzene	146	11.116	11.116	(1.002)	292776	50.0000	39.3	
	75 n-Butylbenzene	91	11.368	11.368	(1.025)	564682	50.0000	47.4	0
M	76 TOTAL XYLENE	106				1039322	150.000	150	0
	77 1,2-Dichlorobenzene	146	11.474	11.474	(1.034)	276710	50.0000	45.6	
	78 1,2-Dibromo-3-Chloropropane	157	12.211	12.211	(1.101)	29209	50.0000	50.3	0
	79 1,2,4-Trichlorobenzene	180	13.102	13.102	(1.181)	147562	50.0000	45.9	
	80 Hexachlorobutadiene	225	13.243	13.243	(1.194)	100658	50.0000	54.6	0
	81 Napthalene	128	13.401	13.401	(1.208)	382391	50.0000	46.2	0
	82 1,2,3-Trichlorobenzene	180	13.665	13.665	(1.232)	136983	50.0000	47.6	

QC Flag Legend

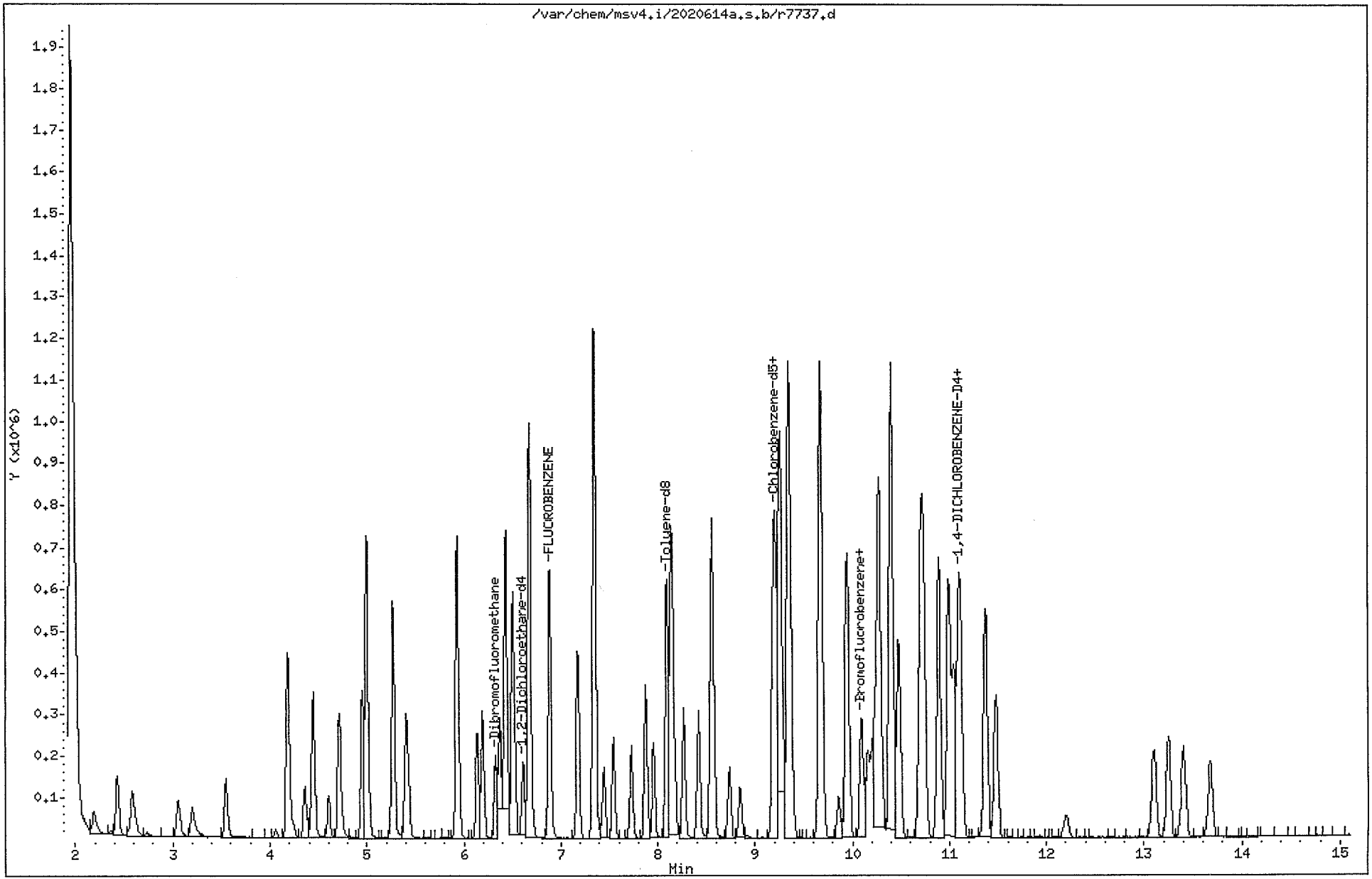
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv4.i/2020614a.s.b/r7737.d
Date : 14-JUN-2002 17:03
Client ID: V2ICV050
Sample Info: V2ICV050

Column phase: DB-624-30M

Instrument: msv4.i

Operator: RSP
Column diameter: 0.53



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date: 06/20/02 Time: 0906

Lab File ID: R7863 Init. Calib. Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Init. Calib. Times: 1410 1625

GC Column: DB-624-M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Bromochloromethane	0.115	0.116	0.100	-0.9	50.0
Chloromethane ++	0.321	0.286	0.100	10.9	50.0
Bromomethane	0.141	0.142	0.100	-0.7	50.0
Vinyl Chloride +	0.281	0.262	0.100	6.8	20.0
Chloroethane	0.168	0.166	0.100	1.2	50.0
Methylene Chloride	0.456	0.399	0.100	12.5	50.0
1,1-Dichloroethene +	0.170	0.163	0.100	4.1	20.0
1,1-Dichloroethane ++	0.487	0.471	0.100	3.3	50.0
cis-1,2-Dichloroethene	0.437	0.432	0.100	1.1	50.0
Chloroform +	0.392	0.382	0.100	2.6	20.0
1,2-Dichloroethane	0.241	0.247	0.100	-2.5	50.0
1,1,1-Trichloroethane	0.277	0.270	0.100	2.5	50.0
Carbon Tetrachloride	0.229	0.225	0.100	1.7	50.0
Bromodichloromethane	0.286	0.283	0.100	1.0	50.0
1,2-Dichloropropane +	0.317	0.314	0.100	0.9	20.0
cis-1,3-Dichloropropene	0.415	0.420	0.100	-1.2	50.0
Trichloroethene	0.268	0.262	0.100	2.2	50.0
1,1,2-Trichloroethane	0.586	0.567	0.100	3.2	50.0
Benzene	1.168	1.155	0.100	1.1	50.0
trans-1,3-Dichloropropene	0.982	0.962	0.100	2.0	50.0
Bromoform ++	0.314	0.304	0.100	3.2	50.0
Tetrachloroethene	0.555	0.531	0.100	4.3	50.0
1,1,2,2-Tetrachloroethane++	1.216	1.085	0.300	10.8	50.0
Toluene +	3.309	3.118	0.100	5.8	20.0
Chlorobenzene ++	2.137	2.009	0.300	6.0	50.0
Ethylbenzene +	1.189	1.164	0.100	2.1	20.0
Styrene	2.289	2.161	0.100	5.6	50.0
Trichlorofluoromethane	0.210	0.209	0.100	0.5	50.0
p,m-Xylene	1.497	1.407	0.100	6.0	50.0
trans-1,2-Dichloroethene	0.381	0.370	0.100	2.9	50.0
1,2-Dibromoethane(EDB)	0.540	0.520	0.100	3.7	50.0
1,3-Dichlorobenzene	1.877	1.733	0.100	7.7	50.0
1,4-Dichlorobenzene	2.106	1.788	0.100	15.1	50.0
1,2-Dichlorobenzene	1.716	1.630	0.100	5.0	50.0
1,2-Dibromo-3-Chloropropane	0.164	0.161	0.100	1.8	50.0
o-Xylene	1.377	1.332	0.100	3.3	50.0
sec-Butylbenzene	5.158	4.862	0.100	5.7	50.0

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date: 06/20/02 Time: 0906

Lab File ID: R7863 Init. Calib. Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Init. Calib. Times: 1410 1625

GC Column: DB-624-M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
2-Chlorotoluene	3.631	3.503	0.100	3.5	50.0
Dibromomethane	0.124	0.123	0.100	0.8	50.0
Isopropylbenzene	3.354	3.238	0.100	3.4	50.0
n-Propylbenzene	5.706	5.398	0.100	5.4	50.0
1,2,3-Trichloropropane	1.419	1.294	0.100	8.8	50.0
4-Chlorotoluene	3.371	3.253	0.100	3.5	50.0
1,2,4-Trimethylbenzene	3.660	3.311	0.100	9.5	50.0
tert-butylbenzene	2.254	2.090	0.100	7.3	50.0
Bromobenzene	2.561	2.378	0.100	7.1	50.0
1,3,5-Trimethylbenzene	3.736	3.437	0.100	8.0	50.0
Dibromochloromethane	0.553	0.538	0.100	2.7	50.0
Acrolein	0.050	0.050	0.100	0.0	50.0
Acrylonitrile	0.099	0.095	0.100	4.0	50.0
1,1,1,2-Tetrachloroethane	0.579	0.559	0.100	3.4	50.0
Acetone	0.097	0.098	0.100	-1.0	50.0
Carbon Disulfide	0.855	0.802	0.100	6.2	50.0
2-Butanone	0.165	0.142	0.100	13.9	50.0
4-methyl-2-pentanone	0.322	0.210	0.100	34.8	50.0
2-Hexanone	0.727	0.609	0.100	16.2	50.0
Vinyl Acetate	0.335	0.326	0.100	2.7	50.0
Methyl Iodide	0.278	0.272	0.100	2.2	50.0
TOTAL XYLENE	1.458	1.382	0.100	5.2	50.0
trans-1,4-Dichloro-2-Butene	0.261	0.257	0.100	1.5	50.0
Dichlorodifluoromethane	0.127	0.111	0.100	12.6	50.0
2,2-Dichloropropane	0.298	0.296	0.100	0.7	50.0
1,1-Dichloropropene	0.349	0.335	0.100	4.0	50.0
1,3-Dichloropropane	1.124	1.081	0.100	3.8	50.0
n-Butylbenzene	3.370	3.190	0.100	5.3	50.0
p-Isopropyltoluene	3.820	3.626	0.100	5.1	50.0
2-Chloroethyl vinyl ether	0.172	0.182	0.100	-5.8	50.0
1,2,4-Trichlorobenzene	0.909	0.941	0.100	-3.5	50.0
Hexachlorobutadiene	0.521	0.530	0.100	-1.7	50.0
1,2,3-Trichlorobenzene	0.813	0.834	0.100	-2.6	50.0
Napthalene	2.340	2.274	0.100	2.8	50.0
1,1,2Trichlotrifluoroethane	0.165	0.166	0.100	-0.6	50.0
Total 1,2-Dichloroethene	0.408	0.401	0.100	1.7	50.0
MTBE	0.596	0.593	0.100	0.5	50.0

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSV4 Calibration Date: 06/20/02 Time: 0906

Lab File ID: R7863 Init. Calib. Date(s): 06/14/02 06/14/02

Heated Purge: (Y/N) Y Init. Calib. Times: 1410 1625

GC Column: DB-624-M ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Toluene-d8	2.543	2.488	0.100	2.2	50.0
Bromofluorobenzene	0.572	0.582	0.100	-1.7	50.0
1,2-Dichloroethane-d4	0.106	0.108	0.100	-1.9	50.0
Dibromofluoromethane	0.207	0.208	0.100	-0.5	50.0

All other compounds must meet a minimum RRF of 0.010.

Data File: /var/chem/msv4.i/2020620.s.b/r7862.d

Date : 20-JUN-2002 08:32

Client ID: 0620V4BFB01

Instrument: msv4.i

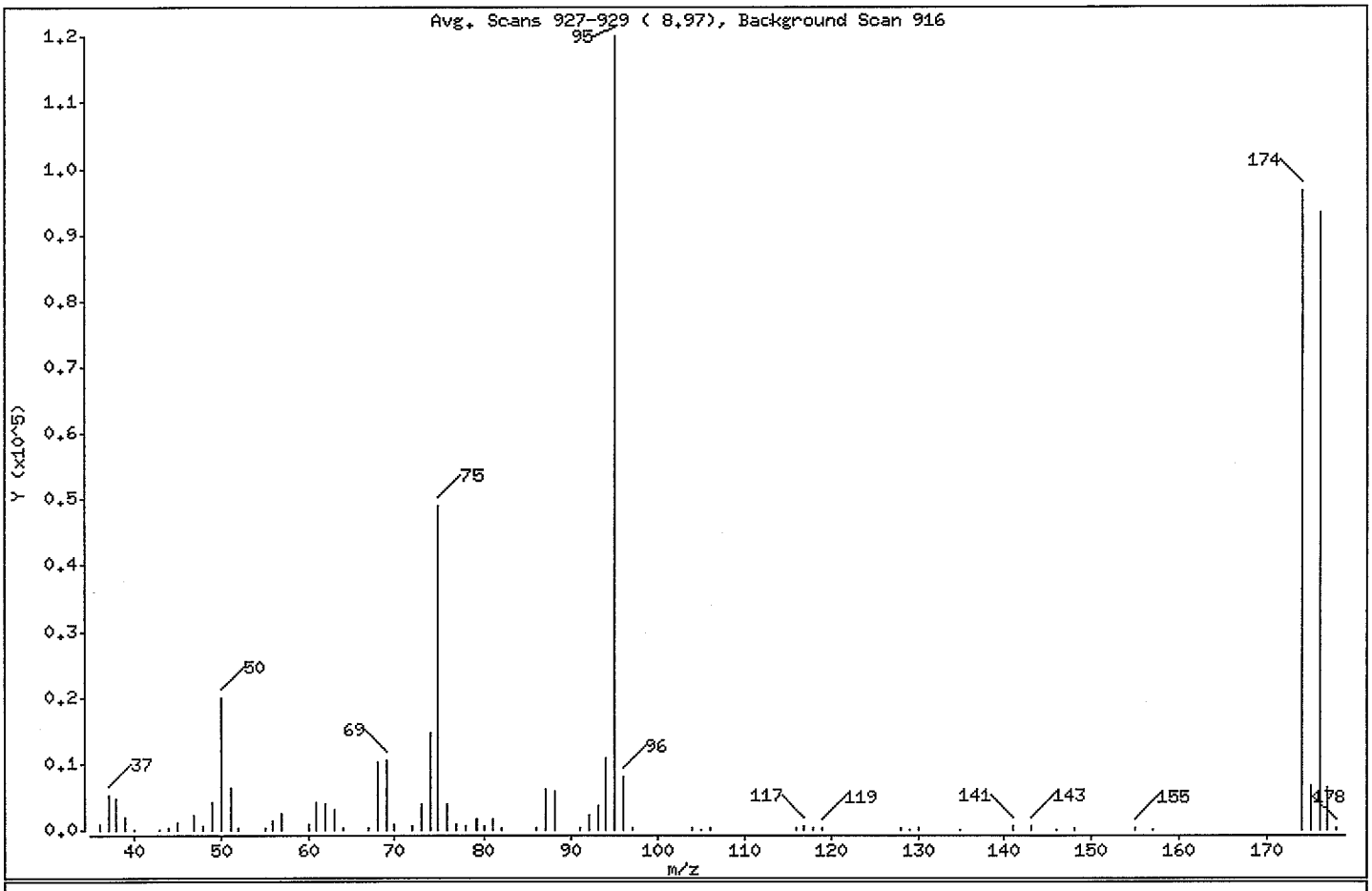
Sample Info: 0620V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.65
75	30.00 - 60.00% of mass 95	40.80
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 99.99% of mass 95	80.30
175	5.00 - 9.00% of mass 174	5.53 (6.89)
176	95.00 - 101.00% of mass 174	77.59 (96.63)
177	5.00 - 9.00% of mass 176	5.30 (6.83)

Data File: /var/chem/msv4.i/2020620.s.b/r7862.d

Date : 20-JUN-2002 08:32

Client ID: 0620V4BFB01

Instrument: msv4.i

Sample Info: 0620V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53

Data File: r7862.d
Spectrum: Avg. Scans 927-929 (8.97), Background Scan 916
Location of Maximum: 95.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	928	61.00	4230	82.00	267	128.00	311
37.00	5213	62.00	3805	86.00	166	129.00	120
38.00	4617	63.00	3014	87.00	6045	130.00	311
39.00	1877	64.00	245	88.00	5698	135.00	63
40.00	89	67.00	283	91.00	262	141.00	471
43.00	61	68.00	10215	92.00	2165	143.00	572
44.00	373	69.00	10409	93.00	3581	146.00	63
45.00	1006	70.00	766	94.00	10805	148.00	166
47.00	2258	72.00	468	95.00	120088	155.00	232
48.00	613	73.00	4003	96.00	7953	157.00	121
49.00	4251	74.00	14581	97.00	401	174.00	96432
50.00	20000	75.00	48992	104.00	249	175.00	6643
51.00	6317	76.00	3972	105.00	58	176.00	93176
52.00	207	77.00	796	106.00	308	177.00	6362
55.00	258	78.00	596	116.00	258	178.00	219
56.00	1314	79.00	1619	117.00	422		
57.00	2600	80.00	484	118.00	236		
60.00	920	81.00	1566	119.00	354		

Data File: /var/chem/msv4.i/2020620.s.b/r7862.d

Date : 20-JUN-2002 08:32

Client ID: 0620V4BFB01

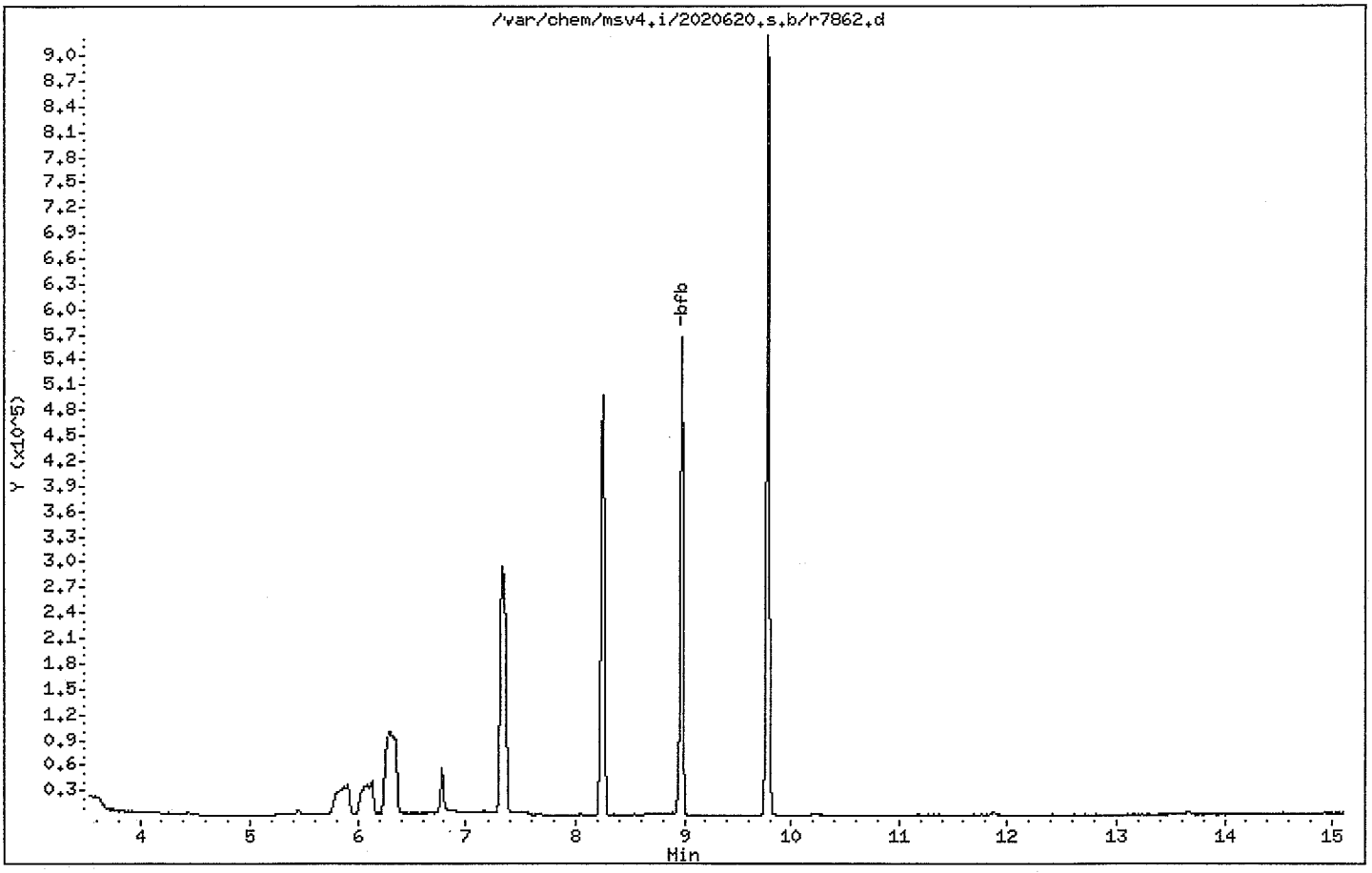
Instrument: msv4.i

Sample Info: 0620V4BFB01*TUNE

Operator: RJO

Column phase: DB-624

Column diameter: 0.53



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7863.d
Lab Smp Id: V4STD050 Client Smp ID: V4STD050
Inj Date : 20-JUN-2002 09:06
Operator : RJO Inst ID: msv4.i
Smp Info : V4STD050*4-13-6
Misc Info : MSV~CCV~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 24-Jun-2002 15:21 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	2.169	2.169	(0.317)	91568	50.0000	43.6
2 Chloromethane ++	50	2.404	2.404	(0.351)	236191	50.0000	44.6
3 Vinyl Chloride +	62	2.562	2.562	(0.374)	216257	50.0000	46.6
4 Bromomethane	94	3.025	3.025	(0.442)	117121	50.0000	50.4
5 Chloroethane	64	3.172	3.172	(0.463)	137368	50.0000	49.5
6 Trichlorofluoromethane	101	3.518	3.518	(0.514)	172314	50.0000	49.6
7 1,1-Dichloroethene +	96	4.156	4.156	(0.607)	134732	50.0000	48.0
8 1,1,2Trichlotrifluoroethane	101	4.156	4.156	(0.607)	137487	50.0000	50.5
9 Acetone	43	4.209	4.209	(0.615)	81320	50.0000	50.8
10 Methyl Iodide	142	4.326	4.326	(0.632)	224805	50.0000	48.9
11 Carbon Disulfide	76	4.408	4.408	(0.644)	661717	50.0000	46.9
12 Methyl Acetate	43	4.566	4.566	(0.667)	172977	50.0000	44.7(M)
13 Methylene Chloride	49	4.684	4.684	(0.684)	329489	50.0000	43.7
14 Acrylonitrile	53	4.924	4.924	(0.719)	392277	250.000	239(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	15 MTBE	73	4.965	4.965	(0.725)	489925	50.0000	49.8
	16 trans-1,2-Dichloroethene	61	4.965	4.965	(0.725)	305172	50.0000	48.5
	17 Hexane	57	5.241	5.241	(0.765)	381843	50.0000	49.0(M)
	18 Acrolein	56	5.241	5.241	(0.765)	207526	250.000	252(A)
	19 Vinyl Acetate	43	5.235	5.235	(0.764)	268939	50.0000	48.6
	20 1,1-Dichloroethane ++	63	5.376	5.376	(0.785)	389131	50.0000	48.4
	21 2-Butanone	43	5.891	5.891	(0.860)	117385	50.0000	43.1
	22 cis-1,2-Dichloroethene	61	5.897	5.897	(0.861)	356897	50.0000	49.5
	23 2,2-Dichloropropane	77	5.903	5.903	(0.862)	243972	50.0000	49.6
M	24 Total 1,2-Dichloroethene	61				662069	100.000	98.1
	25 Bromochloromethane	128	6.108	6.108	(0.892)	95714	50.0000	50.6
	26 Chloroform +	83	6.161	6.161	(0.900)	315268	50.0000	48.8
$	27 Dibromofluoromethane	111	6.290	6.290	(0.918)	172093	50.0000	50.2
	28 1,1,1-Trichloroethane	97	6.337	6.337	(0.925)	223090	50.0000	48.8
	29 Cyclohexane	56	6.402	6.402	(0.935)	511806	50.0000	51.0(M)
	30 1,1-Dichloropropene	75	6.467	6.467	(0.944)	276547	50.0000	47.9
	31 Carbon Tetrachloride	117	6.484	6.484	(0.947)	186042	50.0000	49.3
$	32 1,2-Dichloroethane-d4	67	6.578	6.578	(0.961)	89200	50.0000	51.0
	33 1,2-Dichloroethane	62	6.643	6.643	(0.970)	203697	50.0000	51.1
	34 Benzene	78	6.643	6.643	(0.970)	953351	50.0000	49.4
*	35 FLUOROBENZENE	96	6.848	6.848	(1.000)	825575	50.0000	
	36 Trichloroethene	130	7.142	7.142	(1.043)	216492	50.0000	48.8
	37 Methyl cyclohexane	83	7.312	7.312	(1.068)	407328	50.0000	50.4(M)
	38 1,2-Dichloropropane +	63	7.318	7.318	(1.068)	259268	50.0000	49.6
	39 Dibromomethane	93	7.412	7.412	(1.082)	101640	50.0000	49.6
	40 Bromodichloromethane	83	7.511	7.511	(1.097)	233673	50.0000	49.4
	41 2-Chloroethyl vinyl ether	63	7.693	7.693	(1.123)	150359	50.0000	52.8
	42 cis-1,3-Dichloropropene	75	7.840	7.840	(1.145)	346698	50.0000	50.6
	43 4-methyl-2-pentanone	43	8.521	8.521	(1.244)	173618	50.0000	32.6
$	44 Toluene-d8	98	8.057	8.057	(0.881)	710815	50.0000	48.9
	45 Toluene +	91	8.110	8.110	(0.886)	890624	50.0000	47.1
	46 trans-1,3-Dichloropropene	75	8.233	8.233	(0.900)	274902	50.0000	49.0
	47 1,1,2-Trichloroethane	97	8.386	8.386	(0.917)	162027	50.0000	48.4
	48 1,3-Dichloropropane	76	8.515	8.515	(0.931)	308906	50.0000	48.1
	49 2-Hexanone	43	8.521	8.521	(0.931)	173845	50.0000	41.8
	50 Tetrachloroethene	164	8.533	8.533	(0.933)	151634	50.0000	47.8
	51 Dibromochloromethane	129	8.703	8.703	(0.951)	153839	50.0000	48.7
	52 1,2-Dibromoethane(EDB)	107	8.808	8.808	(0.963)	148635	50.0000	48.2
*	53 Chlorobenzene-d5	82	9.148	9.148	(1.000)	285645	50.0000	
	54 Chlorobenzene ++	112	9.172	9.172	(1.003)	573980	50.0000	47.0
	55 1,1,1,2-Tetrachloroethane	133	9.213	9.213	(1.007)	159738	50.0000	48.3
	56 Ethylbenzene +	106	9.225	9.225	(1.008)	332655	50.0000	49.0
	57 p,m-Xylene	106	9.308	9.308	(1.017)	803971	100.000	94.0
	58 o-Xylene	106	9.636	9.636	(1.053)	380477	50.0000	48.3
	59 Styrene	104	9.636	9.636	(1.053)	617392	50.0000	47.2
	60 Bromoform ++	173	9.812	9.812	(1.073)	86875	50.0000	48.4
	61 Isopropylbenzene	105	9.906	9.906	(1.083)	924783	50.0000	48.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
$	62 Bromofluorobenzene	174	10.053	10.053	(1.099)	166251	50.0000	50.8
	63 1,1,2,2-Tetrachloroethane++	83	10.118	10.118	(0.916)	224646	50.0000	44.6
	64 trans-1,4-Dichloro-2-Butene	53	10.147	10.147	(0.918)	53187	50.0000	49.2
	65 1,2,3-Trichloropropane	75	10.177	10.177	(0.921)	267935	50.0000	45.6
	66 Bromobenzene	77	10.212	10.212	(0.924)	492201	50.0000	46.4
	67 n-Propylbenzene	91	10.236	10.236	(0.926)	1117505	50.0000	47.3
	68 2-Chlorotoluene	91	10.354	10.354	(0.937)	725279	50.0000	48.2
	69 1,3,5-Trimethylbenzene	105	10.360	10.360	(0.938)	711559	50.0000	46.0
	70 4-Chlorotoluene	91	10.430	10.430	(0.944)	673447	50.0000	48.2
M	71 TOTAL XYLENE	106				1184448	150.000	142
	72 tert-butylbenzene	91	10.659	10.659	(0.965)	432755	50.0000	46.4
	73 1,2,4-Trimethylbenzene	105	10.695	10.695	(0.968)	685477	50.0000	45.2
	74 sec-Butylbenzene	105	10.848	10.848	(0.982)	1006506	50.0000	47.1
	75 p-Isopropyltoluene	119	10.948	10.948	(0.991)	750634	50.0000	47.5
	76 1,3-Dichlorobenzene	146	11.001	11.001	(0.996)	358702	50.0000	46.2
*	77 1,4-DICHLOROBENZENE-D4	152	11.048	11.048	(1.000)	207016	50.0000	
	78 1,4-Dichlorobenzene	146	11.072	11.072	(1.002)	370249	50.0000	42.4
	79 n-Butylbenzene	91	11.324	11.324	(1.025)	660484	50.0000	47.3
	80 1,2-Dichlorobenzene	146	11.430	11.430	(1.035)	337484	50.0000	47.5
	81 1,2-Dibromo-3-Chloropropane	157	12.162	12.162	(1.101)	33333	50.0000	49.0
	82 1,2,4-Trichlorobenzene	180	13.046	13.046	(1.181)	194800	50.0000	51.7
	83 Hexachlorobutadiene	225	13.199	13.199	(1.195)	109671	50.0000	50.8
	84 Napthalene	128	13.352	13.352	(1.208)	470796	50.0000	48.6
	85 1,2,3-Trichlorobenzene	180	13.610	13.610	(1.232)	172769	50.0000	51.3

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

000140

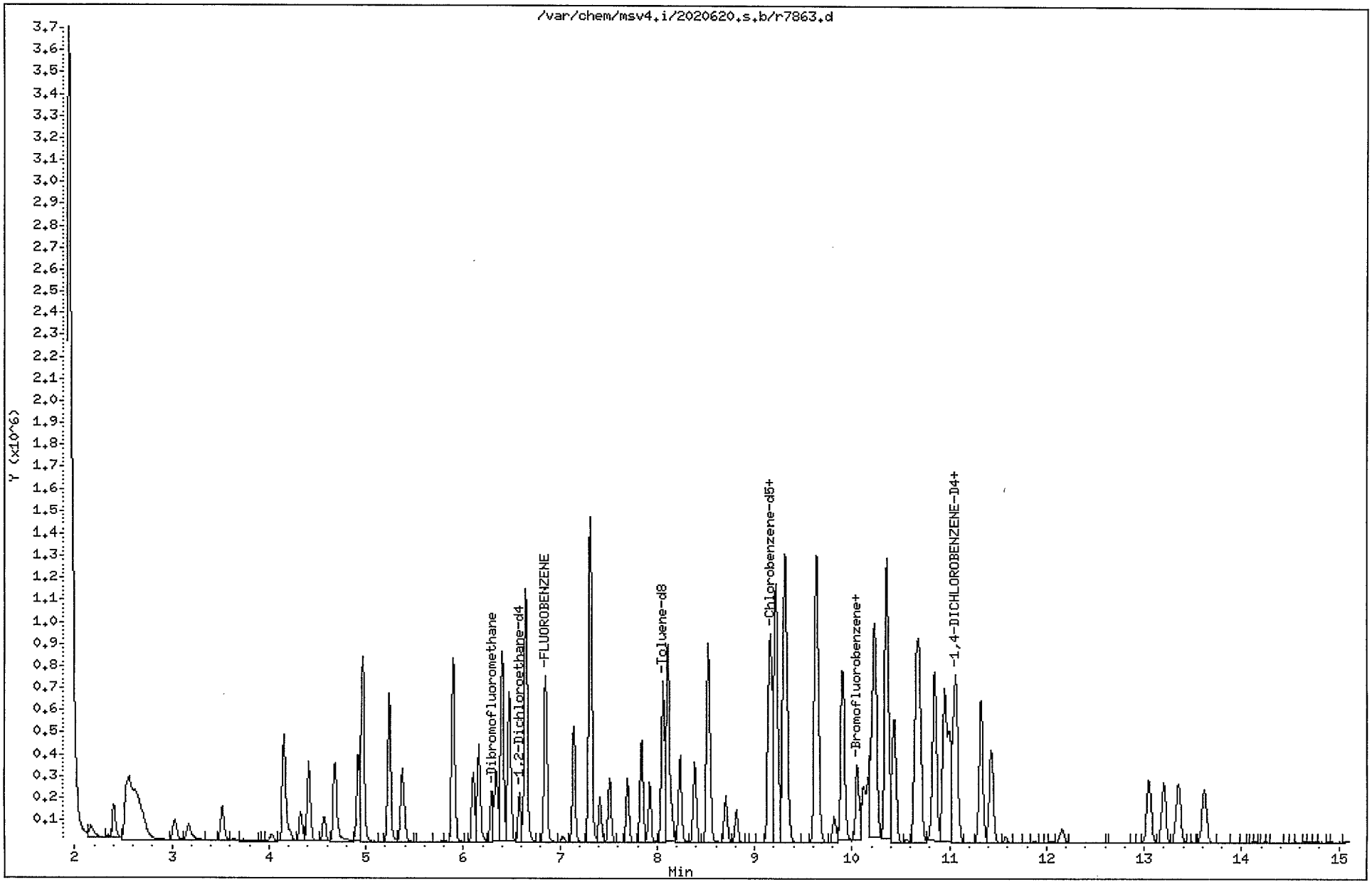
Data File: /var/chem/msv4.i/2020620.s.b/r7863.d
Date : 20-JUN-2002 09:06
Client ID: V4STD050
Sample Info: V4STD050*4-13-6

Instrument: msv4.i

Operator: RJO

Column phase: DB-624-M

Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46325	Method Blank	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 18:38	RSP	145825

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200		ug/L
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/L
75-34-3	1,1-Dichloroethane	ND	5.00		ug/L
75-35-4	1,1-Dichloroethene	ND	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.200		ug/L
106-93-4	1,2-Dibromoethane	ND	0.200		ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/L
107-06-2	1,2-Dichloroethane	ND	3.00		ug/L
78-87-5	1,2-Dichloropropane	ND	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/L
78-93-3	2-Butanone	ND	10.0		ug/L
591-78-6	2-Hexanone	ND	10.0		ug/L
108-10-1	4-Methyl-2-pentanone	ND	10.0		ug/L
67-64-1	Acetone	ND	10.0		ug/L
71-43-2	Benzene	ND	1.00		ug/L
75-27-4	Bromodichloromethane	ND	0.600		ug/L
75-25-2	Bromoform	ND	4.00		ug/L
74-83-9	Bromomethane	ND	5.00		ug/L
75-15-0	Carbon disulfide	ND	5.00		ug/L
56-23-5	Carbon tetrachloride	ND	3.00		ug/L
108-90-7	Chlorobenzene	ND	5.00		ug/L
75-00-3	Chloroethane	ND	5.00		ug/L
67-66-3	Chloroform	ND	5.00		ug/L
74-87-3	Chloromethane	ND	2.70		ug/L
110-82-7	Cyclohexane	ND	100		ug/L
124-48-1	Dibromochloromethane	ND	0.400		ug/L
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/L
10061-01-	cis-1,3-Dichloropropene	ND	5.00		ug/L
10061-02-	trans-1,3-Dichloropropene	ND	5.00		ug/L
100-41-4	Ethylbenzene	ND	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/L
79-20-9	Methyl Acetate	ND	5.00		ug/L
108-87-2	Methylcyclohexane	ND	5.00		ug/L
75-09-2	Methylene chloride	ND	5.00		ug/L
100-42-5	Styrene	ND	5.00		ug/L
127-18-4	Tetrachloroethene	ND	3.00		ug/L
108-88-3	Toluene	ND	5.00		ug/L

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46325	Method Blank	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 18:38	RSP	145825

79-01-6	Trichloroethene	ND	3.00	ug/L
75-69-4	Trichlorofluoromethane	ND	5.00	ug/L
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/L
75-01-4	Vinyl chloride	ND	1.00	ug/L
1330-20-7	Xylene (total)	ND	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/L
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/L

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	46.3 ug/L	93	78 - 115
1868-53-7	Dibromofluoromethane	50	50.8 ug/L	102	70 - 130
2037-26-5	Toluene d8	50	50.8 ug/L	102	83 - 112
17060-07-	1,2-Dichloroethane-d4	50	50.3 ug/L	101	76 - 128

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5644.d
Lab Smp Id: 46325 Client Smp ID: 46325
Inj Date : 20-JUN-2002 18:38
Operator : RSP Inst ID: msv0.i
Smp Info : 46325*MB for HBN 145825
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
$ 26 Dibromofluoromethane	111	5.280	5.283	(0.906)	1577424	50.8178	50.8	2389
$ 31 1,2-Dichloroethane-d4	67	5.558	5.561	(0.953)	880500	50.2671	50.3	
* 35 FLUOROBENZENE	96	5.830	5.833	(1.000)	6112660	50.0000		
$ 43 Toluene-d8	98	7.028	7.024	(0.870)	6300515	50.8231	50.8	
* 52 CHLOROBENZENE-d5	82	8.074	8.070	(1.000)	2733071	50.0000		
$ 61 Bromofluorobenzene	174	8.894	8.897	(0.920)	1534065	46.3438	46.3	
* 75 1,4-DICHLOROBENZENE-D4	152	9.669	9.665	(1.000)	1630745	50.0000		

Gulf Coast Analytical Laboratories, Inc.

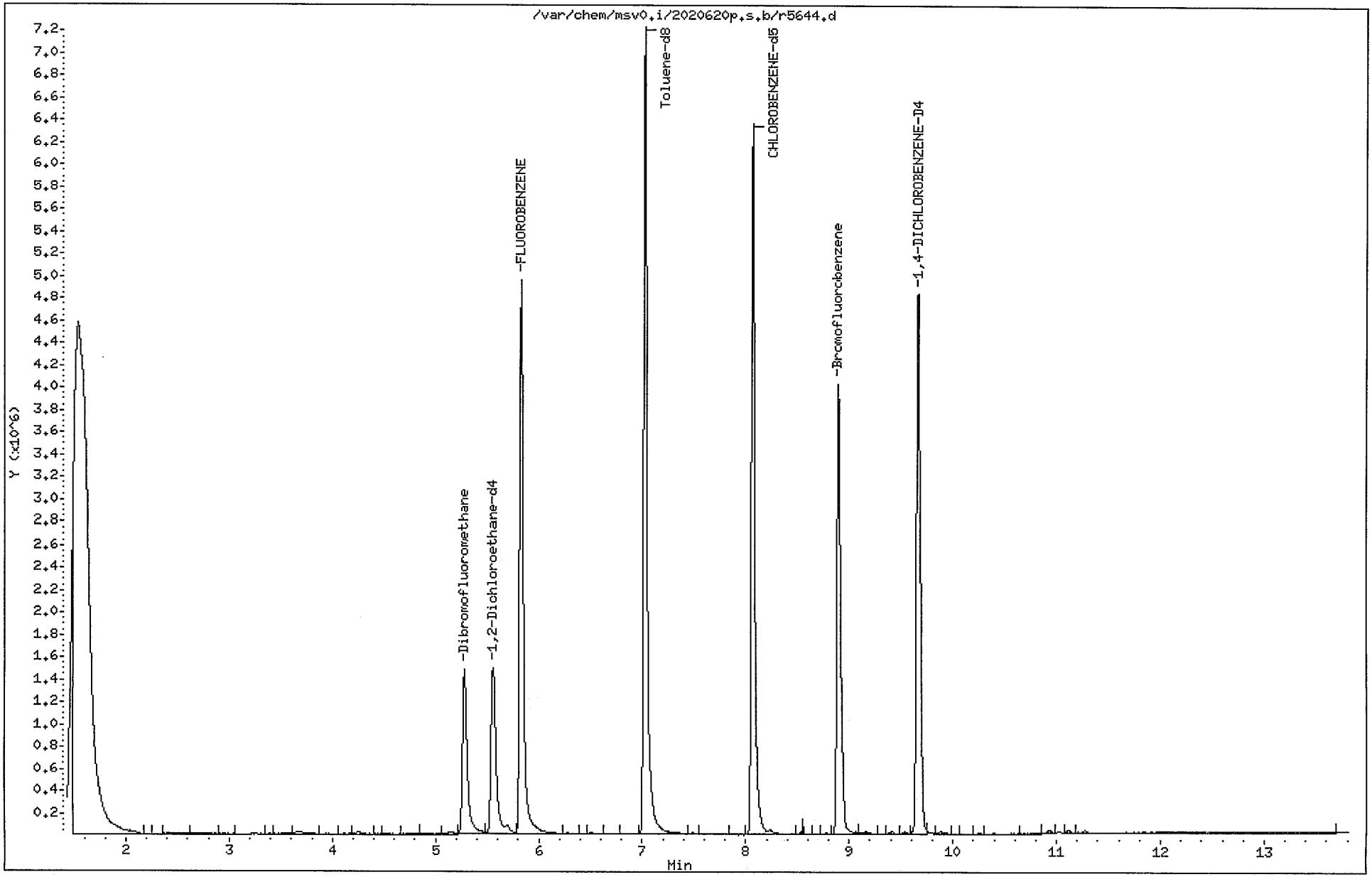
Data file : /var/chem/msv0.i/2020620p.s.b/r5644.d
Lab Smp Id: 46325 Client Smp ID: 46325
Inj Date : 20-JUN-2002 18:38
Operator : RSP Inst ID: msv0.i
Smp Info : 46325*MB for HBN 145825
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 25-Jun-2002 05:22 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: /var/chem/msv0.i/2020620p.s.b/r5644.d
Date : 20-JUN-2002 18:38
Client ID: 46325
Sample Info: 46325*MB for HBN 145825
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RSP
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46406	Method Blank	Solid	06/21/2002 13:21

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 11:06	RJO	145848

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	ND	5.00		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.00		ug/Kg
79-00-5	1,1,2-Trichloroethane	ND	5.00		ug/Kg
75-34-3	1,1-Dichloroethane	ND	5.00		ug/Kg
75-35-4	1,1-Dichloroethene	ND	5.00		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.00		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.00		ug/Kg
106-93-4	1,2-Dibromoethane	ND	5.00		ug/Kg
95-50-1	1,2-Dichlorobenzene	ND	5.00		ug/Kg
107-06-2	1,2-Dichloroethane	ND	5.00		ug/Kg
78-87-5	1,2-Dichloropropane	ND	5.00		ug/Kg
541-73-1	1,3-Dichlorobenzene	ND	5.00		ug/Kg
106-46-7	1,4-Dichlorobenzene	ND	5.00		ug/Kg
78-93-3	2-Butanone	ND	25.0		ug/Kg
591-78-6	2-Hexanone	ND	5.00		ug/Kg
108-10-1	4-Methyl-2-pentanone	ND	5.00		ug/Kg
67-64-1	Acetone	ND	25.0		ug/Kg
71-43-2	Benzene	ND	5.00		ug/Kg
75-27-4	Bromodichloromethane	ND	5.00		ug/Kg
75-25-2	Bromoform	ND	5.00		ug/Kg
74-83-9	Bromomethane	ND	5.00		ug/Kg
75-15-0	Carbon disulfide	ND	5.00		ug/Kg
56-23-5	Carbon tetrachloride	ND	5.00		ug/Kg
108-90-7	Chlorobenzene	ND	5.00		ug/Kg
75-00-3	Chloroethane	ND	5.00		ug/Kg
67-66-3	Chloroform	ND	5.00		ug/Kg
74-87-3	Chloromethane	ND	5.00		ug/Kg
110-82-7	Cyclohexane	ND	5.00		ug/Kg
124-48-1	Dibromochloromethane	ND	5.00		ug/Kg
75-71-8	Dichlorodifluoromethane	ND	5.00		ug/Kg
10061-01-	cis-1,3-Dichloropropene	ND	5.00		ug/Kg
10061-02-	trans-1,3-Dichloropropene	ND	5.00		ug/Kg
100-41-4	Ethylbenzene	ND	5.00		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	ND	5.00		ug/Kg
79-20-9	Methyl Acetate	ND	5000		ug/Kg
108-87-2	Methylcyclohexane	ND	5000		ug/Kg
75-09-2	Methylene chloride	ND	10.0		ug/Kg
100-42-5	Styrene	ND	5.00		ug/Kg
127-18-4	Tetrachloroethene	ND	5.00		ug/Kg
108-88-3	Toluene	ND	5.00		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46406	Method Blank	Solid	06/21/2002 13:21

SW-846 8260B

	PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
				1	06/20/2002 11:06	RJO	145848

79-01-6	Trichloroethene	ND	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	ND	5.00	ug/Kg
76-13-1	Trichlorotrifluoroethane	ND	5.00	ug/Kg
75-01-4	Vinyl chloride	ND	2.00	ug/Kg
1330-20-7	Xylene (total)	ND	10.0	ug/Kg
156-59-2	cis-1,2-Dichloroethene	ND	5.00	ug/Kg
1634-04-4	tert-Butyl methyl ether (MTBE)	ND	5.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	ND	5.00	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	4-Bromofluorobenzene	50	49.9 ug/Kg	100	73 - 138
1868-53-7	Dibromofluoromethane	50	49.3 ug/Kg	99	70 - 130
2037-26-5	Toluene d8	50	50.7 ug/Kg	101	65 - 128
17060-07-	1,2-Dichloroethane-d4	50	50.5 ug/Kg	101	60 - 140

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7866.d
Lab Smp Id: 46406 Client Smp ID: 46406
Inj Date : 20-JUN-2002 11:06
Operator : RJO Inst ID: msv4.i
Smp Info : 46406*MB FOR HBN 145848[MSV/2086]
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
$ 27 Dibromofluoromethane	111	6.297	6.290	(0.919)	139333	49.3300	49.3
$ 32 1,2-Dichloroethane-d4	67	6.578	6.578	(0.960)	72883	50.4954	50.5
* 35 FLUOROBENZENE	96	6.853	6.848	(1.000)	680858	50.0000	
$ 44 Toluene-d8	98	8.059	8.057	(0.881)	576641	50.6733	50.7
* 53 Chlorobenzene-d5	82	9.149	9.148	(1.000)	223704	50.0000	
$ 62 Bromofluorobenzene	174	10.062	10.053	(1.100)	127765	49.8976	49.9
* 77 1,4-DICHLOROBENZENE-D4	152	11.052	11.048	(1.000)	147928	50.0000	

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7866.d
Lab Smp Id: 46406 Client Smp ID: 46406
Inj Date : 20-JUN-2002 11:06
Operator : RJO Inst ID: msv4.i
Smp Info : 46406*MB FOR HBN 145848[MSV/2086]
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

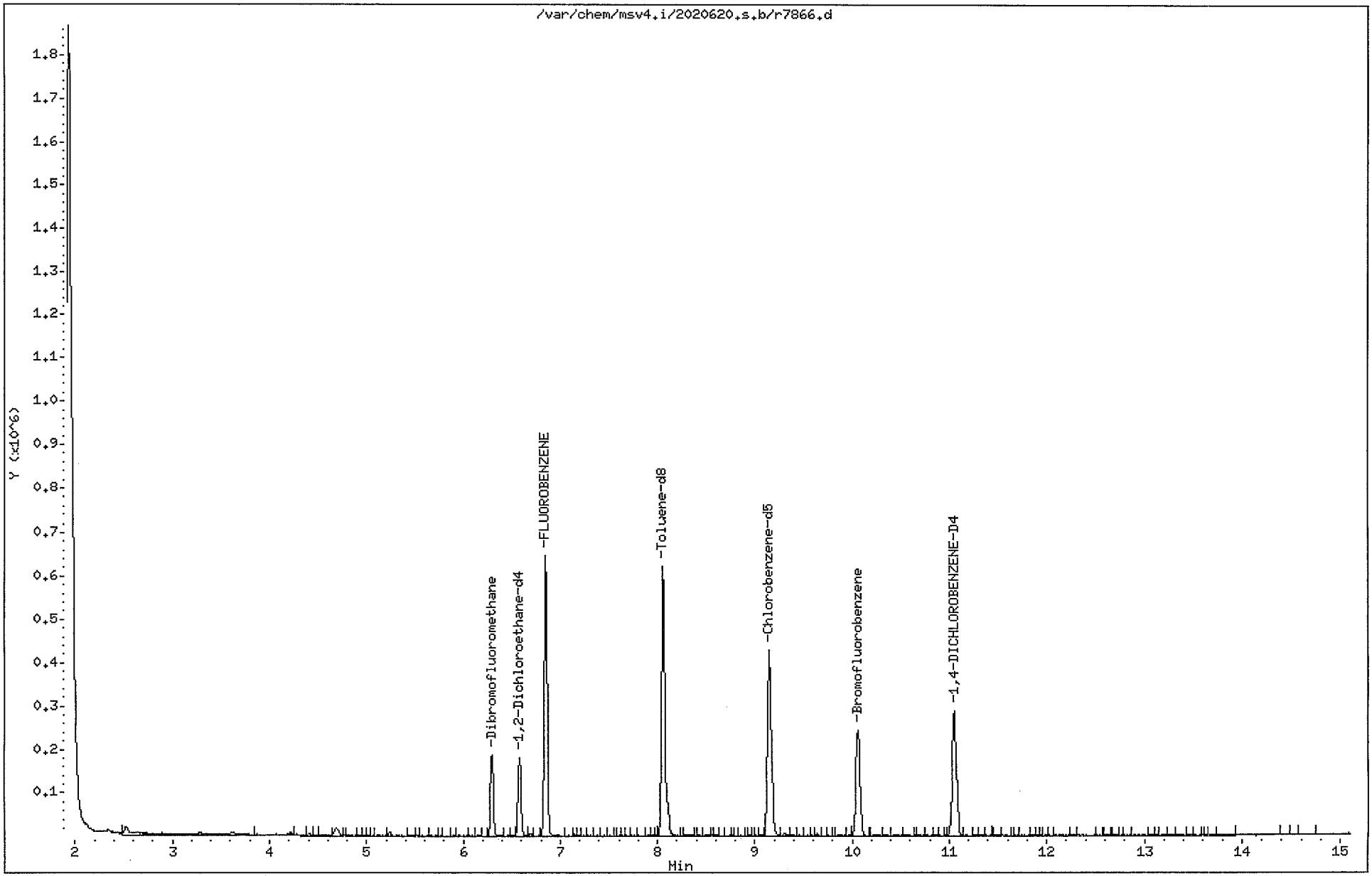
000150

Data File: /var/chem/msv4.i/2020620.s.b/r7866.d
Date : 20-JUN-2002 11:06
Client ID: 46406
Sample Info: 46406*MB FOR HBN 145848[MSV/2086]

Column phase: DB-624-M

Instrument: msv4.i

Operator: RJO
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46326	Lab Control Sample	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 17:14	RSP	145825

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	46.6	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	47.3	0.200		ug/L
79-00-5	1,1,2-Trichloroethane	48.3	5.00		ug/L
75-34-3	1,1-Dichloroethane	48.5	5.00		ug/L
75-35-4	1,1-Dichloroethene	49.5	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	49.9	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	50.4	0.200		ug/L
106-93-4	1,2-Dibromoethane	47.2	0.200		ug/L
95-50-1	1,2-Dichlorobenzene	48.8	5.00		ug/L
107-06-2	1,2-Dichloroethane	46.3	3.00		ug/L
78-87-5	1,2-Dichloropropane	49.4	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	46.7	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	50.0	5.00		ug/L
78-93-3	2-Butanone	54.0	10.0		ug/L
591-78-6	2-Hexanone	53.7	10.0		ug/L
108-10-1	4-Methyl-2-pentanone	54.2	10.0		ug/L
67-64-1	Acetone	49.6	10.0		ug/L
71-43-2	Benzene	48.5	1.00		ug/L
75-27-4	Bromodichloromethane	47.1	0.600		ug/L
75-25-2	Bromoform	48.9	4.00		ug/L
74-83-9	Bromomethane	41.5	5.00		ug/L
75-15-0	Carbon disulfide	47.3	5.00		ug/L
56-23-5	Carbon tetrachloride	45.3	3.00		ug/L
108-90-7	Chlorobenzene	48.2	5.00		ug/L
75-00-3	Chloroethane	52.1	5.00		ug/L
67-66-3	Chloroform	45.8	5.00		ug/L
74-87-3	Chloromethane	48.7	2.70		ug/L
110-82-7	Cyclohexane	49.6J	100		ug/L
124-48-1	Dibromochloromethane	46.6	0.400		ug/L
75-71-8	Dichlorodifluoromethane	47.9	5.00		ug/L
10061-01-	cis-1,3-Dichloropropene	48.3	5.00		ug/L
10061-02-	trans-1,3-Dichloropropene	48.3	5.00		ug/L
100-41-4	Ethylbenzene	48.0	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	50.7	5.00		ug/L
79-20-9	Methyl Acetate	48.0	5.00		ug/L
108-87-2	Methylcyclohexane	50.9	5.00		ug/L
75-09-2	Methylene chloride	44.0	5.00		ug/L
100-42-5	Styrene	49.3	5.00		ug/L
127-18-4	Tetrachloroethene	47.6	3.00		ug/L
108-88-3	Toluene	48.5	5.00		ug/L

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46326	Lab Control Sample	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 17:14	RSP	145825

79-01-6	**Trichloroethene**	**51.4**	**3.00**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**46.6**	**5.00**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**48.8**	**5.00**	**ug/L**
75-01-4	**Vinyl chloride**	**52.6**	**1.00**	**ug/L**
1330-20-7	**Xylene (total)**	**145**	**5.00**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**48.3**	**5.00**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**50.4**	**5.00**	**ug/L**
156-60-5	**trans-1,2-Dichloroethene**	**48.2**	**5.00**	**ug/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	**4-Bromofluorobenzene**	50	49.3 ug/L	99	78 - 115
1868-53-7	**Dibromofluoromethane**	50	47.5 ug/L	95	70 - 130
2037-26-5	**Toluene d8**	50	49.1 ug/L	98	83 - 112
17060-07-	**1,2-Dichloroethane-d4**	50	48.7 ug/L	97	76 - 128

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5641.d
Lab Smp Id: 46326 Client Smp ID: 46326
Inj Date : 20-JUN-2002 17:14
Operator : RSP Inst ID: msv0.i
Smp Info : 46326*LCS for HBN 145825
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.669	1.669	(0.286)	705546	47.8636	47.9	
2 Chloromethane ++	50	1.828	1.841	(0.314)	1245899	48.7040	48.7	
3 Vinyl Chloride +	62	1.940	1.941	(0.333)	1130447	52.6003	52.6	
5 Bromomethane	94	2.225	2.239	(0.382)	283935	41.4776	41.5	
6 Chloroethane	64	2.337	2.344	(0.401)	352347	52.1119	52.1	
7 Trichlorofluoromethane	101	2.596	2.609	(0.446)	1434578	46.6447	46.6	
8 Acrolein	56	3.032	3.039	(0.521)	278788	261.601	262	(A)
9 1,1-Dichloroethene +	96	3.165	3.165	(0.543)	805459	49.5082	49.5	
10 1,1,2Trichlorotrifluoroethane	101	3.198	3.198	(0.549)	914252	48.7886	48.8	
11 Acetone	43	3.218	3.245	(0.552)	397595	49.5970	49.6	
12 Methyl Iodide	142	3.324	3.317	(0.571)	1923001	49.8209	49.8	
13 Carbon Disulfide	76	3.383	3.390	(0.581)	2957579	47.2611	47.3	
14 Methylene Chloride	49	3.668	3.668	(0.630)	1386659	44.0198	44.0	
15 Acrylonitrile	53	3.900	3.913	(0.669)	2394959	283.731	284	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.959	3.959	(0.680)	1456734	48.2364	48.2	
	17 MTBE	73	3.972	3.986	(0.682)	3717627	50.4363	50.4	5600
	19 1,1-Dichloroethane ++	63	4.363	4.363	(0.749)	2056498	48.4562	48.5	
	20 Vinyl Acetate	43	4.237	4.244	(0.727)	979331	49.0898	49.1	
	21 cis-1,2-Dichloroethene	61	4.879	4.879	(0.838)	2014073	48.2731	48.3	
	22 2,2-Dichloropropane	77	4.892	4.893	(0.840)	1712775	46.0955	46.1	
	23 2-Butanone	43	4.886	4.899	(0.839)	699161	53.9776	54.0	
	24 Bromochloromethane	128	5.078	5.078	(0.872)	797982	49.2080	49.2	
	25 Chloroform +	83	5.151	5.151	(0.884)	2285285	45.8389	45.8	
$	26 Dibromofluoromethane	111	5.283	5.283	(0.907)	1438644	47.5279	47.5	6329
	27 1,1,1-Trichloroethane	97	5.323	5.323	(0.914)	1862911	46.5572	46.6	
	29 1,1-Dichloropropene	75	5.448	5.455	(0.935)	1612666	48.4055	48.4	
	30 Carbon Tetrachloride	117	5.468	5.469	(0.939)	1634410	45.3257	45.3	
$	31 1,2-Dichloroethane-d4	67	5.554	5.561	(0.953)	831033	48.6519	48.7	
	32 1,2-Dichloroethane	62	5.614	5.621	(0.964)	1963610	46.2773	46.3	
	33 Benzene	78	5.607	5.614	(0.962)	5350812	48.4541	48.5	
M	34 Total 1,2-Dichloroethene	61				3470807	96.5094	96.5	
*	35 FLUOROBENZENE	96	5.826	5.833	(1.000)	5960778	50.0000		
	36 Trichloroethene	130	6.117	6.124	(1.050)	1691708	51.3804	51.4	
	37 1,2-Dichloropropane +	63	6.282	6.289	(1.078)	1761486	49.3598	49.4	
	38 Dibromomethane	93	6.375	6.375	(1.094)	1021812	48.8429	48.8	
	39 Bromodichloromethane	83	6.487	6.488	(1.114)	2177729	47.0612	47.1	
	40 2-Chloroethyl vinyl ether	63	6.686	6.693	(1.148)	1369596	55.5303	55.5	
	41 cis-1,3-Dichloropropene	75	6.812	6.819	(1.169)	2856911	48.3096	48.3	
	42 4-methyl-2-pentanone	43	6.911	6.918	(1.186)	2146014	54.1908	54.2	
$	43 Toluene-d8	98	7.024	7.024	(0.870)	6171666	49.1211	49.1	
	44 Toluene +	91	7.070	7.077	(1.214)	6725886	48.4562	48.5	
	45 trans-1,3-Dichloropropene	75	7.209	7.209	(1.237)	2605540	44.0590	44.1	(H)
	46 1,1,2-Trichloroethane	97	7.348	7.348	(1.261)	1545648	48.3459	48.3	
	47 1,3-Dichloropropane	76	7.467	7.474	(1.282)	2849271	49.9787	50.0	
	48 Tetrachloroethene	164	7.480	7.487	(1.284)	1154586	47.5800	47.6	
	49 2-Hexanone	43	7.507	7.514	(0.930)	1515235	53.6626	53.7	
	50 Dibromochloromethane	129	7.646	7.646	(0.948)	1693893	46.6401	46.6	
	51 1,2-Dibromoethane(EDB)	107	7.738	7.739	(0.959)	1672070	47.2138	47.2	
*	52 CHLOROBENZENE-d5	82	8.069	8.070	(1.000)	2769937	50.0000		
	53 Chlorobenzene ++	112	8.089	8.096	(1.002)	4652625	48.2062	48.2	
	54 1,1,1,2-Tetrachloroethane	133	8.136	8.136	(1.008)	1540382	46.6873	46.7	
	55 Ethylbenzene +	106	8.155	8.162	(1.011)	2184554	47.9879	48.0	
	56 p,m-Xylene	106	8.235	8.242	(1.020)	5494181	97.1377	97.1	
	57 o-Xylene	106	8.526	8.526	(1.057)	2516446	48.1889	48.2	
	58 Styrene	104	8.533	8.533	(1.057)	4756737	49.3408	49.3	
	59 Bromoform ++	173	8.672	8.679	(1.075)	1043535	48.9158	48.9	
	60 Isopropylbenzene	105	8.778	8.785	(1.088)	7469709	50.7490	50.7	
$	61 Bromofluorobenzene	174	8.897	8.897	(0.921)	1599147	49.3190	49.3	
	62 1,1,2,2-Tetrachloroethane++	83	8.956	8.957	(0.927)	2283066	47.2588	47.3	
	63 trans-1,4-Dichloro-2-Butene	53	8.989	8.990	(0.930)	618416	55.7555	55.8	
	64 1,2,3-Trichloropropane	75	8.996	8.996	(0.931)	2996316	51.8313	51.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	65 Bromobenzene	77	9.009	9.010	(0.932)	4466015	48.9451	48.9	
	66 n-Propylbenzene	91	9.062	9.063	(0.938)	7353798	51.7986	51.8	
	67 2-Chlorotoluene	91	9.135	9.142	(0.945)	4678342	46.8758	46.9	
	68 1,3,5-Trimethylbenzene	105	9.162	9.162	(0.948)	3619024	56.0346	56.0	(H)
	69 4-Chlorotoluene	91	9.201	9.208	(0.952)	4666633	48.4814	48.5	
	70 tert-butylbenzene	91	9.393	9.393	(0.972)	3291892	49.8296	49.8	(H)
	71 1,2,4-Trimethylbenzene	105	9.420	9.420	(0.975)	3755259	55.4830	55.5	
	72 sec-Butylbenzene	105	9.532	9.539	(0.986)	6847228	52.8999	52.9	
	73 p-Isopropyltoluene	119	9.618	9.618	(0.995)	4497983	53.0142	53.0	
	74 1,3-Dichlorobenzene	146	9.631	9.632	(0.997)	2419122	46.6735	46.7	
*	75 1,4-DICHLOROBENZENE-D4	152	9.665	9.665	(1.000)	1597378	50.0000		
	76 1,4-Dichlorobenzene	146	9.684	9.685	(1.002)	2896138	49.9676	50.0	
	77 1,2-Dichlorobenzene	146	9.929	9.930	(1.027)	2447280	48.7520	48.8	
	78 n-Butylbenzene	91	9.876	9.877	(1.022)	3970581	53.7374	53.7	
M	79 TOTAL XYLENE	106				8010627	145.327	145	
	80 1,2-Dibromo-3-Chloropropane	157	10.399	10.400	(1.076)	419957	50.4152	50.4	
	81 1,2,4-Trichlorobenzene	180	10.935	10.936	(1.131)	1302718	49.9062	49.9	
	82 Hexachlorobutadiene	225	11.035	11.035	(1.142)	873932	49.4979	49.5	
	83 Naphthalene	128	11.107	11.108	(1.149)	4056174	54.3864	54.4	
	84 1,2,3-Trichlorobenzene	180	11.266	11.273	(1.166)	1222787	49.6535	49.7	
	132 Methyl Cyclohexane	83	6.276	6.283	(1.077)	2690259	50.8963	50.9	2456
	131 Methyl Acetate	43	3.972	3.986	(0.682)	737354	48.0462	48.0	5600
	114 Hexane	57	4.237	4.244	(0.727)	1602695	48.1103	48.1	4715(H)
	120 Cyclohexane	56	5.389	5.389	(0.925)	2167459	49.5790	49.6	2074

QC Flag Legend

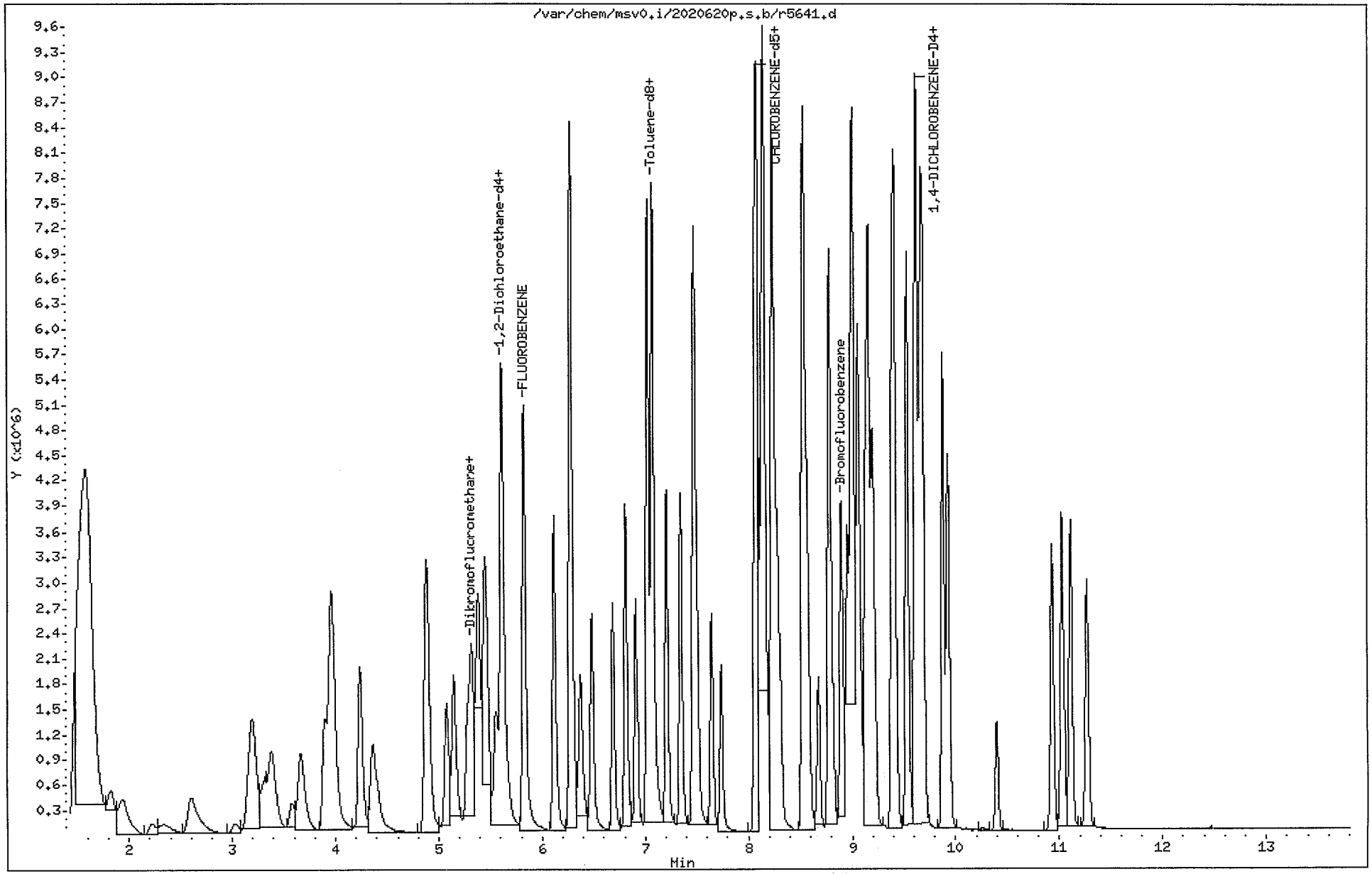
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

000156

Data File: /var/chem/msv0.i/2020620p.s.b/r5641.d
Date : 20-JUN-2002 17:14
Client ID: 46326
Sample Info: 46326*LCS for HBN 145825
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i

Operator: RSP
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46525	Lab Control Sample Duplicate	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 17:37	RSP	145825

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	42.3	5.00		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	49.3	0.200		ug/L
79-00-5	1,1,2-Trichloroethane	46.2	5.00		ug/L
75-34-3	1,1-Dichloroethane	43.5	5.00		ug/L
75-35-4	1,1-Dichloroethene	43.6	5.00		ug/L
120-82-1	1,2,4-Trichlorobenzene	49.8	5.00		ug/L
96-12-8	1,2-Dibromo-3-chloropropane	52.4	0.200		ug/L
106-93-4	1,2-Dibromoethane	47.3	0.200		ug/L
95-50-1	1,2-Dichlorobenzene	48.0	5.00		ug/L
107-06-2	1,2-Dichloroethane	43.7	3.00		ug/L
78-87-5	1,2-Dichloropropane	45.9	5.00		ug/L
541-73-1	1,3-Dichlorobenzene	52.1	5.00		ug/L
106-46-7	1,4-Dichlorobenzene	43.2	5.00		ug/L
78-93-3	2-Butanone	49.8	10.0		ug/L
591-78-6	2-Hexanone	52.9	10.0		ug/L
108-10-1	4-Methyl-2-pentanone	50.0	10.0		ug/L
67-64-1	Acetone	46.6	10.0		ug/L
71-43-2	Benzene	44.2	1.00		ug/L
75-27-4	Bromodichloromethane	43.8	0.600		ug/L
75-25-2	Bromoform	49.8	4.00		ug/L
74-83-9	Bromomethane	39.5	5.00		ug/L
75-15-0	Carbon disulfide	42.1	5.00		ug/L
56-23-5	Carbon tetrachloride	40.8	3.00		ug/L
108-90-7	Chlorobenzene	47.4	5.00		ug/L
75-00-3	Chloroethane	37.6	5.00		ug/L
67-66-3	Chloroform	41.9	5.00		ug/L
74-87-3	Chloromethane	43.0	2.70		ug/L
110-82-7	Cyclohexane	44.5J	100		ug/L
124-48-1	Dibromochloromethane	47.9	0.400		ug/L
75-71-8	Dichlorodifluoromethane	42.4	5.00		ug/L
10061-01-	cis-1,3-Dichloropropene	44.3	5.00		ug/L
10061-02-	trans-1,3-Dichloropropene	44.3	5.00		ug/L
100-41-4	Ethylbenzene	48.7	5.00		ug/L
98-82-8	Isopropylbenzene (Cumene)	48.8	5.00		ug/L
79-20-9	Methyl Acetate	45.5	5.00		ug/L
108-87-2	Methylcyclohexane	45.8	5.00		ug/L
75-09-2	Methylene chloride	40.2	5.00		ug/L
100-42-5	Styrene	47.1	5.00		ug/L
127-18-4	Tetrachloroethene	43.4	3.00		ug/L
108-88-3	Toluene	44.2	5.00		ug/L

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46525	Lab Control Sample Duplicate	Water	06/21/2002 14:20

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 17:37	RSP	145825

79-01-6	**Trichloroethene**	**47.3**	**3.00**	**ug/L**
75-69-4	**Trichlorofluoromethane**	**40.5**	**5.00**	**ug/L**
76-13-1	**Trichlorotrifluoroethane**	**41.8**	**5.00**	**ug/L**
75-01-4	**Vinyl chloride**	**46.1**	**1.00**	**ug/L**
1330-20-7	**Xylene (total)**	**135**	**5.00**	**ug/L**
156-59-2	**cis-1,2-Dichloroethene**	**43.8**	**5.00**	**ug/L**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**48.2**	**5.00**	**ug/L**
156-60-5	**trans-1,2-Dichloroethene**	**43.2**	**5.00**	**ug/L**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	**4-Bromofluorobenzene**	50	51.9 ug/L	104	78 - 115
1868-53-7	**Dibromofluoromethane**	50	44.2 ug/L	88	70 - 130
2037-26-5	**Toluene d8**	50	49.5 ug/L	99	83 - 112
17060-07-	**1,2-Dichloroethane-d4**	50	47.4 ug/L	95	76 - 128

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv0.i/2020620p.s.b/r5642.d
Lab Smp Id: 46525 Client Smp ID: 46525
Inj Date : 20-JUN-2002 17:37
Operator : RSP Inst ID: msv0.i
Smp Info : 46525*LCSD for HBN 145825
Misc Info : MSV~2084~*1*RJO
Comment :
Method : /var/chem/msv0.i/2020620p.s.b/8260Bw0.m
Meth Date : 24-Jun-2002 15:05 dlb Quant Type: ISTD
Cal Date : 09-JUN-2002 10:05 Cal File: r5333.d
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)
DF	1.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1 Dichlorodifluoromethane	85	1.679	1.669	(0.288)	680644	42.4078	42.4	
2 Chloromethane ++	50	1.824	1.841	(0.313)	1199044	43.0490	43.0	
3 Vinyl Chloride +	62	1.943	1.941	(0.333)	1078615	46.0947	46.1	
5 Bromomethane	94	2.241	2.239	(0.385)	294604	39.5257	39.5	
6 Chloroethane	64	2.360	2.344	(0.405)	277068	37.6356	37.6	
7 Trichlorofluoromethane	101	2.618	2.609	(0.449)	1357128	40.5271	40.5	
8 Acrolein	56	3.035	3.039	(0.521)	252797	217.863	218	(A)
9 1,1-Dichloroethene +	96	3.181	3.165	(0.546)	772139	43.5889	43.6	
10 1,1,2Trichlorotrifluoroethane	101	3.221	3.198	(0.553)	852928	41.8034	41.8	
11 Acetone	43	3.234	3.245	(0.555)	407083	46.6384	46.6	
12 Methyl Iodide	142	3.327	3.317	(0.571)	1842789	43.8484	43.8	
13 Carbon Disulfide	76	3.386	3.390	(0.581)	2868078	42.0925	42.1	
14 Methylene Chloride	49	3.671	3.668	(0.630)	1379580	40.2227	40.2	
15 Acrylonitrile	53	3.903	3.913	(0.670)	2352664	255.985	256	(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	16 trans-1,2-Dichloroethene	61	3.962	3.959	(0.680)	1421194	43.2209	43.2	
	17 MTBE	73	3.969	3.986	(0.681)	3866695	48.1796	48.2	5619
	19 1,1-Dichloroethane ++	63	4.372	4.363	(0.750)	2008590	43.4669	43.5	
	20 Vinyl Acetate	43	4.240	4.244	(0.727)	947153	43.6042	43.6	
	21 cis-1,2-Dichloroethene	61	4.882	4.879	(0.838)	1990260	43.8112	43.8	
	22 2,2-Dichloropropane	77	4.902	4.893	(0.841)	1664724	41.1478	41.1	
	23 2-Butanone	43	4.889	4.899	(0.839)	702883	49.8386	49.8	
	24 Bromochloromethane	128	5.081	5.078	(0.872)	804729	45.5762	45.6	
	25 Chloroform +	83	5.160	5.151	(0.885)	2272576	41.8657	41.9	
$	26 Dibromofluoromethane	111	5.286	5.283	(0.907)	1455990	44.1773	44.2	6381
	27 1,1,1-Trichloroethane	97	5.332	5.323	(0.915)	1843145	42.3058	42.3	
	29 1,1-Dichloropropene	75	5.445	5.455	(0.934)	1577126	43.4774	43.5	
	30 Carbon Tetrachloride	117	5.471	5.469	(0.939)	1602105	40.8056	40.8	
$	31 1,2-Dichloroethane-d4	67	5.557	5.561	(0.953)	881064	47.3734	47.4	
	32 1,2-Dichloroethane	62	5.617	5.621	(0.964)	2017398	43.6667	43.7	
	33 Benzene	78	5.610	5.614	(0.963)	5320032	44.2457	44.2	
M	34 Total 1,2-Dichloroethene	61				3411454	87.0321	87.0	
*	35 FLUOROBENZENE	96	5.829	5.833	(1.000)	6490182	50.0000		
	36 Trichloroethene	130	6.120	6.124	(1.050)	1695559	47.2967	47.3	
	37 1,2-Dichloropropane +	63	6.279	6.289	(1.077)	1782208	45.8669	45.9	
	38 Dibromomethane	93	6.378	6.375	(1.094)	1034195	45.4024	45.4	
	39 Bromodichloromethane	83	6.484	6.488	(1.112)	2206911	43.8016	43.8	
	40 2-Chloroethyl vinyl ether	63	6.689	6.693	(1.148)	1398156	52.0642	52.1	
	41 cis-1,3-Dichloropropene	75	6.815	6.819	(1.169)	2855073	44.3405	44.3	
	42 4-methyl-2-pentanone	43	6.914	6.918	(1.186)	2155296	49.9858	50.0	
$	43 Toluene-d8	98	7.027	7.024	(0.871)	6315358	49.5374	49.5	
	44 Toluene +	91	7.073	7.077	(1.213)	6673015	44.1538	44.2	
	45 trans-1,3-Dichloropropene	75	7.205	7.209	(1.236)	2634975	40.9223	40.9	(H)
	46 1,1,2-Trichloroethane	97	7.344	7.348	(1.260)	1609233	46.2289	46.2	
	47 1,3-Dichloropropane	76	7.470	7.474	(1.282)	2937417	47.3220	47.3	
	48 Tetrachloroethene	164	7.483	7.487	(1.284)	1147608	43.4348	43.4	
	49 2-Hexanone	43	7.510	7.514	(0.931)	1515884	52.9087	52.9	
	50 Dibromochloromethane	129	7.642	7.646	(0.947)	1765147	47.8987	47.9	
	51 1,2-Dibromoethane(EDB)	107	7.735	7.739	(0.959)	1698135	47.2559	47.3	
*	52 CHLOROBENZENE-d5	82	8.066	8.070	(1.000)	2810612	50.0000		
	53 Chlorobenzene ++	112	8.092	8.096	(1.003)	4638894	47.3684	47.4	
	54 1,1,1,2-Tetrachloroethane	133	8.139	8.136	(1.009)	1569967	46.8954	46.9	
	55 Ethylbenzene +	106	8.158	8.162	(1.011)	2251825	48.7497	48.7	
	56 p,m-Xylene	106	8.238	8.242	(1.021)	5144189	89.6336	89.6	
	57 o-Xylene	106	8.522	8.526	(1.057)	2400148	45.2967	45.3	
	58 Styrene	104	8.529	8.533	(1.057)	4604667	47.0721	47.1	
	59 Bromoform ++	173	8.675	8.679	(1.075)	1078795	49.8368	49.8	
	60 Isopropylbenzene	105	8.774	8.785	(1.088)	7282229	48.7592	48.8	
$	61 Bromofluorobenzene	174	8.893	8.897	(0.920)	1619398	51.8596	51.9	
	62 1,1,2,2-Tetrachloroethane++	83	8.959	8.957	(0.927)	2291948	49.2627	49.3	
	63 trans-1,4-Dichloro-2-Butene	53	8.986	8.990	(0.929)	612049	57.2984	57.3	
	64 1,2,3-Trichloropropane	75	8.992	8.996	(0.930)	3012339	54.1075	54.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	65 Bromobenzene	77	9.006	9.010	(0.932)	4458333	50.7354	50.7	
	66 n-Propylbenzene	91	9.059	9.063	(0.937)	6838777	50.0189	50.0	
	67 2-Chlorotoluene	91	9.138	9.142	(0.945)	4345793	45.2142	45.2	
	68 1,3,5-Trimethylbenzene	105	8.774	9.162	(0.908)	7282229	117.079	117	(R)
	69 4-Chlorotoluene	91	9.204	9.208	(0.952)	4503245	48.5787	48.6	
	70 tert-butylbenzene	91	9.138	9.393	(0.945)	4345793	68.3062	68.3	(R)
	71 1,2,4-Trimethylbenzene	105	9.416	9.420	(0.974)	3304660	50.6986	50.7	
	72 sec-Butylbenzene	105	9.535	9.539	(0.986)	6211551	49.8298	49.8	
	73 p-Isopropyltoluene	119	9.615	9.618	(0.995)	3964176	48.5151	48.5	
	74 1,3-Dichlorobenzene	146	9.628	9.632	(0.996)	2602070	52.1292	52.1	
*	75 1,4-DICHLOROBENZENE-D4	152	9.668	9.665	(1.000)	1538361	50.0000		
	76 1,4-Dichlorobenzene	146	9.681	9.685	(1.001)	2409107	43.1593	43.2	
	77 1,2-Dichlorobenzene	146	9.926	9.930	(1.027)	2320098	47.9915	48.0	
	78 n-Butylbenzene	91	9.873	9.877	(1.021)	3440926	48.3556	48.4	
M	79 TOTAL XYLENE	106				7544337	134.930	135	
	80 1,2-Dibromo-3-Chloropropane	157	10.396	10.400	(1.075)	420162	52.3748	52.4	
	81 1,2,4-Trichlorobenzene	180	10.932	10.936	(1.131)	1252877	49.8381	49.8	
	82 Hexachlorobutadiene	225	11.031	11.035	(1.141)	803199	47.2370	47.2	
	83 Naphthalene	128	11.104	11.108	(1.149)	3878897	54.0047	54.0	
	84 1,2,3-Trichlorobenzene	180	11.263	11.273	(1.165)	1190555	50.1994	50.2	
	132 Methyl Cyclohexane	83	6.279	6.283	(1.077)	2637320	45.8249	45.8	2475
	131 Methyl Acetate	43	3.969	3.986	(0.681)	761024	45.5436	45.5	5619
	114 Hexane	57	4.240	4.244	(0.727)	1553987	42.8431	42.8	5055 (H)
	120 Cyclohexane	56	5.398	5.389	(0.926)	2116823	44.4711	44.5	2397

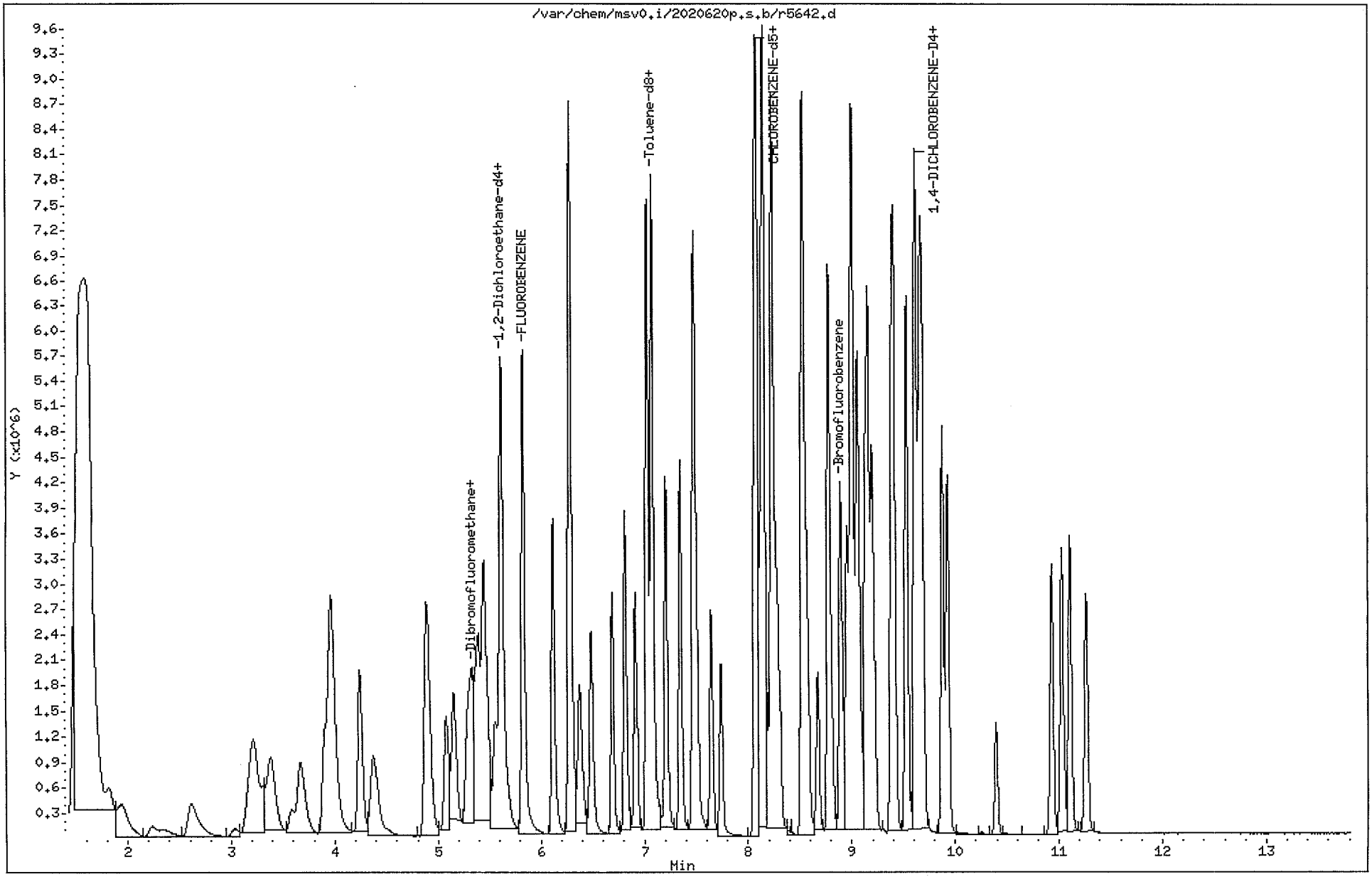
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

000162

Data File: /var/chem/msv0.i/2020620p.s.b/r5642.d
Date : 20-JUN-2002 17:37
Client ID: 46525
Sample Info: 46525*LCSD for HBN 145825
Purge Volume: 5.0
Column phase: DB-624-30M

Instrument: msv0.i
Operator: RSP
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46407	Lab Control Sample	Solid	06/21/2002 13:21

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:04	RJO	145848

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	50.9	5.00		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	48.5	5.00		ug/Kg
79-00-5	1,1,2-Trichloroethane	51.0	5.00		ug/Kg
75-34-3	1,1-Dichloroethane	50.6	5.00		ug/Kg
75-35-4	1,1-Dichloroethene	50.2	5.00		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	52.0	5.00		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	54.6	5.00		ug/Kg
106-93-4	1,2-Dibromoethane	52.2	5.00		ug/Kg
95-50-1	1,2-Dichlorobenzene	48.6	5.00		ug/Kg
107-06-2	1,2-Dichloroethane	53.7	5.00		ug/Kg
78-87-5	1,2-Dichloropropane	51.7	5.00		ug/Kg
541-73-1	1,3-Dichlorobenzene	49.3	5.00		ug/Kg
106-46-7	1,4-Dichlorobenzene	46.1	5.00		ug/Kg
78-93-3	2-Butanone	49.1	25.0		ug/Kg
591-78-6	2-Hexanone	49.2	5.00		ug/Kg
108-10-1	4-Methyl-2-pentanone	50.9	5.00		ug/Kg
67-64-1	Acetone	44.1	25.0		ug/Kg
71-43-2	Benzene	50.5	5.00		ug/Kg
75-27-4	Bromodichloromethane	52.1	5.00		ug/Kg
75-25-2	Bromoform	52.2	5.00		ug/Kg
74-83-9	Bromomethane	51.5	5.00		ug/Kg
75-15-0	Carbon disulfide	44.7	5.00		ug/Kg
56-23-5	Carbon tetrachloride	51.6	5.00		ug/Kg
108-90-7	Chlorobenzene	48.7	5.00		ug/Kg
75-00-3	Chloroethane	51.2	5.00		ug/Kg
67-66-3	Chloroform	50.9	5.00		ug/Kg
74-87-3	Chloromethane	48.1	5.00		ug/Kg
110-82-7	Cyclohexane	52.5	5.00		ug/Kg
124-48-1	Dibromochloromethane	52.3	5.00		ug/Kg
75-71-8	Dichlorodifluoromethane	46.6	5.00		ug/Kg
10061-01-	cis-1,3-Dichloropropene	52.4	5.00		ug/Kg
10061-02-	trans-1,3-Dichloropropene	52.0	5.00		ug/Kg
100-41-4	Ethylbenzene	50.2	5.00		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	50.0	5.00		ug/Kg
79-20-9	Methyl Acetate	50.3J	5000		ug/Kg
108-87-2	Methylcyclohexane	51.5J	5000		ug/Kg
75-09-2	Methylene chloride	44.5	10.0		ug/Kg
100-42-5	Styrene	49.3	5.00		ug/Kg
127-18-4	Tetrachloroethene	48.9	5.00		ug/Kg
108-88-3	Toluene	48.8	5.00		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46407	Lab Control Sample	Solid	06/21/2002 13:21

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:04	RJO	145848

79-01-6	**Trichloroethene**	**50.6**	**5.00**	**ug/Kg**
75-69-4	**Trichlorofluoromethane**	**52.1**	**5.00**	**ug/Kg**
76-13-1	**Trichlorotrifluoroethane**	**53.3**	**5.00**	**ug/Kg**
75-01-4	**Vinyl chloride**	**48.9**	**2.00**	**ug/Kg**
1330-20-7	**Xylene (total)**	**148**	**10.0**	**ug/Kg**
156-59-2	**cis-1,2-Dichloroethene**	**51.2**	**5.00**	**ug/Kg**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**53.0**	**5.00**	**ug/Kg**
156-60-5	**trans-1,2-Dichloroethene**	**49.3**	**5.00**	**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	**4-Bromofluorobenzene**	50	50.8 ug/Kg	102	73 - 138
1868-53-7	**Dibromofluoromethane**	50	51.4 ug/Kg	103	70 - 130
2037-26-5	**Toluene d8**	50	48.2 ug/Kg	96	65 - 128
17060-07-	**1,2-Dichloroethane-d4**	50	51.2 ug/Kg	102	60 - 140

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7864.d
Lab Smp Id: 46407 Client Smp ID: 46407
Inj Date : 20-JUN-2002 10:04
Operator : RJO Inst ID: msv4.i
Smp Info : 46407*LCS for HBN 145848[MSV/2086]
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	2.169	2.169	(0.317)	96676	46.6385	46.6
2 Chloromethane ++	50	2.404	2.404	(0.351)	251239	48.0617	48.1
3 Vinyl Chloride +	62	2.568	2.562	(0.375)	224049	48.9102	48.9
4 Bromomethane	94	3.030	3.025	(0.442)	118213	51.4960	51.5
5 Chloroethane	64	3.171	3.172	(0.463)	140263	51.1916	51.2
6 Trichlorofluoromethane	101	3.523	3.518	(0.514)	178653	52.0724	52.1
7 1,1-Dichloroethene +	96	4.155	4.156	(0.606)	139228	50.2302	50.2
8 1,1,2Trichlotrifluoroethane	101	4.155	4.156	(0.606)	143525	53.3472	53.3
9 Acetone	43	4.214	4.209	(0.615)	69705	44.0562	44.0
10 Methyl Iodide	142	4.331	4.326	(0.632)	222684	49.0259	49.0
11 Carbon Disulfide	76	4.413	4.408	(0.644)	622843	44.6630	44.7
12 Methyl Acetate	43	4.571	4.566	(0.667)	192365	50.3426	50.3(M)
13 Methylene Chloride	49	4.683	4.684	(0.683)	331524	44.5201	44.5
14 Acrylonitrile	53	4.923	4.924	(0.718)	438775	270.857	271(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
	15 MTBE	73	4.970	4.965	(0.725)	515124	52.9725	53.0
	16 trans-1,2-Dichloroethene	61	4.970	4.965	(0.725)	306434	49.3361	49.3
	17 Hexane	57	5.240	5.241	(0.765)	381900	49.6606	49.7(M)
	18 Acrolein	56	5.240	5.241	(0.765)	206477	253.874	254(A)
	19 Vinyl Acetate	43	5.240	5.235	(0.765)	274456	50.2126	50.2
	20 1,1-Dichloroethane ++	63	5.375	5.376	(0.784)	401387	50.5723	50.6
	21 2-Butanone	43	5.896	5.891	(0.860)	132080	49.1300	49.1
	22 cis-1,2-Dichloroethene	61	5.896	5.897	(0.860)	364624	51.2004	51.2
	23 2,2-Dichloropropane	77	5.902	5.903	(0.861)	243963	50.1737	50.2
M	24 Total 1,2-Dichloroethene	61				671058	100.537	100
	25 Bromochloromethane	128	6.107	6.108	(0.891)	97632	52.2572	52.2
	26 Chloroform +	83	6.160	6.161	(0.899)	325119	50.8978	50.9
$	27 Dibromofluoromethane	111	6.295	6.290	(0.919)	174060	51.4375	51.4
	28 1,1,1-Trichloroethane	97	6.336	6.337	(0.925)	230051	50.9222	50.9
	29 Cyclohexane	56	6.401	6.402	(0.934)	520487	52.5449	52.5(M)
	30 1,1-Dichloropropene	75	6.471	6.467	(0.944)	277926	48.7134	48.7
	31 Carbon Tetrachloride	117	6.483	6.484	(0.946)	192285	51.5671	51.6
$	32 1,2-Dichloroethane-d4	67	6.583	6.578	(0.961)	88579	51.2248	51.2
	33 1,2-Dichloroethane	62	6.642	6.643	(0.969)	211427	53.6644	53.7
	34 Benzene	78	6.642	6.643	(0.969)	962098	50.5079	50.5
*	35 FLUOROBENZENE	96	6.853	6.848	(1.000)	815704	50.0000	
	36 Trichloroethene	130	7.140	7.142	(1.042)	221743	50.6265	50.6
	37 Methyl cyclohexane	83	7.311	7.312	(1.067)	411825	51.5467	51.5(M)
	38 1,2-Dichloropropane +	63	7.316	7.318	(1.068)	267111	51.7006	51.7
	39 Dibromomethane	93	7.411	7.412	(1.081)	107491	53.1374	53.1
	40 Bromodichloromethane	83	7.510	7.511	(1.096)	243606	52.1295	52.1
	41 2-Chloroethyl vinyl ether	63	7.692	7.693	(1.122)	157052	55.8171	55.8
	42 cis-1,3-Dichloropropene	75	7.839	7.840	(1.144)	354692	52.3752	52.4
	43 4-methyl-2-pentanone	43	8.526	8.521	(1.244)	200547	38.1048	38.1
$	44 Toluene-d8	98	8.056	8.057	(0.881)	686731	48.1885	48.2
	45 Toluene +	91	8.109	8.110	(0.886)	904042	48.7706	48.8
	46 trans-1,3-Dichloropropene	75	8.232	8.233	(0.900)	285923	51.9863	52.0
	47 1,1,2-Trichloroethane	97	8.385	8.386	(0.917)	167453	50.9956	51.0
	48 1,3-Dichloropropane	76	8.514	8.515	(0.931)	321247	50.9874	51.0
	49 2-Hexanone	43	8.526	8.521	(0.932)	200446	49.2042	49.2
	50 Tetrachloroethene	164	8.532	8.533	(0.933)	152106	48.8857	48.9
	51 Dibromochloromethane	129	8.702	8.703	(0.951)	162193	52.3468	52.3
	52 1,2-Dibromoethane(EDB)	107	8.813	8.808	(0.963)	157957	52.2270	52.2
*	53 Chlorobenzene-d5	82	9.147	9.148	(1.000)	280150	50.0000	
	54 Chlorobenzene ++	112	9.171	9.172	(1.003)	583044	48.6848	48.7
	55 1,1,1,2-Tetrachloroethane	133	9.212	9.213	(1.007)	165397	51.0218	51.0
	56 Ethylbenzene +	106	9.224	9.225	(1.008)	334758	50.2369	50.2
	57 p,m-Xylene	106	9.312	9.308	(1.018)	825348	98.3567	98.4
	58 o-Xylene	106	9.629	9.636	(1.053)	383270	49.6572	49.6
	59 Styrene	104	9.635	9.636	(1.053)	632742	49.3313	49.3
	60 Bromoform ++	173	9.817	9.812	(1.073)	91993	52.2103	52.2
	61 Isopropylbenzene	105	9.905	9.906	(1.083)	938747	49.9593	50.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
$	62 Bromofluorobenzene	174	10.052	10.053	(1.099)	162838	50.7816	50.8
	63 1,1,2,2-Tetrachloroethane++	83	10.111	10.118	(0.915)	240951	48.4671	48.5
	64 trans-1,4-Dichloro-2-Butene	53	10.152	10.147	(0.919)	54769	51.3423	51.3
	65 1,2,3-Trichloropropane	75	10.170	10.177	(0.921)	290822	50.1567	50.2
	66 Bromobenzene	77	10.217	10.212	(0.925)	509083	48.6476	48.6
	67 n-Propylbenzene	91	10.235	10.236	(0.926)	1123408	48.1793	48.2
	68 2-Chlorotoluene	91	10.353	10.354	(0.937)	696768	46.9568	47.0
	69 1,3,5-Trimethylbenzene	105	10.359	10.360	(0.938)	724487	47.4509	47.4
	70 4-Chlorotoluene	91	10.435	10.430	(0.945)	665068	48.2755	48.3
M	71 TOTAL XYLENE	106				1208618	148.014	148
	72 tert-butylbenzene	91	10.658	10.659	(0.965)	441691	47.9553	48.0
	73 1,2,4-Trimethylbenzene	105	10.688	10.695	(0.967)	693047	46.3365	46.3
	74 sec-Butylbenzene	105	10.847	10.848	(0.982)	1004471	47.6504	47.6
	75 p-Isopropyltoluene	119	10.947	10.948	(0.991)	752545	48.2105	48.2
	76 1,3-Dichlorobenzene	146	11.000	11.001	(0.996)	378367	49.3308	49.3
*	77 1,4-DICHLOROBENZENE-D4	152	11.047	11.048	(1.000)	204330	50.0000	
	78 1,4-Dichlorobenzene	146	11.071	11.072	(1.002)	396380	46.0507	46.0
	79 n-Butylbenzene	91	11.323	11.324	(1.025)	647484	47.0209	47.0
	80 1,2-Dichlorobenzene	146	11.429	11.430	(1.035)	340542	48.5725	48.6
	81 1,2-Dibromo-3-Chloropropane	157	12.161	12.162	(1.101)	36651	54.6235	54.6
	82 1,2,4-Trichlorobenzene	180	13.051	13.046	(1.181)	193124	51.9572	52.0
	83 Hexachlorobutadiene	225	13.198	13.199	(1.195)	111214	52.2370	52.2
	84 Napthalene	128	13.345	13.352	(1.208)	508793	53.2067	53.2
	85 1,2,3-Trichlorobenzene	180	13.620	13.610	(1.233)	175740	52.8988	52.9

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

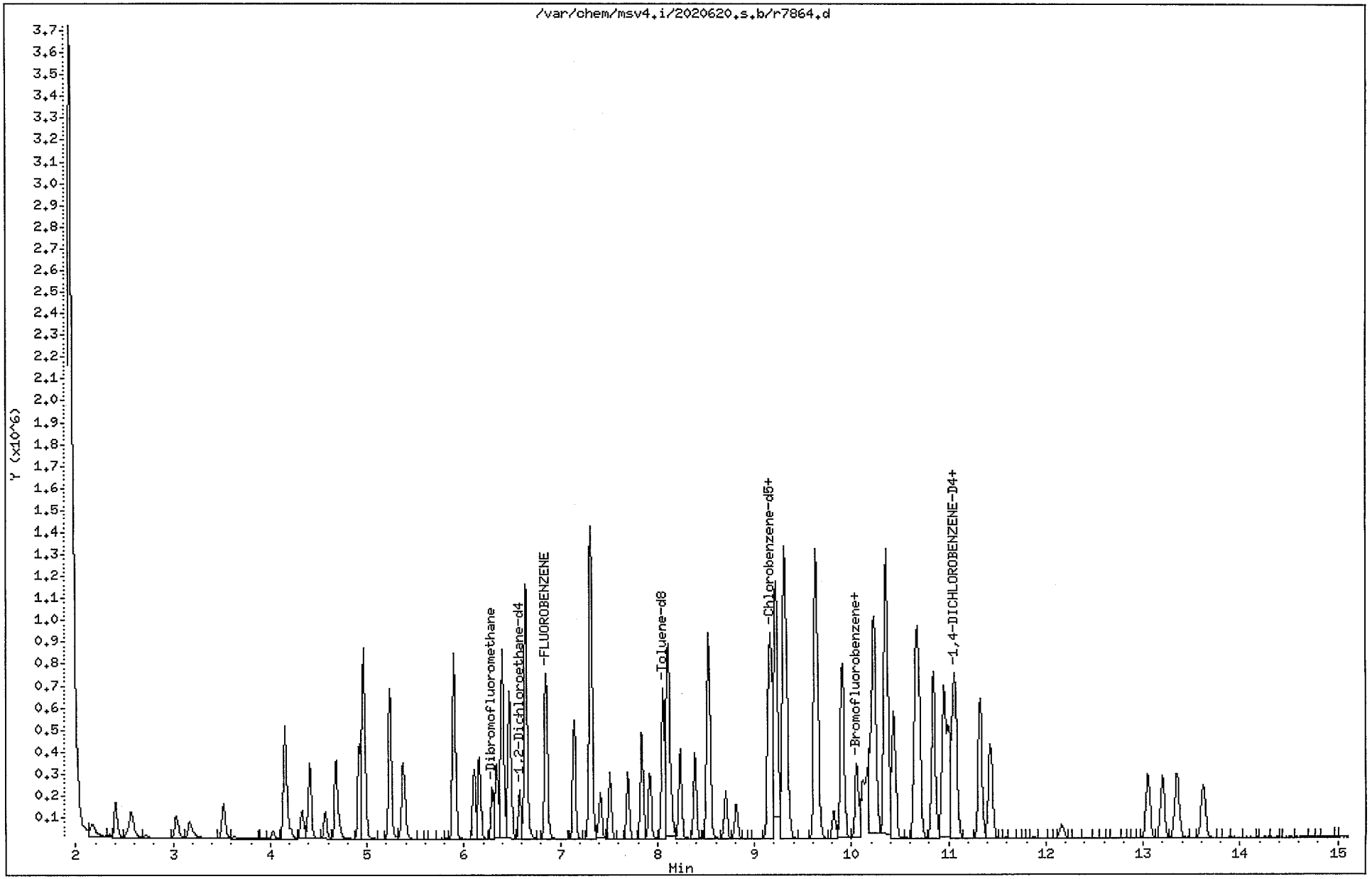
0001168

Data File: /var/chem/msv4.i/2020620.s.b/r7864.d
Date : 20-JUN-2002 10:04
Client ID: 46407
Sample Info: 46407%LCS for HBN 145848[MSV/2086]

Column phase: DB-624-M

Instrument: msv4.i

Operator: RJO
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46408	Lab Control Sample Duplicate	Solid	06/21/2002 13:21

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:31	RJO	145848

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
71-55-6	1,1,1-Trichloroethane	51.8	5.00		ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	45.5	5.00		ug/Kg
79-00-5	1,1,2-Trichloroethane	49.3	5.00		ug/Kg
75-34-3	1,1-Dichloroethane	50.5	5.00		ug/Kg
75-35-4	1,1-Dichloroethene	51.2	5.00		ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.4	5.00		ug/Kg
96-12-8	1,2-Dibromo-3-chloropropane	54.9	5.00		ug/Kg
106-93-4	1,2-Dibromoethane	49.9	5.00		ug/Kg
95-50-1	1,2-Dichlorobenzene	48.3	5.00		ug/Kg
107-06-2	1,2-Dichloroethane	50.6	5.00		ug/Kg
78-87-5	1,2-Dichloropropane	50.5	5.00		ug/Kg
541-73-1	1,3-Dichlorobenzene	48.6	5.00		ug/Kg
106-46-7	1,4-Dichlorobenzene	46.3	5.00		ug/Kg
78-93-3	2-Butanone	50.6	25.0		ug/Kg
591-78-6	2-Hexanone	47.8	5.00		ug/Kg
108-10-1	4-Methyl-2-pentanone	49.0	5.00		ug/Kg
67-64-1	Acetone	41.4	25.0		ug/Kg
71-43-2	Benzene	50.8	5.00		ug/Kg
75-27-4	Bromodichloromethane	50.3	5.00		ug/Kg
75-25-2	Bromoform	49.2	5.00		ug/Kg
74-83-9	Bromomethane	49.9	5.00		ug/Kg
75-15-0	Carbon disulfide	47.9	5.00		ug/Kg
56-23-5	Carbon tetrachloride	53.3	5.00		ug/Kg
108-90-7	Chlorobenzene	48.8	5.00		ug/Kg
75-00-3	Chloroethane	51.8	5.00		ug/Kg
67-66-3	Chloroform	50.5	5.00		ug/Kg
74-87-3	Chloromethane	47.9	5.00		ug/Kg
110-82-7	Cyclohexane	54.5	5.00		ug/Kg
124-48-1	Dibromochloromethane	50.3	5.00		ug/Kg
75-71-8	Dichlorodifluoromethane	47.0	5.00		ug/Kg
10061-01-	cis-1,3-Dichloropropene	50.1	5.00		ug/Kg
10061-02-	trans-1,3-Dichloropropene	50.2	5.00		ug/Kg
100-41-4	Ethylbenzene	51.1	5.00		ug/Kg
98-82-8	Isopropylbenzene (Cumene)	51.3	5.00		ug/Kg
79-20-9	Methyl Acetate	48.0J	5000		ug/Kg
108-87-2	Methylcyclohexane	52.9J	5000		ug/Kg
75-09-2	Methylene chloride	43.3	10.0		ug/Kg
100-42-5	Styrene	48.9	5.00		ug/Kg
127-18-4	Tetrachloroethene	51.0	5.00		ug/Kg
108-88-3	Toluene	49.8	5.00		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46408	Lab Control Sample Duplicate	Solid	06/21/2002 13:21

SW-846 8260B

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:31	RJO	145848

79-01-6	**Trichloroethene**	**51.5**	**5.00**	**ug/Kg**
75-69-4	**Trichlorofluoromethane**	**53.2**	**5.00**	**ug/Kg**
76-13-1	**Trichlorotrifluoroethane**	**53.4**	**5.00**	**ug/Kg**
75-01-4	**Vinyl chloride**	**50.1**	**2.00**	**ug/Kg**
1330-20-7	**Xylene (total)**	**151**	**10.0**	**ug/Kg**
156-59-2	**cis-1,2-Dichloroethene**	**51.1**	**5.00**	**ug/Kg**
1634-04-4	**tert-Butyl methyl ether (MTBE)**	**50.1**	**5.00**	**ug/Kg**
156-60-5	**trans-1,2-Dichloroethene**	**50.2**	**5.00**	**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
460-00-4	**4-Bromofluorobenzene**	50	50.9 ug/Kg	102	73 - 138
1868-53-7	**Dibromofluoromethane**	50	50 ug/Kg	100	70 - 130
2037-26-5	**Toluene d8**	50	49.7 ug/Kg	99	65 - 128
17060-07-	**1,2-Dichloroethane-d4**	50	49 ug/Kg	98	60 - 140

Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/msv4.i/2020620.s.b/r7865.d
Lab Smp Id: 46408 Client Smp ID: 46408
Inj Date : 20-JUN-2002 10:31
Operator : RJO Inst ID: msv4.i
Smp Info : 46408*LCSD FOR HBN 145848[MSV/2086]
Misc Info : MSV~2086~*1*RJO
Comment :
Method : /var/chem/msv4.i/2020620.s.b/8260Bs4.m
Meth Date : 25-Jun-2002 05:23 dlb Quant Type: ISTD
Cal Date : 14-JUN-2002 16:25 Cal File: r7736.d
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * ((Uf/Vo)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	2.169	2.169	(0.317)	87487	47.0402	47.0
2 Chloromethane ++	50	2.404	2.404	(0.351)	224806	47.9314	47.9
3 Vinyl Chloride +	62	2.562	2.562	(0.374)	205914	50.1005	50.1
4 Bromomethane	94	3.030	3.025	(0.442)	102779	49.9013	49.9
5 Chloroethane	64	3.171	3.172	(0.463)	127404	51.8249	51.8
6 Trichlorofluoromethane	101	3.516	3.518	(0.513)	163803	53.2132	53.2
7 1,1-Dichloroethene +	96	4.155	4.156	(0.606)	127450	51.2481	51.2
8 1,1,2Trichlotrifluoroethane	101	4.155	4.156	(0.606)	128824	53.3680	53.4
9 Acetone	43	4.214	4.209	(0.615)	58750	41.3857	41.4
10 Methyl Iodide	142	4.331	4.326	(0.632)	198781	48.7766	48.8
11 Carbon Disulfide	76	4.407	4.408	(0.643)	598904	47.8659	47.9
12 Methyl Acetate	43	4.571	4.566	(0.667)	164426	47.9601	48.0(M)
13 Methylene Chloride	49	4.677	4.684	(0.682)	289600	43.3451	43.3
14 Acrylonitrile	53	4.923	4.924	(0.718)	394761	271.601	272(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
	15 MTBE	73	4.970	4.965	(0.725)	436836	50.0677	50.1
	16 trans-1,2-Dichloroethene	61	4.970	4.965	(0.725)	279902	50.2266	50.2
	17 Hexane	57	5.239	5.241	(0.765)	348212	50.4668	50.5(M)
	18 Acrolein	56	5.239	5.241	(0.765)	187954	257.572	258(A)
	19 Vinyl Acetate	43	5.239	5.235	(0.765)	254067	51.8070	51.8
	20 1,1-Dichloroethane ++	63	5.374	5.376	(0.784)	359663	50.5063	50.5
	21 2-Butanone	43	5.896	5.891	(0.860)	122028	50.5905	50.6
	22 cis-1,2-Dichloroethene	61	5.896	5.897	(0.860)	326560	51.1082	51.1
	23 2,2-Dichloropropane	77	5.902	5.903	(0.861)	222928	51.0995	51.1
M	24 Total 1,2-Dichloroethene	61				606462	101.335	101
	25 Bromochloromethane	128	6.107	6.108	(0.891)	84548	50.4379	50.4
	26 Chloroform +	83	6.160	6.161	(0.899)	289661	50.5413	50.5
$	27 Dibromofluoromethane	111	6.295	6.290	(0.919)	151892	50.0283	50.0
	28 1,1,1-Trichloroethane	97	6.342	6.337	(0.925)	210115	51.8370	51.8
	29 Cyclohexane	56	6.400	6.402	(0.934)	484635	54.5300	54.5(M)
	30 1,1-Dichloropropene	75	6.471	6.467	(0.944)	261231	51.0321	51.0
	31 Carbon Tetrachloride	117	6.483	6.484	(0.946)	178201	53.2645	53.3
$	32 1,2-Dichloroethane-d4	67	6.577	6.578	(0.960)	76041	49.0114	49.0
	33 1,2-Dichloroethane	62	6.641	6.643	(0.969)	179021	50.6442	50.6
	34 Benzene	78	6.647	6.643	(0.970)	867926	50.7835	50.8
*	35 FLUOROBENZENE	96	6.853	6.848	(1.000)	731868	50.0000	
	36 Trichloroethene	130	7.140	7.142	(1.042)	202339	51.4882	51.5
	37 Methyl cyclohexane	83	7.310	7.312	(1.067)	379253	52.9074	52.9(M)
	38 1,2-Dichloropropane +	63	7.316	7.318	(1.068)	234196	50.5223	50.5
	39 Dibromomethane	93	7.410	7.412	(1.081)	90274	49.7383	49.7
	40 Bromodichloromethane	83	7.516	7.511	(1.097)	210797	50.2759	50.3
	41 2-Chloroethyl vinyl ether	63	7.697	7.693	(1.123)	132694	52.5624	52.6
	42 cis-1,3-Dichloropropene	75	7.838	7.840	(1.144)	304132	50.0538	50.0
	43 4-methyl-2-pentanone	43	8.525	8.521	(1.244)	173030	36.6425	36.6
$	44 Toluene-d8	98	8.061	8.057	(0.881)	629453	49.7288	49.7
	45 Toluene +	91	8.108	8.110	(0.886)	819622	49.7818	49.8
	46 trans-1,3-Dichloropropene	75	8.237	8.233	(0.901)	245418	50.2382	50.2
	47 1,1,2-Trichloroethane	97	8.384	8.386	(0.917)	143790	49.3011	49.3
	48 1,3-Dichloropropane	76	8.513	8.515	(0.931)	274787	49.1030	49.1
	49 2-Hexanone	43	8.525	8.521	(0.932)	173091	47.8373	47.8
	50 Tetrachloroethene	164	8.531	8.533	(0.933)	140925	50.9931	51.0
	51 Dibromochloromethane	129	8.701	8.703	(0.951)	138393	50.2875	50.3
	52 1,2-Dibromoethane(EDB)	107	8.812	8.808	(0.963)	134001	49.8830	49.9
*	53 Chlorobenzene-d5	82	9.146	9.148	(1.000)	248830	50.0000	
	54 Chlorobenzene ++	112	9.170	9.172	(1.003)	518689	48.7626	48.8
	55 1,1,1,2-Tetrachloroethane	133	9.211	9.213	(1.007)	144713	50.2601	50.3
	56 Ethylbenzene +	106	9.229	9.225	(1.009)	302215	51.0618	51.1
	57 p,m-Xylene	106	9.312	9.308	(1.018)	743741	99.7875	99.8
	58 o-Xylene	106	9.634	9.636	(1.053)	352131	51.3653	51.4
	59 Styrene	104	9.634	9.636	(1.053)	557105	48.9013	48.9
	60 Bromoform ++	173	9.816	9.812	(1.073)	77053	49.2355	49.2
	61 Isopropylbenzene	105	9.904	9.906	(1.083)	856452	51.3167	51.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)
$	62 Bromofluorobenzene	174	10.057	10.053	(1.100)	144933	50.8869	50.9
	63 1,1,2,2-Tetrachloroethane++	83	10.116	10.118	(0.916)	200497	45.4871	45.5
	64 trans-1,4-Dichloro-2-Butene	53	10.145	10.147	(0.918)	47912	50.6580	50.6
	65 1,2,3-Trichloropropane	75	10.169	10.177	(0.921)	247566	48.1566	48.2
	66 Bromobenzene	77	10.210	10.212	(0.924)	448318	48.3194	48.3
	67 n-Propylbenzene	91	10.240	10.236	(0.927)	1025825	49.6202	49.6
	68 2-Chlorotoluene	91	10.352	10.354	(0.937)	619402	47.0810	47.1
	69 1,3,5-Trimethylbenzene	105	10.357	10.360	(0.938)	660915	48.8227	48.8
	70 4-Chlorotoluene	91	10.434	10.430	(0.945)	591454	48.4222	48.4
M	71 TOTAL XYLENE	106				1095872	151.153	151
	72 tert-butylbenzene	91	10.663	10.659	(0.965)	399740	48.9506	49.0
	73 1,2,4-Trimethylbenzene	105	10.693	10.695	(0.968)	625551	47.1721	47.2
	74 sec-Butylbenzene	105	10.845	10.848	(0.982)	918542	49.1463	49.1
	75 p-Isopropyltoluene	119	10.951	10.948	(0.991)	681572	49.2475	49.2
	76 1,3-Dichlorobenzene	146	10.999	11.001	(0.996)	330724	48.6333	48.6
*	77 1,4-DICHLOROBENZENE-D4	152	11.046	11.048	(1.000)	181163	50.0000	
	78 1,4-Dichlorobenzene	146	11.075	11.072	(1.003)	353204	46.2821	46.3
	79 n-Butylbenzene	91	11.322	11.324	(1.025)	580566	47.5528	47.6
	80 1,2-Dichlorobenzene	146	11.427	11.430	(1.035)	300334	48.3156	48.3
	81 1,2-Dibromo-3-Chloropropane	157	12.165	12.162	(1.101)	32659	54.8983	54.9
	82 1,2,4-Trichlorobenzene	180	13.050	13.046	(1.181)	169477	51.4260	51.4
	83 Hexachlorobutadiene	225	13.202	13.199	(1.195)	103178	54.6599	54.6
	84 Napthalene	128	13.343	13.352	(1.208)	440940	52.0076	52.0
	85 1,2,3-Trichlorobenzene	180	13.619	13.610	(1.233)	153549	52.1297	52.1

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

000174

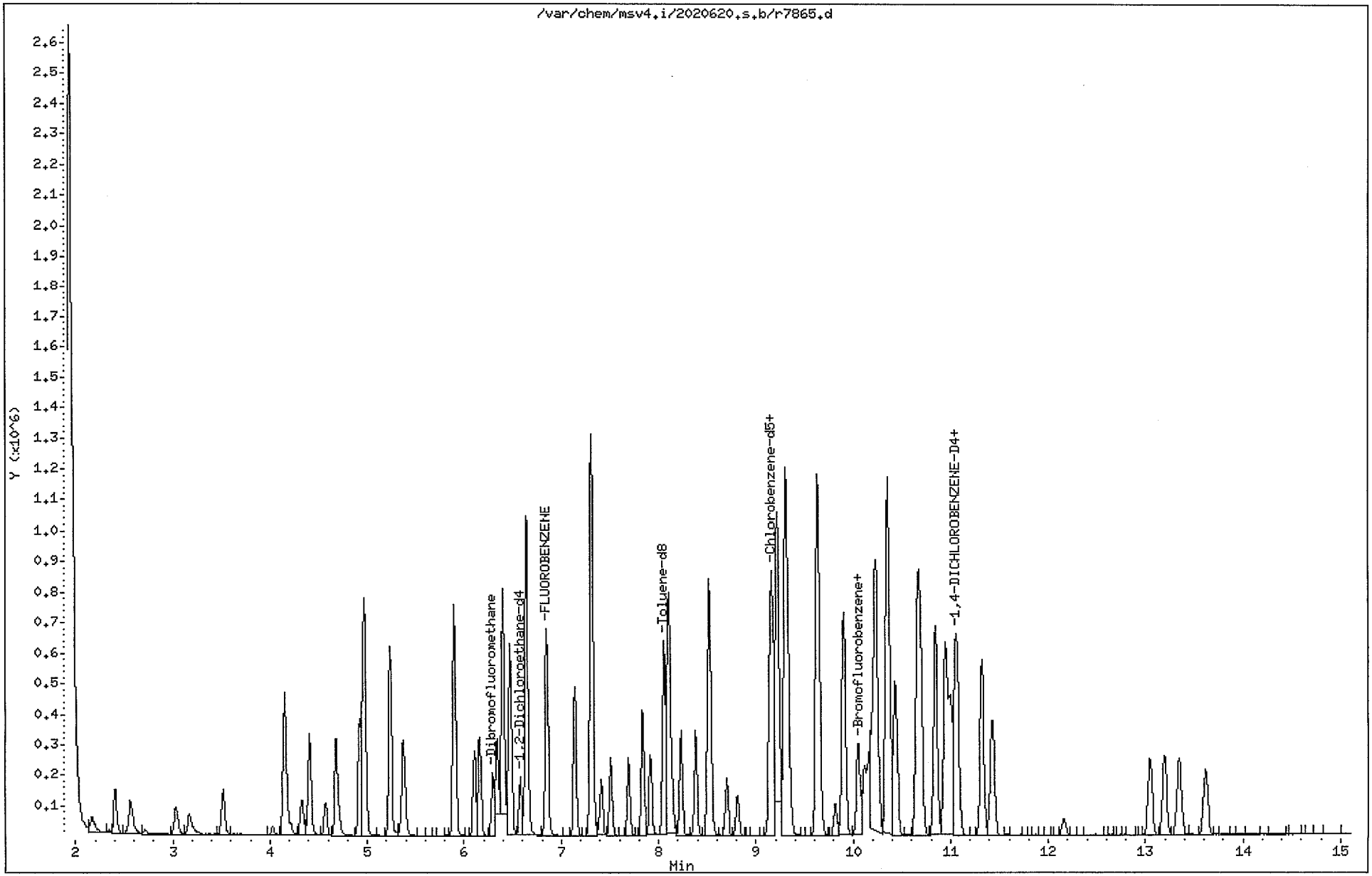
Data File: /var/chem/msv4.i/2020620.s.b/r7865.d
Date : 20-JUN-2002 10:31
Client ID: 46408
Sample Info: 46408*LCSD FOR HBN 145848[MSV/2086]

Instrument: msv4.i

Operator: RJO

Column phase: DB-624-M

Column diameter: 0.53



LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 20-JUN-2002
Instrument: msv0.i
Analyst(s): RJO

Standard	Conc ppm
Int. Standard	50
Surrogate	50
8260	50
Ac/Ac/VA	250/50
CVE	50

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
0620V0BFB02		r5639.d	0.00	20-JUN-2002 16:13	1.000	2
V0STD050		r5640.d	5.00	20-JUN-2002 16:52	1.000	3
46326		r5641.d	5.00	20-JUN-2002 17:14	1.000	4
46525		r5642.d	5.00	20-JUN-2002 17:37	1.000	5
BLANK		r5643.d	5.00	20-JUN-2002 18:07	1.000	6
46325		r5644.d	5.00	20-JUN-2002 18:38	1.000	7
20206190301		r5645.d	5.00	20-JUN-2002 19:15	40.000	3
46572		r5646.d	5.00	20-JUN-2002 20:17	40.000	4
46573		r5647msd.d	5.00	20-JUN-2002 20:39	40.000	5
20206190208		r5648.d	5.00	20-JUN-2002 21:02	1.000	4
20206190209		r5649.d	5.00	20-JUN-2002 21:24	1.000	4
20206200203		r5650.d	5.00	20-JUN-2002 21:47	1.000	5
20206192801		r5651.d	5.00	20-JUN-2002 22:09	1.000	6
20206192802		r5652.d	5.00	20-JUN-2002 22:32	1.000	7
20206192803		r5653.d	5.00	20-JUN-2002 22:54	1.000	8
20206192804		r5654.d	5.00	20-JUN-2002 23:17	1.000	9
20206192805		r5655.d	5.00	20-JUN-2002 23:39	1.000	10
20206192806		r5656.d	5.00	21-JUN-2002 00:02	1.000	11
20206192807		r5657.d	5.00	21-JUN-2002 00:24	1.000	12
20206192808		r5658.d	5.00	21-JUN-2002 00:47	1.000	13
20206192809		r5659.d	5.00	21-JUN-2002 01:09	1.000	14
20206192810		r5660.d	5.00	21-JUN-2002 01:31	1.000	15
20206192811		r5661.d	5.00	21-JUN-2002 01:54	25.000	16

REVISED 01/01/2000

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 20-JUN-2002
Instrument: msv4.i
Analyst(s): RJO

Standard	Conc ppm
Int. Standard	50
Surrogate	50
8260	50
Ac/Ac/VA	250/50
CVE	50

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
0620V4BFB01		r7862.d	0.00	20-JUN-2002 08:32	1.000	2
V4STD050		r7863.d	5.00	20-JUN-2002 09:06	1.000	2
46407		r7864.d	5.00	20-JUN-2002 10:04	1.000	3
46408		r7865.d	5.00	20-JUN-2002 10:31	1.000	4
46406		r7866.d	5.00	20-JUN-2002 11:06	1.000	5
20206200201		r7867.d	5.00	20-JUN-2002 12:12	1.000	6
20206200202		r7868.d	5.00	20-JUN-2002 12:39	1.000	7

REVISED 01/01/2000

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
AC/AC-	4-13-1	Q2143	NSI	010702-03 EXP 07-02	3.125	25ml	250ppm	Water NA	RSF	04-03-02	07-31-02
8260 spike	4-13-2	090600	Absolute	19066/090605	2.5mL	25mL	250ppm	MEOH/ 014929	dlB	04-16-02	10-15-02
8260 IS/SS	4-13-3	C-441-04 2500ppm	NSI IS	C-441-04 Exp-02-04	1.0ml	100ml	25ppm	meOH 014929	RW	4-18-02	10-17-02
↓	↓	C-440-04 2500ppm	NSI SURR	C-440-04 Exp-06-03	1.0ml	↓	↓	↓	↓	↓	↓
2 CVE	4-13-4	17-04-04	NSF 1000	17-04-04 Exp 03-03	6.25ml	25ml	250ppm	meOH 014929	RW	4-18-02	10-17-02
Dates 4/3/02 - 4/18/02 Reviewed by QA/QC on 4/23/02 [illegible]											
8260-IS/SS-4	4-13-5	C-441-04 2500ppm	NSI IS	C-441-04 ~~Exp-06-03~~ Exp-02-04 RSF 4-28	0.5ml	25ml	50ppm	meOH	RSF	4-26-02	10-25-02
	↓	C-440-04 2500ppm	NSI SURR	C-440-04 Exp-06-03	0.5ml	25ml	50ppm	014929	↓	↓	↓
8260 STD	4-13-6	Q-3393 1000ppm	NSF	032102-01 Exp-03-03	6.250 ml	25 ml	250 ppm	meOH 014929	RW	4-27-02	10-26-02
	↓	C-303-11 2000ppm	NSF gases	011502 Exp 01-03	3.125 ml			↓	↓	↓	↓
	↓	Q 2128 2000ppm	NSF	040802-04 Exp-02-03	3.125 ml						
1-3-Butadiene	4-13-7	93016 2500ppm	ABS	103101 Exp 103104	~~1.0ml~~ 2.5ml 4-28-02 RSF	~~10ml~~ 25ml 4-28-02 RSF	250ppm	014929 meOH	RW	4-28-02	10-27-02
App-9 mix-1	4-13-8	93014 2500ppm	ABS	103001 Exp 103004	~~1.0ml~~ 2.5ml RW	~~10ml~~ 25ml 4-28-02 RW	250ppm	014929 meOH	RW	4-28-02	10-27-02
App9 mix-2	4-13-9	93015 variable	ABS	103101 Exp. 103104	1.25ml	5ml	50ppm	014929 meOH	RW	4-28-02	10-27-02
CLP-OLC-3-2 STD A	4-13-10	93164 2000ppm	ABS	050102 Exp-050107	3.125 ml	25ml	250ppm	014929 meOH	RSF	5-02-02	11-01-02
CLP-OLC-3-2 STD-B Ketone	4-13-11	82402 2000ppm	ABS	012901 Exp-012904	2.5ml	10ml	500ppm	014929 meOH	RSF	05-02-02	11-01-02
CLP-OLC-3-2 IS-	4-13-12	20048 2500ppm	ABS	051601 Exp-051606	1.0ml	10ml	250ppm	meOH 014929	RW	05-02-02	11-01-02
CLP-OLC-3-2 SURR-A-non Ketone	4-13-13	ES-5038-1 100ppm	cambridge	PR-12931 Exp-08-04	1.0ml	10ml	10ppm	meOH 014929	RSF	05-02-02	11-01-02

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
LP-OLC-3-2 SURR-B Keton-mix	4-14-1	ES-5038-2 200 ppm	cambridge	PR-12932 EXP-08-04	0.5ml	2.0ml	50ppm	meOH 014929	RSR	05-02-02	11-1-02
LP IS	4-14-2	C-157-03 2500 ug/ml	NSI	C-157-03 Exp 09/02	1 mL	20 mL	125 ppm	meOH 014929	HJL	05-03-02	11-02-02
GM Std	4-14-3	00706LL	Aldrich	00706LL Exp NEAT STD	0.1g	10ml	10,000ppm	Methanol 014929	RJO	5-3-02	11-2-02
		03009DO		03009DO NEAT STD	0.1g	10ml	10,000ppm	Methanol 014929	RJO	5-3-02	11-2-02
		03306KR		03306KR NEAT STD	0.1g	10ml	10,000ppm	Methanol 014929	RJO	5-3-02	11-2-02
		16319JO		16319JO NEAT STD	0.1g	10ml	10,000ppm	Methanol 014929	RJO	5-3-02	11-2-02
		12519LO		12519LO NEAT STD	0.1g	10ml	10,000ppm	Methanol 014929	RJO	5-3-02	11-2-02
GM-ARC STD	4-14-4	4-14-3	IN HOUSE	IN HOUSE 11-2-02	625µl	25ml	250ppm	Methanol 014929	RJO	5-3-02	11-2-02
LP-OLC-32 SUUR-A non Ketone	4-14-5	ES-5038-1 100ppm	cambridge	PR-12931 Exp. 8-04	1.0ml	10ml	10ppm	meOH 014929	RSR	5-7-02	11-6-02
LP-OLC-3-2 SURR-B-Ketone	4-14-6	ES-5038-2 200ppm	cambridge	PR-12932 Exp-08-04	0.5ml	2.0ml	50ppm	meOH 014929	RV	05-09-02 RV-05-09	11-8-02
AC/AC	4-14-7	Q2143	NSI	0210802-03 Exp-10-02	3.125	25ml	250ppm	Water NA	RV	05-11-02	10-10-02
8260 IS/SS	4-14-8	C-440-04 Exp06-03	NSI surr	C-440-04 Exp 06-03	1.0mL	10mL	250ppm	meOH 014929	MB	05-13-02	11-12-02
		C-441-03 Exp 02-04	NSI IS	C-441-03 Exp 02-04	1.0mL	↓	↓	↓	↓	↓	↓
8260 SS	4-14-9	C-440-04	NSI SURR 2500 ppm	C-440-04 Exp-06-03	1.0ml	100ml	25ppm	meOH 014929	RV	05-18-02	11-17-02
Dates 4/26/02-5/18/02 Reviewed By QA/QC on 5/28/02											
8260 IS/SS	4-14-10	C-440-04 Exp-06-03	NSI SURR	C-440-04 2500ppm	2.5ml	25 ml	250ppm	meOH 014929	RV	05-30-02	11-29-02
		C-441-03 Exp-02-04	NSI IS	C-441-03 2500ppm	2.5ml	↓	↓	↓	↓	↓	↓

0001178

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
~~2-4-Dieth~~ ~~1-15-1~~	RJO	6-2-02									
ethylbenzene	4-15-01	92970	ABS 2500ppm	091801 Exp - 09-18-06	1.0 ml	10 ml	250 ppm	MeOH 014929	RJO	6-2-02	12-1-02
c/AC	4-15-02	Q2143	NSI	040802-03 Exp-10-02	3-125ml	25ml	250ppm	water	RJO	6-7-02	10-06-02
260 Is/SS	4-15-03	C-440-04 SURRO	NSI 2500ppm	C-440-04 Exp-06-03	2.5ml	25ml	250ppm	MeOH 021271	RJO	6-22-02	12-21-02
		C-441-04 INT STD	NSI 2500ppm	C-441-04 Exp-02-04	2.5ml						
211 IS/SS	4-15-04	C-440-04 SURR	NSI 2500ppm	C-440-04 Exp-06-03	1.5ml	25ml	150ppm	MeOH 021271	RJO	6-22-02	12-21-02
		C-441-04 INT	NSI 2500ppm	C-441-04 Exp-02-04	1.5ml						
Bromo-2 chloro-thane	4-15-05	15824 JR	Aldrich	15824 JR EXP N/A NEAT	0.1g	10ml	10,000ppm	Methanol 021271	RJO	6-24-02	12-23-02
Bromo-2Chloroethane	4-15-06	4-15-05	IN HOUSE	IN HOUSE 12-23-02	250µl	10ml	250ppm	Methanol 021271	RJO	6-24-02	12-23-02
s (Chloro-methyl) Ether	4-15-7	RCC-006	Ultra	NT02016 Exp. 01/08	0.1g	10 mL	10,000 PPM	Methanol 021271	dB	06-24-02	12-23-02
s (chloromethyl) Ether	4-15-8	4-15-7	In house	In house 12-23-02	250 uL	10 mL	250 PPM	Methanol 021271	dB	06-24-02	12-23-02
~~LP IS/~~ RJO 6-24-02 CLP IS/SS	4-15-9	LA 87629	SUPELCO	LA 87629 11-02	625µl	5ml	250 ppm	Methanol 021271	RJO	6-24-02	11-01-02
	4-15-9	C-440-04	NSI	C-440-04 06-03	500µl	5ml	250ppm	Methanol 021271	RJO	6-24-02	11-01-02
CLP IS/SS	4-15-10	4-15-9	In House	In House 12-23-02	500µl	5ml	25ppm	Methanol 021271	RJO	6-24-02	11-1-02
C											

000179

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	S7 #	S8 #	TOT OUT
01	46410	81	74	84	83	74	72			0
02	46411	86	83	90	77	76	80			0
03	046-BF-S-061	69	66	79	72	63	68			0
04	46412	74	68	85	75	69	72			0
05	46413	76	70	89	76	69	74			0
06	046-RB-S-061	77	69	88	81	72	79			0
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(46-116)
S2 (FBP)	= 2-Fluorobiphenyl	(39-116)
S3 (TPH)	= Terphenyl-d14	(24-137)
S4 (PHL)	= Phenol-d5	(34-113)
S5 (2FP)	= 2-Fluorophenol	(44-106)
S6 (TBP)	= 2,4,6-Tribromophenol	(17-120)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 46411	ORIGINAL LAB ID:	PREP BATCH: 145849
	MATRIX Solid	ANALYTICAL BATCH: 145931

SW-846 8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
208-96-8	Acenaphthylene	3330 ug/Kg	2660	80	60 - 120
120-12-7	Anthracene	3330 ug/Kg	2620	79	60 - 120
56-55-3	Benzo(a)anthracene	3330 ug/Kg	2590	78	60 - 120
205-99-2	Benzo(b)fluoranthene	3330 ug/Kg	2710	81	60 - 120
207-08-9	Benzo(k)fluoranthene	3330 ug/Kg	2650	80	60 - 120
191-24-2	Benzo(g,h,i)perylene	3330 ug/Kg	2520	76	60 - 120
50-32-8	Benzo(a)pyrene	3330 ug/Kg	2670	80	60 - 120
85-68-7	Butyl benzyl phthalate	3330 ug/Kg	3100	93	60 - 120
111-91-1	Bis(2-Chloroethoxy)methane	3330 ug/Kg	2800	84	60 - 120
111-44-4	Bis(2-Chloroethyl)ether	3330 ug/Kg	2600	78	45 - 135
108-60-1	Bis(2-Chloroisopropyl)ether	3330 ug/Kg	2830	85	45 - 135
117-81-7	Bis(2-Ethylhexyl)phthalate	3330 ug/Kg	3220	97	60 - 120
101-55-3	4-Bromophenyl phenyl ether	3330 ug/Kg	2630	79	60 - 120
86-74-8	Carbazole	3330 ug/Kg	2900	87	60 - 120
7005-72-3	4-Chlorophenyl phenyl ether	3330 ug/Kg	2780	83	45 - 135
218-01-9	Chrysene	3270 ug/Kg	2760	84	60 - 120
53-70-3	Dibenz(a,h)anthracene	3330 ug/Kg	2510	75	60 - 120
132-64-9	Dibenzofuran	3330 ug/Kg	2750	83	45 - 135
91-94-1	3,3'-Dichlorobenzidine	3330 ug/Kg	1770	53 *	60 - 120
120-83-2	2,4-Dichlorophenol	3330 ug/Kg	2630	79	30 - 150
84-66-2	Diethyl phthalate	3330 ug/Kg	2640	79	60 - 120
105-67-9	2,4-Dimethylphenol	3330 ug/Kg	2750	83	60 - 120
131-11-3	Dimethyl phthalate	3330 ug/Kg	2550	77	60 - 120
117-84-0	Di-n-octyl phthalate	3330 ug/Kg	2900	87	60 - 120
51-28-5	2,4-Dinitrophenol	3330 ug/Kg	2590	78	30 - 150
606-20-2	2,6-Dinitrotoluene	3330 ug/Kg	2670	80	60 - 120
206-44-0	Fluoranthene	3330 ug/Kg	2740	82	60 - 120
86-73-7	Fluorene	3330 ug/Kg	2790	84	60 - 120
118-74-1	Hexachlorobenzene	3330 ug/Kg	2480	74	60 - 120
87-68-3	Hexachlorobutadiene	3330 ug/Kg	2610	78	60 - 120
77-47-4	Hexachlorocyclopentadiene	3330 ug/Kg	2740	82	45 - 135
67-72-1	Hexachloroethane	3330 ug/Kg	2620	79	45 - 135
78-59-1	Isophorone	3330 ug/Kg	2890	87	45 - 135
193-39-5	Indeno(1,2,3-cd)pyrene	3330 ug/Kg	2580	77	60 - 120
91-57-6	2-Methylnaphthalene	3330 ug/Kg	2730	82	60 - 120
95-48-7	o-Cresol	3330 ug/Kg	2510	75	30 - 150
91-20-3	Naphthalene	3330 ug/Kg	2750	83	45 - 135
98-95-3	Nitrobenzene	3330 ug/Kg	2960	89	60 - 120
88-75-5	2-Nitrophenol	3330 ug/Kg	2720	82	30 - 150

QUALITY CONTROL SUMMARY

86-30-6	n-Nitrosodiphenylamine	3270 ug/Kg	2730	84	60 - 120
85-01-8	Phenanthrene	3330 ug/Kg	2690	81	60 - 120
95-95-4	2,4,5-Trichlorophenol	3330 ug/Kg	2730	82	45 - 135
88-06-2	2,4,6-Trichlorophenol	3330 ug/Kg	2690	81	45 - 135
105-60-2	Caprolactam	3330 ug/Kg	2830	85	60 - 120
98-86-2	Acetophenone	3330 ug/Kg	3060	92	60 - 120
99-09-2	3-Nitroaniline	3330 ug/Kg	1700	51	30 - 150
100-01-6	4-Nitroaniline	3370 ug/Kg	2450	73	30 - 150
84-74-2	Di-n-butyl phthalate	3330 ug/Kg	2780	83	60 - 120
88-74-4	2-Nitroaniline	3330 ug/Kg	2630	79	30 - 150
91-58-7	2-Chloronaphthalene	3330 ug/Kg	2520	76	45 - 135
106-47-8	4-Chloroaniline	3330 ug/Kg	1370	41	30 - 150
1912-24-9	Atrazine (Aatrex)	3330 ug/Kg	3610	108	60 - 120
100-52-7	Benzaldehyde	3330 ug/Kg	1330	40 *	60 - 120
92-52-4	Biphenyl	3330 ug/Kg	2720	82	60 - 120
1319-77-3MP	m,p-Cresol	3330 ug/Kg	2750	83	30 - 150
534-52-1	4,6-Dinitro-2-methylphenol	3330 ug/Kg	3170	95	60 - 120
108-95-2	Phenol	3330 ug/Kg	2510	75	29 - 127
95-57-8	2-Chlorophenol	3330 ug/Kg	2550	77	31 - 124
621-64-7	n-Nitrosodi-n-propylamine	3330 ug/Kg	2830	85	60 - 115
59-50-7	4-Chloro-3-methylphenol	3330 ug/Kg	2740	82	38 - 118
83-32-9	Acenaphthene	3330 ug/Kg	2700	81	56 - 116
100-02-7	4-Nitrophenol	3330 ug/Kg	2890	87	23 - 130
121-14-2	2,4-Dinitrotoluene	3330 ug/Kg	2700	81	58 - 122
87-86-5	Pentachlorophenol	3330 ug/Kg	2730	82	30 - 125
129-00-0	Pyrene	3330 ug/Kg	2930	88	54 - 122

MS LAB ID: 46412 ORIGINAL LAB ID: 20206200201 PREP BATCH: 145849
MATRIX Solid ANALYTICAL BATCH: 145931

SW-846 8270C

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
208-96-8	Acenaphthylene	0	3330 ug/Kg	2270	68	60 - 120
120-12-7	Anthracene	0	3330 ug/Kg	2230	67	60 - 120
56-55-3	Benzo(a)anthracene	0	3330 ug/Kg	2240	67	60 - 120
205-99-2	Benzo(b)fluoranthene	0	3330 ug/Kg	2340	70	60 - 120
207-08-9	Benzo(k)fluoranthene	0	3330 ug/Kg	2450	74	60 - 120
191-24-2	Benzo(g,h,i)perylene	0	3330 ug/Kg	2290	69	60 - 120
50-32-8	Benzo(a)pyrene	0	3330 ug/Kg	2330	70	60 - 120
85-68-7	Butyl benzyl phthalate	0	3330 ug/Kg	2790	84	60 - 120
111-91-1	Bis(2-Chloroethoxy)methane	0	3330 ug/Kg	2440	73	60 - 120
111-44-4	Bis(2-Chloroethyl)ether	0	3330 ug/Kg	2340	70	45 - 135
108-60-1	Bis(2-Chloroisopropyl)ether	0	3330 ug/Kg	2600	78	45 - 135
117-81-7	Bis(2-Ethylhexyl)phthalate	50.8	3330 ug/Kg	2990	88	60 - 120
101-55-3	4-Bromophenyl phenyl ether	0	3330 ug/Kg	2300	69	60 - 120

QUALITY CONTROL SUMMARY

86-74-8	Carbazole	0	3330 ug/Kg	2380	71	60 - 120
7005-72-3	4-Chlorophenyl phenyl ether	0	3330 ug/Kg	2450	74	45 - 135
218-01-9	Chrysene	0	3270 ug/Kg	2410	74	60 - 120
53-70-3	Dibenz(a,h)anthracene	0	3330 ug/Kg	2230	67	60 - 120
132-64-9	Dibenzofuran	0	3330 ug/Kg	2390	72	45 - 135
91-94-1	3,3'-Dichlorobenzidine	0	3330 ug/Kg	1010	30 *	60 - 120
120-83-2	2,4-Dichlorophenol	0	3330 ug/Kg	2360	71	30 - 150
84-66-2	Diethyl phthalate	0	3330 ug/Kg	2380	71	60 - 120
105-67-9	2,4-Dimethylphenol	0	3330 ug/Kg	2310	69	60 - 120
131-11-3	Dimethyl phthalate	0	3330 ug/Kg	2280	68	60 - 120
117-84-0	Di-n-octyl phthalate	0	3330 ug/Kg	2580	77	60 - 120
51-28-5	2,4-Dinitrophenol	0	3330 ug/Kg	3210	96	30 - 150
606-20-2	2,6-Dinitrotoluene	0	3330 ug/Kg	2380	71	60 - 120
206-44-0	Fluoranthene	0	3330 ug/Kg	2340	70	60 - 120
86-73-7	Fluorene	0	3330 ug/Kg	2440	73	60 - 120
118-74-1	Hexachlorobenzene	0	3330 ug/Kg	2140	64	60 - 120
87-68-3	Hexachlorobutadiene	0	3330 ug/Kg	2170	65	60 - 120
77-47-4	Hexachlorocyclopentadiene	0	3330 ug/Kg	2270	68	45 - 135
67-72-1	Hexachloroethane	0	3330 ug/Kg	2240	67	45 - 135
78-59-1	Isophorone	0	3330 ug/Kg	2510	75	45 - 135
193-39-5	Indeno(1,2,3-cd)pyrene	0	3330 ug/Kg	2320	70	60 - 120
91-57-6	2-Methylnaphthalene	0	3330 ug/Kg	2410	72	60 - 120
95-48-7	o-Cresol	0	3330 ug/Kg	2430	73	30 - 150
91-20-3	Naphthalene	0	3330 ug/Kg	2340	70	45 - 135
98-95-3	Nitrobenzene	0	3330 ug/Kg	2550	77	60 - 120
88-75-5	2-Nitrophenol	0	3330 ug/Kg	2340	70	30 - 150
86-30-6	n-Nitrosodiphenylamine	0	3270 ug/Kg	2330	71	60 - 120
85-01-8	Phenanthrene	0	3330 ug/Kg	2270	68	60 - 120
95-95-4	2,4,5-Trichlorophenol	0	3330 ug/Kg	2410	72	45 - 135
88-06-2	2,4,6-Trichlorophenol	0	3330 ug/Kg	2370	71	45 - 135
105-60-2	Caprolactam	0	3330 ug/Kg	2630	79	60 - 120
98-86-2	Acetophenone	0	3330 ug/Kg	2840	85	60 - 120
99-09-2	3-Nitroaniline	0	3330 ug/Kg	1380	41	30 - 150
100-01-6	4-Nitroaniline	0	3370 ug/Kg	1820	54	30 - 150
84-74-2	Di-n-butyl phthalate	0	3330 ug/Kg	2440	73	60 - 120
88-74-4	2-Nitroaniline	0	3330 ug/Kg	2310	69	30 - 150
91-58-7	2-Chloronaphthalene	0	3330 ug/Kg	2150	65	45 - 135
106-47-8	4-Chloroaniline	0	3330 ug/Kg	810	24 *	30 - 150
1912-24-9	Atrazine (Aatrex)	0	3330 ug/Kg	2980	89	60 - 120
100-52-7	Benzaldehyde	0	3330 ug/Kg	3790	114	60 - 120
92-52-4	Biphenyl	0	3330 ug/Kg	2670	80	60 - 120
1319-77-3MP	m,p-Cresol	0	3330 ug/Kg	2570	77	30 - 150
534-52-1	4,6-Dinitro-2-methylphenol	0	3330 ug/Kg	3000	90	60 - 120
108-95-2	Phenol	0	3330 ug/Kg	2410	72	43 - 114
95-57-8	2-Chlorophenol	0	3330 ug/Kg	2300	69	40 - 120

QUALITY CONTROL SUMMARY

621-64-7	n-Nitrosodi-n-propylamine	0	3330 ug/Kg	2690	81	62 - 111
59-50-7	4-Chloro-3-methylphenol	0	3330 ug/Kg	2530	76	50 - 114
83-32-9	Acenaphthene	0	3330 ug/Kg	2330	70	48 - 126
100-02-7	4-Nitrophenol	0	3330 ug/Kg	2520	76	47 - 110
121-14-2	2,4-Dinitrotoluene	0	3330 ug/Kg	2420	73	43 - 148
87-86-5	Pentachlorophenol	0	3330 ug/Kg	2620	79	36 - 125
129-00-0	Pyrene	0	3330 ug/Kg	2760	83	38 - 143

MSD LAB ID: 46413 ORIGINAL LAB ID: 20206200201 PREP BATCH: 145849
MATRIX Solid ANALYTICAL BATCH: 145931

SW-846 8270C

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
208-96-8	Acenaphthylene	3330 ug/Kg	2370	71	60 - 120	4	0 - 40
120-12-7	Anthracene	3330 ug/Kg	2350	71	60 - 120	6	0 - 40
56-55-3	Benzo(a)anthracene	3330 ug/Kg	2330	70	60 - 120	4	0 - 40
205-99-2	Benzo(b)fluoranthene	3330 ug/Kg	2370	71	60 - 120	1	0 - 40
207-08-9	Benzo(k)fluoranthene	3330 ug/Kg	2540	76	60 - 120	3	0 - 40
191-24-2	Benzo(g,h,i)perylene	3330 ug/Kg	2440	73	60 - 120	6	0 - 40
50-32-8	Benzo(a)pyrene	3330 ug/Kg	2410	72	60 - 120	3	0 - 40
85-68-7	Butyl benzyl phthalate	3330 ug/Kg	2960	89	60 - 120	6	0 - 40
111-91-1	Bis(2-Chloroethoxy)methane	3330 ug/Kg	2550	77	60 - 120	5	0 - 40
111-44-4	Bis(2-Chloroethyl)ether	3330 ug/Kg	2320	70	45 - 135	0	0 - 40
108-60-1	Bis(2-Chloroisopropyl)ether	3330 ug/Kg	2610	78	45 - 135	0	0 - 40
117-81-7	Bis(2-Ethylhexyl)phthalate	3330 ug/Kg	3140	93	60 - 120	6	0 - 40
101-55-3	4-Bromophenyl phenyl ether	3330 ug/Kg	2380	71	60 - 120	3	0 - 40
86-74-8	Carbazole	3330 ug/Kg	2490	75	60 - 120	5	0 - 40
7005-72-3	4-Chlorophenyl phenyl ether	3330 ug/Kg	2520	76	45 - 135	3	0 - 40
218-01-9	Chrysene	3270 ug/Kg	2500	77	60 - 120	4	0 - 40
53-70-3	Dibenz(a,h)anthracene	3330 ug/Kg	2320	70	60 - 120	4	0 - 40
132-64-9	Dibenzofuran	3330 ug/Kg	2460	74	45 - 135	3	0 - 40
91-94-1	3,3'-Dichlorobenzidine	3330 ug/Kg	1020	31 *	60 - 120	3	0 - 40
120-83-2	2,4-Dichlorophenol	3330 ug/Kg	2500	75	30 - 150	5	0 - 40
84-66-2	Diethyl phthalate	3330 ug/Kg	2490	75	60 - 120	5	0 - 40
105-67-9	2,4-Dimethylphenol	3330 ug/Kg	1960	59 *	60 - 120	16	0 - 40
131-11-3	Dimethyl phthalate	3330 ug/Kg	2350	71	60 - 120	4	0 - 40
117-84-0	Di-n-octyl phthalate	3330 ug/Kg	2690	81	60 - 120	5	0 - 40
51-28-5	2,4-Dinitrophenol	3330 ug/Kg	3300	99	30 - 150	3	0 - 40
606-20-2	2,6-Dinitrotoluene	3330 ug/Kg	2460	74	60 - 120	4	0 - 40
206-44-0	Fluoranthene	3330 ug/Kg	2450	74	60 - 120	6	0 - 40
86-73-7	Fluorene	3330 ug/Kg	2530	76	60 - 120	4	0 - 40
118-74-1	Hexachlorobenzene	3330 ug/Kg	2210	66	60 - 120	3	0 - 40
87-68-3	Hexachlorobutadiene	3330 ug/Kg	2220	67	60 - 120	3	0 - 40
77-47-4	Hexachlorocyclopentadiene	3330 ug/Kg	2190	66	45 - 135	3	0 - 40
67-72-1	Hexachloroethane	3330 ug/Kg	2240	67	45 - 135	0	0 - 40

QUALITY CONTROL SUMMARY

78-59-1	Isophorone	3330 ug/Kg	2630	79	45 - 135	5	0 - 40
193-39-5	Indeno(1,2,3-cd)pyrene	3330 ug/Kg	2460	74	60 - 120	6	0 - 40
91-57-6	2-Methylnaphthalene	3330 ug/Kg	2550	77	60 - 120	7	0 - 40
95-48-7	o-Cresol	3330 ug/Kg	2360	71	30 - 150	3	0 - 40
91-20-3	Naphthalene	3330 ug/Kg	2420	73	45 - 135	4	0 - 40
98-95-3	Nitrobenzene	3330 ug/Kg	2660	80	60 - 120	4	0 - 40
88-75-5	2-Nitrophenol	3330 ug/Kg	2440	73	30 - 150	4	0 - 40
86-30-6	n-Nitrosodiphenylamine	3270 ug/Kg	2410	74	60 - 120	4	0 - 40
85-01-8	Phenanthrene	3330 ug/Kg	2390	72	60 - 120	6	0 - 40
95-95-4	2,4,5-Trichlorophenol	3330 ug/Kg	2450	74	45 - 135	3	0 - 40
88-06-2	2,4,6-Trichlorophenol	3330 ug/Kg	2420	73	45 - 135	3	0 - 40
105-60-2	Caprolactam	3330 ug/Kg	2820	85	60 - 120	7	0 - 40
98-86-2	Acetophenone	3330 ug/Kg	2870	86	60 - 120	1	0 - 40
99-09-2	3-Nitroaniline	3330 ug/Kg	1460	44	30 - 150	7	0 - 40
100-01-6	4-Nitroaniline	3370 ug/Kg	1960	58	30 - 150	7	0 - 40
84-74-2	Di-n-butyl phthalate	3330 ug/Kg	2610	78	60 - 120	7	0 - 40
88-74-4	2-Nitroaniline	3330 ug/Kg	2410	72	30 - 150	4	0 - 40
91-58-7	2-Chloronaphthalene	3330 ug/Kg	2200	66	45 - 135	2	0 - 40
106-47-8	4-Chloroaniline	3330 ug/Kg	530	16 *	30 - 150	40	0 - 40
1912-24-9	Atrazine (Aatrex)	3330 ug/Kg	3140	94	60 - 120	5	0 - 40
100-52-7	Benzaldehyde	3330 ug/Kg	3970	119	60 - 120	4	0 - 40
92-52-4	Biphenyl	3330 ug/Kg	2750	83	60 - 120	4	0 - 40
1319-77-3MP	m,p-Cresol	3330 ug/Kg	2560	77	30 - 150	0	0 - 40
534-52-1	4,6-Dinitro-2-methylphenol	3330 ug/Kg	3140	94	60 - 120	4	0 - 40
108-95-2	Phenol	3330 ug/Kg	2410	72	43 - 114	0	0 - 33
95-57-8	2-Chlorophenol	3330 ug/Kg	2300	69	40 - 120	0	0 - 41
621-64-7	n-Nitrosodi-n-propylamine	3330 ug/Kg	2730	82	62 - 111	1	0 - 33
59-50-7	4-Chloro-3-methylphenol	3330 ug/Kg	2660	80	50 - 114	5	0 - 37
83-32-9	Acenaphthene	3330 ug/Kg	2400	72	48 - 126	3	0 - 25
100-02-7	4-Nitrophenol	3330 ug/Kg	2710	81	47 - 110	6	0 - 51
121-14-2	2,4-Dinitrotoluene	3330 ug/Kg	2510	75	43 - 148	3	0 - 38
87-86-5	Pentachlorophenol	3330 ug/Kg	2680	80	36 - 125	1	0 - 41
129-00-0	Pyrene	3330 ug/Kg	2880	86	38 - 143	4	0 - 31

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46410

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: T1424 Lab Sample ID: 46410

Instrument ID: MSSV3 Date Extracted: 06/20/02

Matrix: (soil/water) SOIL Date Analyzed: 06/20/02

Level:(low/med) LOW Time Analyzed: 1504

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46411	46411	T1425	06/20/02
02	046-BF-S-061	20206200201	T1426	06/20/02
03	46412	46412	T1427	06/20/02
04	46413	46413	T1428	06/20/02
05	046-RB-S-061	20206200202	T1429	06/20/02
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: T1200 DFTPP Injection Date: 06/03/02

Instrument ID: MSSV3 DFTPP Injection Time: 1147

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.2 (0.4)1
69	Mass 69 relative abundance	34.5
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	24.8
365	Greater than 1.0% of mass 198	1.88
441	Present, but less than mass 443	8.0
442	40.0 - 100.0% of mass 198	51.7
443	17.0 - 23.0% of mass 442	9.9 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	T1201	06/03/02	1231
02	SSTD010	SSTD010	T1202	06/03/02	1259
03	SSTD080	SSTD080	T1203	06/03/02	1325
04	SSTD120	SSTD120	T1204	06/03/02	1351
05	SSTD160	SSTD160	T1205	06/03/02	1418
06	SSTD200	SSTD200	T1206	06/03/02	1444
07	SSTD001	SSTD001	T1207	06/03/02	1510
08	SSTD00.2	SSTD00.2	T1208	06/03/02	1536
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: T1422 DFTPP Injection Date: 06/20/02

Instrument ID: MSSV3 DFTPP Injection Time: 1417

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	48.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.2
365	Greater than 1.0% of mass 198	1.97
441	Present, but less than mass 443	7.4
442	40.0 - 100.0% of mass 198	46.3
443	17.0 - 23.0% of mass 442	8.8 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	T1423	06/20/02	1434
02	46410	46410	T1424	06/20/02	1504
03	46411	46411	T1425	06/20/02	1530
04	046-BF-S-061	20206200201	T1426	06/20/02	1556
05	46412	46412	T1427	06/20/02	1622
06	46413	46413	T1428	06/20/02	1648
07	046-RB-S-061	20206200202	T1429	06/20/02	1714
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID (Standard): T1423 Date Analyzed: 06/20/02

Instrument ID: MSSV3 Time Analyzed: 1434

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	665413	4.38	2408001	5.63	1056976	7.61
	UPPER LIMIT	1330826	4.88	4816002	6.13	2113952	8.11
	LOWER LIMIT	332706	3.88	1204000	5.13	528488	7.11
	EPA SAMPLE NO.						
01	46410	834510	4.38	3080923	5.62	1380298	7.60
02	46411	765588	4.39	2741742	5.62	1176745	7.60
03	046-BF-S-061	788652	4.38	2833447	5.61	1248890	7.59
04	46412	806287	4.38	3109757	5.62	1406452	7.60
05	46413	779746	4.38	2951715	5.62	1372765	7.60
06	046-RB-S-061	793907	4.38	2983011	5.61	1404065	7.59
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID (Standard): T1423 Date Analyzed: 06/20/02

Instrument ID: MSSV3 Time Analyzed: 1434

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1426880	9.38	968359	12.58	810521	14.18
	UPPER LIMIT	2853760	9.88	1936718	13.08	1621042	14.68
	LOWER LIMIT	713440	8.88	484180	12.08	405260	13.68
	EPA SAMPLE NO.						
01	46410	1833899	9.37	1157301	12.57	864034	14.17
02	46411	1508011	9.38	962796	12.59	824427	14.18
03	046-BF-S-061	1622878	9.37	1029135	12.57	785029	14.17
04	46412	1870581	9.38	1056978	12.58	834600	14.18
05	46413	1822856	9.38	1042231	12.58	855014	14.18
06	046-RB-S-061	2042645	9.37	1360526	12.57	905523	14.17
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:56	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
95-95-4	2,4,5-Trichlorophenol	ND	383	26.7	ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	383	10.4	ug/Kg
120-83-2	2,4-Dichlorophenol	ND	383	11.8	ug/Kg
105-67-9	2,4-Dimethylphenol	ND	383	45.3	ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1920	7.00	ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	383	18.6	ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	383	21.1	ug/Kg
91-58-7	2-Chloronaphthalene	ND	383	30.9	ug/Kg
95-57-8	2-Chlorophenol	ND	383	62.8	ug/Kg
91-57-6	2-Methylnaphthalene	ND	383	41.1	ug/Kg
88-74-4	2-Nitroaniline	ND	1920	39.7	ug/Kg
88-75-5	2-Nitrophenol	ND	383	42.0	ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	767	359	ug/Kg
99-09-2	3-Nitroaniline	ND	1920	33.1	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1920	24.2	ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	383	18.9	ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	383	25.3	ug/Kg
106-47-8	4-Chloroaniline	ND	383	26.9	ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	383	9.41	ug/Kg
100-01-6	4-Nitroaniline	ND	1920	22.1	ug/Kg
100-02-7	4-Nitrophenol	ND	1920	7.42	ug/Kg
83-32-9	Acenaphthene	ND	383	21.6	ug/Kg
208-96-8	Acenaphthylene	ND	383	21.0	ug/Kg
98-86-2	Acetophenone	ND	383	383	ug/Kg
120-12-7	Anthracene	ND	383	7.25	ug/Kg
1912-24-9	Atrazine (Aatrex)	ND	767	383	ug/Kg
100-52-7	Benzaldehyde	ND	767	383	ug/Kg
56-55-3	Benzo(a)anthracene	ND	383	20.9	ug/Kg
50-32-8	Benzo(a)pyrene	ND	383	121	ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	383	14.8	ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	383	6.21	ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	383	13.1	ug/Kg
92-52-4	Biphenyl	ND	383	383	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	383	30.9	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	383	23.5	ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	383	18.1	ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	59.0J	383	13.5	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:56	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
85-68-7	Butyl benzyl phthalate	ND	383	10.6	ug/Kg
105-60-2	Caprolactam	ND	383	383	ug/Kg
86-74-8	Carbazole	ND	383	7.54	ug/Kg
218-01-9	Chrysene	ND	383	21.1	ug/Kg
84-74-2	Di-n-butyl phthalate	ND	383	35.3	ug/Kg
117-84-0	Di-n-octyl phthalate	ND	383	148	ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	383	7.15	ug/Kg
132-64-9	Dibenzofuran	ND	383	10.3	ug/Kg
84-66-2	Diethyl phthalate	ND	383	20.3	ug/Kg
131-11-3	Dimethyl phthalate	ND	383	7.05	ug/Kg
206-44-0	Fluoranthene	ND	383	8.19	ug/Kg
86-73-7	Fluorene	ND	383	9.69	ug/Kg
118-74-1	Hexachlorobenzene	ND	383	7.15	ug/Kg
87-68-3	Hexachlorobutadiene	ND	383	23.8	ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	383	37.5	ug/Kg
67-72-1	Hexachloroethane	ND	383	32.5	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	383	6.95	ug/Kg
78-59-1	Isophorone	ND	383	10.1	ug/Kg
91-20-3	Naphthalene	ND	383	16.1	ug/Kg
98-95-3	Nitrobenzene	ND	383	13.9	ug/Kg
87-86-5	Pentachlorophenol	ND	1920	15.8	ug/Kg
85-01-8	Phenanthrene	ND	383	20.6	ug/Kg
108-95-2	Phenol	ND	383	9.73	ug/Kg
129-00-0	Pyrene	ND	383	47.9	ug/Kg
1319-77-3MP	m,p-Cresol	ND	383	14.3	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	383	52.6	ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	383	12.8	ug/Kg
95-48-7	o-Cresol	ND	383	15.8	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:56	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	1670	1160 ug/Kg	70	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1110 ug/Kg	67	39 - 116
1718-51-0	Terphenyl-d14	1670	1310 ug/Kg	79	24 - 137
4165-62-2	Phenol-d5	3330	2410 ug/Kg	72	34 - 113
367-12-4	2-Fluorophenol	3330	2110 ug/Kg	63	44 - 106

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 15:56	RLW	146064

CAS #	TENTATIVELY IDENTIFIED COMP	RETENTION	RESULT	PQL	MDL	UNITS
	|No tics detected					ug/Kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1426.d
Lab Smp Id: 20206200201 Client Smp ID: 046-BF-S-0619-02
Inj Date : 20-JUN-2002 15:56
Operator : rlw Inst ID: MSSV3.i
Smp Info : 20206200201*CH2*@8270
Misc Info : 20206200201*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:51 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.329	3.297	(0.761)	1780420	63.4204	2110
$ 4 Phenol-d5	99	4.088	4.096	(0.934)	2152794	72.2277	2410
* 10 1,4-Dichlorobenzene-d4	152	4.375	4.335	(1.000)	788652	40.0000	
$ 19 Nitrobenzene-d5	82	4.894	4.910	(0.872)	679905	34.7009	1160
* 28 Naphthalene-d8	136	5.613	5.629	(1.000)	2833447	40.0000	
$ 37 2-Fluorobiphenyl	172	6.819	6.834	(0.898)	1454768	33.2363	1110
* 44 Acenaphthene-d10	164	7.593	7.609	(1.000)	1248890	40.0000	
$ 57 2,4,6-Tribromophenol	332	8.535	8.551	(1.124)	306130	67.8141	2260
* 61 Phenanthrene-d10	188	9.366	9.381	(1.000)	1622878	40.0000	
$ 70 Terphenyl-d14	244	11.322	11.330	(0.901)	1035663	39.2842	1310
* 74 Chrysene-d12	240	12.568	12.583	(1.000)	1029135	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	12.639	12.655	(1.006)	47995	1.52270	50.8
* 81 Perylene-d12	264	14.172	14.180	(1.000)	785029	40.0000	

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1426.d
Lab Smp Id: 20206200201 Client Smp ID: 046-BF-S-0619-02
Inj Date : 20-JUN-2002 15:56
Operator : rlw Inst ID: MSSV3.i
Smp Info : 20206200201*CH2*@8270
Misc Info : 20206200201*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:58 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

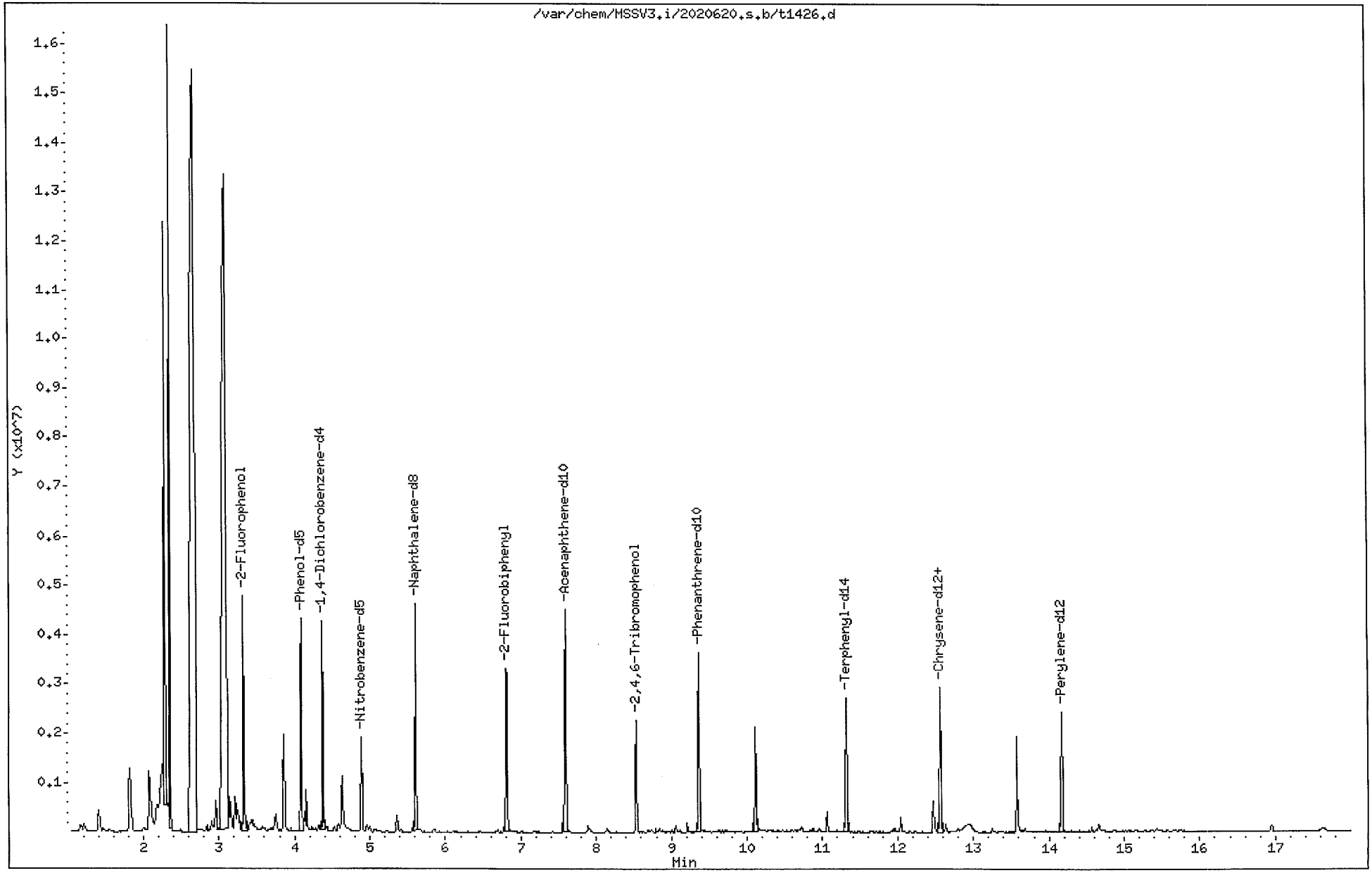
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

000198

Data File: /var/chem/MSSV3.i/2020620.s.b/t1426.d
Date : 20-JUN-2002 15:56
Client ID: 046-BF-S-0619-02
Sample Info: 20206200201*CH2*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Data File: /var/chem/MSSV3.i/2020620.s.b/t1426.d

Date : 20-JUN-2002 15:56

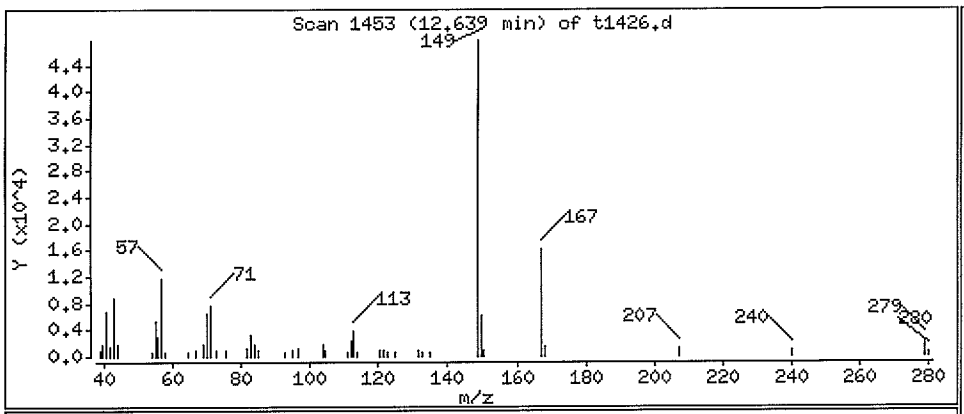
Client ID: 046-BF-S-0619-02 Instrument: MSSV3.i

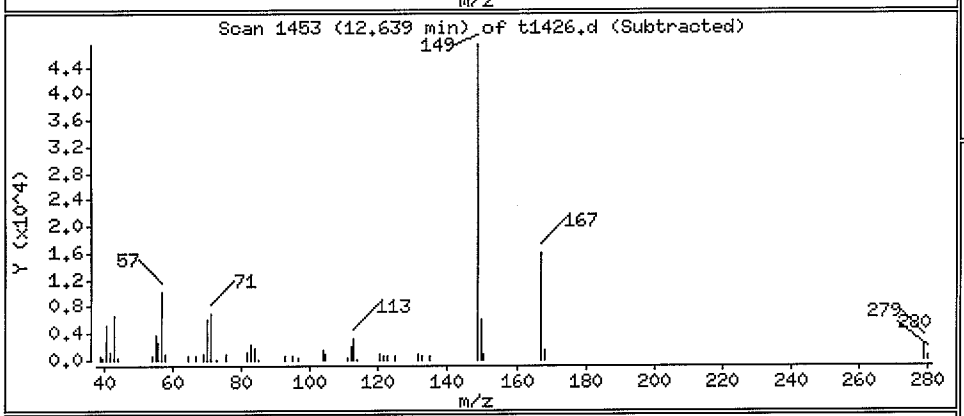
Sample Info: 20206200201*CH2*@8270

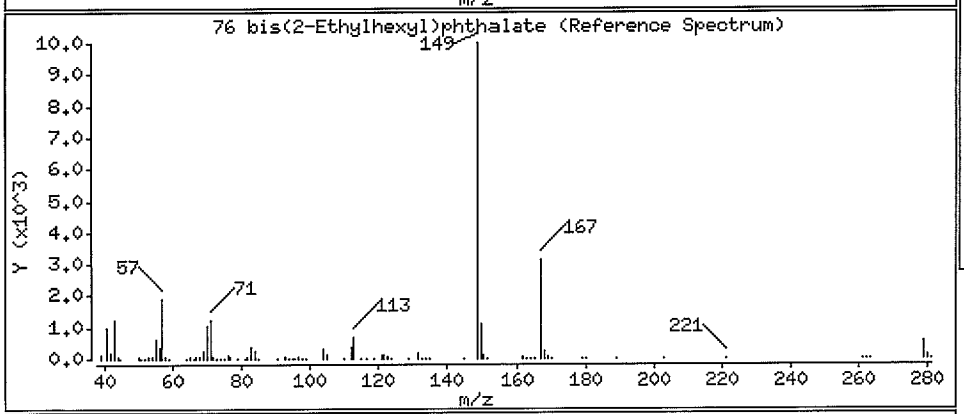
Volume Injected (uL): 1.0 Operator: rlw

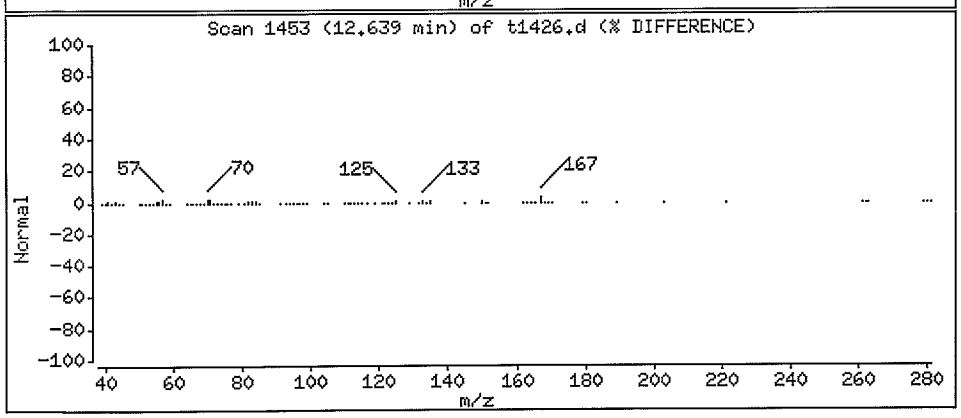
Column phase: DB-5MS-30M Column diameter: 0.25

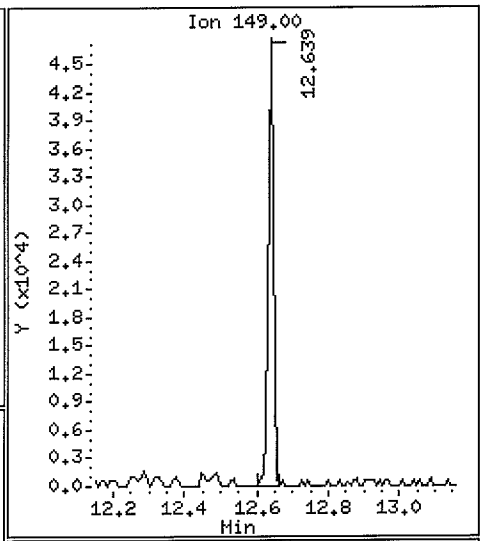
76 bis(2-Ethylhexyl)phthalate Concentration: 50.8 ug/Kg

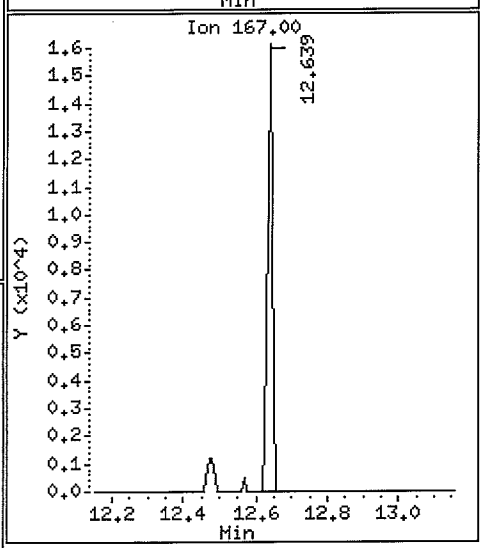












GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 17:14	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
95-95-4	2,4,5-Trichlorophenol	ND	362	25.2	ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	362	9.82	ug/Kg
120-83-2	2,4-Dichlorophenol	ND	362	11.2	ug/Kg
105-67-9	2,4-Dimethylphenol	ND	362	42.8	ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1810	6.61	ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	362	17.5	ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	362	20.0	ug/Kg
91-58-7	2-Chloronaphthalene	ND	362	29.2	ug/Kg
95-57-8	2-Chlorophenol	ND	362	59.3	ug/Kg
91-57-6	2-Methylnaphthalene	ND	362	38.8	ug/Kg
88-74-4	2-Nitroaniline	ND	1810	37.5	ug/Kg
88-75-5	2-Nitrophenol	ND	362	39.7	ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	724	339	ug/Kg
99-09-2	3-Nitroaniline	ND	1810	31.2	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1810	22.8	ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	362	17.9	ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	362	23.9	ug/Kg
106-47-8	4-Chloroaniline	ND	362	25.4	ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	362	8.88	ug/Kg
100-01-6	4-Nitroaniline	ND	1810	20.8	ug/Kg
100-02-7	4-Nitrophenol	ND	1810	7.00	ug/Kg
83-32-9	Acenaphthene	ND	362	20.4	ug/Kg
208-96-8	Acenaphthylene	ND	362	19.8	ug/Kg
98-86-2	Acetophenone	ND	362	362	ug/Kg
120-12-7	Anthracene	ND	362	6.84	ug/Kg
1912-24-9	Atrazine (Aatrex)	ND	724	362	ug/Kg
100-52-7	Benzaldehyde	ND	724	362	ug/Kg
56-55-3	Benzo(a)anthracene	ND	362	19.7	ug/Kg
50-32-8	Benzo(a)pyrene	ND	362	114	ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	362	13.9	ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	362	5.86	ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	362	12.4	ug/Kg
92-52-4	Biphenyl	ND	362	362	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	362	29.2	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	362	22.1	ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	362	17.1	ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	362	12.7	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 17:14	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
85-68-7	Butyl benzyl phthalate	ND	362	10.0	ug/Kg
105-60-2	Caprolactam	ND	362	362	ug/Kg
86-74-8	Carbazole	ND	362	7.11	ug/Kg
218-01-9	Chrysene	ND	362	20.0	ug/Kg
84-74-2	Di-n-butyl phthalate	ND	362	33.3	ug/Kg
117-84-0	Di-n-octyl phthalate	ND	362	140	ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	362	6.75	ug/Kg
132-64-9	Dibenzofuran	ND	362	9.76	ug/Kg
84-66-2	Diethyl phthalate	ND	362	19.2	ug/Kg
131-11-3	Dimethyl phthalate	ND	362	6.65	ug/Kg
206-44-0	Fluoranthene	ND	362	7.73	ug/Kg
86-73-7	Fluorene	ND	362	9.14	ug/Kg
118-74-1	Hexachlorobenzene	ND	362	6.75	ug/Kg
87-68-3	Hexachlorobutadiene	ND	362	22.5	ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	362	35.4	ug/Kg
67-72-1	Hexachloroethane	ND	362	30.7	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	362	6.56	ug/Kg
78-59-1	Isophorone	ND	362	9.57	ug/Kg
91-20-3	Naphthalene	ND	362	15.2	ug/Kg
98-95-3	Nitrobenzene	ND	362	13.2	ug/Kg
87-86-5	Pentachlorophenol	ND	1810	14.9	ug/Kg
85-01-8	Phenanthrene	ND	362	19.4	ug/Kg
108-95-2	Phenol	ND	362	9.19	ug/Kg
129-00-0	Pyrene	ND	362	45.2	ug/Kg
1319-77-3MP	m,p-Cresol	ND	362	13.5	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	362	49.7	ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	362	12.1	ug/Kg
95-48-7	o-Cresol	ND	362	14.9	ug/Kg

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 17:14	RLW	145931

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
4165-60-0	Nitrobenzene-d5	1670	1290 ug/Kg	77	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1160 ug/Kg	70	39 - 116
1718-51-0	Terphenyl-d14	1670	1470 ug/Kg	88	24 - 137
4165-62-2	Phenol-d5	3330	2690 ug/Kg	81	34 - 113
367-12-4	2-Fluorophenol	3330	2400 ug/Kg	72	44 - 106

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8270C, SemiVolatiles, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 17:14	RLW	146064

CAS #	TENTATIVELY IDENTIFIED COMP	RETENTION	RESULT	PQL	MDL	UNITS
	|No tics detected					ug/Kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1429.d
Lab Smp Id: 20206200202 Client Smp ID: 046-RB-S-0619-02
Inj Date : 20-JUN-2002 17:14
Operator : rlw Inst ID: MSSV3.i
Smp Info : 20206200202*CH2*@8270
Misc Info : 20206200202*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:51 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.324	3.297	(0.759)	2034590	71.9945	2400
$ 4 Phenol-d5	99	4.082	4.096	(0.932)	2421338	80.6998	2690
* 10 1,4-Dichlorobenzene-d4	152	4.378	4.335	(1.000)	793907	40.0000	
$ 19 Nitrobenzene-d5	82	4.889	4.910	(0.872)	796790	38.6275	1290
* 28 Naphthalene-d8	136	5.607	5.629	(1.000)	2983011	40.0000	
$ 37 2-Fluorobiphenyl	172	6.813	6.834	(0.898)	1707896	34.7071	1160
* 44 Acenaphthene-d10	164	7.587	7.609	(1.000)	1404065	40.0000	
$ 57 2,4,6-Tribromophenol	332	8.538	8.551	(1.125)	400307	78.8759	2630
* 61 Phenanthrene-d10	188	9.368	9.381	(1.000)	2042645	40.0000	
$ 70 Terphenyl-d14	244	11.324	11.330	(0.901)	1535981	44.0708	1470
* 74 Chrysene-d12	240	12.570	12.583	(1.000)	1360526	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	14.175	14.180	(1.000)	905523	40.0000	

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1429.d
Lab Smp Id: 20206200202 Client Smp ID: 046-RB-S-0619-02
Inj Date : 20-JUN-2002 17:14
Operator : rlw Inst ID: MSSV3.i
Smp Info : 20206200202*CH2*@8270
Misc Info : 20206200202*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:58 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

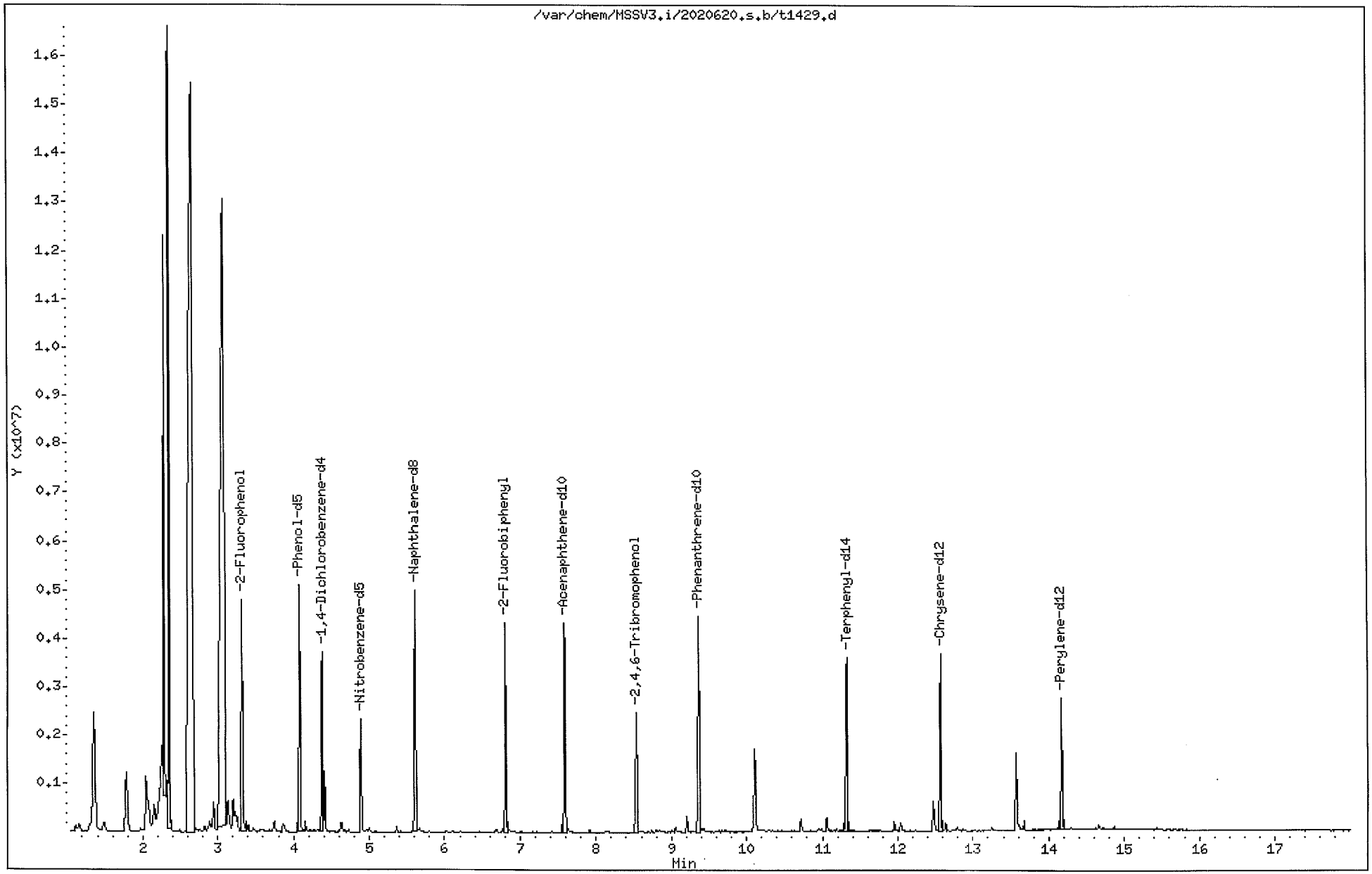
- NO TENTATIVELY IDENTIFIED COMPOUNDS -

000207

Data File: /var/chem/MSSV3.i/2020620.s.b/t1429.d
Date : 20-JUN-2002 17:14
Client ID: 046-RB-S-0619-02
Sample Info: 20206200202*CH2*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF10 =T1202 RRF50 =T1201
RRF80 =T1203 RRF120=T1204 RRF160=T1205

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol + *	2.016	1.622	1.501	1.429	1.394		*
bis(-2-Chloroethyl)Ether *	1.065	0.965	0.940	0.946	0.931		*
2-Chlorophenol *	1.792	1.579	1.523	1.531	1.476		*
1,3-Dichlorobenzene *	1.995	1.703	1.611	1.573	1.477		*
1,4-Dichlorobenzene + *	1.982	1.674	1.577	1.513	1.385		*
1,2-Dichlorobenzene *	1.896	1.558	1.422	1.336	1.229		*
2-Methylphenol *	1.463	1.211	1.142	1.123	1.059		*
Bis(2-chloroisopropyl)ether *	3.032	2.468	2.358	2.255	2.094		*
3- & 4-Methylphenol *	1.456	1.066	0.984	0.988	0.941		*
N-Nitroso-di-n-propylamine++ *	0.842	0.672	0.650	0.675	0.640		*
Hexachloroethane *	0.605	0.526	0.503	0.486	0.451		*
Nitrobenzene *	0.307	0.261	0.258	0.253	0.248		*
Isophorone *	0.661	0.588	0.587	0.582	0.548		*
2-Nitrophenol + *	0.274	0.240	0.236	0.236	0.216		*
2,4-Dimethyphenol *	0.366	0.292	0.299	0.286	0.283		*
2,4-Dichlorophenol + *	0.330	0.291	0.286	0.278	0.254		*
1,2,4-Trichlorobenzene *	0.335	0.286	0.278	0.271	0.264		*
Naphthalene *	1.323	1.091	1.029	0.990	0.927		*
4-Chloroaniline *	0.505	0.386	0.382	0.361	0.340		*
bis(-2-Chloroethoxy)methane *	0.481	0.398	0.396	0.383	0.369		*
Hexachlorobutadiene + *	0.159	0.139	0.130	0.126	0.120		*
4-Chloro-3-Methylphenol + *	0.293	0.256	0.249	0.245	0.227		*
2-Methylnaphthalene *	0.857	0.696	0.648	0.614	0.580		*
Hexachlorocyclopentadiene ++ *	0.346	0.340	0.335	0.341	0.339		*
2,4,6-Trichlorophenol + *	0.401	0.370	0.360	0.373	0.372		*
2,4,5-Trichlorphenol *	0.427	0.407	0.392	0.394	0.361		*
2-Chloronaphthalene *	1.593	1.295	1.225	1.195	1.134		*
2-Nitroaniline *	0.648	0.582	0.572	0.579	0.578		*
Dimethylphthalate *	1.668	1.438	1.402	1.428	1.417		*
Acenaphthylene *	2.661	2.240	2.130	2.114	2.065		*
2,6-Dinitrotoluene *	0.434	0.388	0.380	0.386	0.377		*
3-Nitroaniline *	0.515	0.423	0.400	0.407	0.385		*
Acenaphthene + *	1.692	1.376	1.296	1.292	1.242		*
2,4-Dinitrophenol ++ *		0.116	0.145	0.175	0.199		*
4-Nitrophenol ++ *	0.072	0.087	0.086	0.088	0.084		*
Dibenzofuran *	2.076	1.694	1.618	1.606	1.517		*
2,4-Dinitrotoluene *	0.549	0.466	0.449	0.457	0.446		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF10 =T1202 RRF50 =T1201
RRF80 =T1203 RRF120=T1204 RRF160=T1205

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate *	1.684	1.434	1.367	1.378	1.357		*
4-Chlorophenyl-phenylether *	0.657	0.509	0.462	0.433	0.396		*
Fluorene *	1.660	1.292	1.188	1.131	1.052		*
4-Nitroaniline *	0.423	0.412	0.405	0.410	0.395		*
4,6-Dinitro-o-cresol *	0.063	0.165	0.176	0.191	0.194		*
N-nitrosodiphenylamine (1)+ *	0.828	0.717	0.673	0.664	0.645		*
4-Bromophenyl-phenylether *	0.242	0.213	0.204	0.201	0.196		*
Hexachlorobenzene *	0.300	0.252	0.238	0.232	0.224		*
Pentachlorophenol + *	0.113	0.163	0.156	0.160	0.162		*
Phenanthrene *	1.444	1.231	1.173	1.132	1.078		*
Anthracene *	1.469	1.241	1.169	1.140	1.068		*
Di-n-butylphthalate *	1.953	1.706	1.583	1.549	1.522		*
Fluoranthene + *	1.242	1.054	1.010	0.986	0.946		*
Pyrene *	1.858	1.597	1.471	1.451	1.387		*
Butylbenzylphthalate *	1.065	0.986	0.940	0.926	0.900		*
3,3'-Dichlorobenzidine *	0.557	0.477	0.423	0.383	0.339		*
Benzo(a)anthracene *	1.493	1.315	1.231	1.205	1.178		*
Chrysene *	1.499	1.314	1.191	1.104	0.992		*
bis(2-Ethylhexyl)phthalate *	1.410	1.313	1.189	1.012	0.916		*
Di-n-octylphthalate + *	2.375	2.290	2.185	2.221	2.134		*
Benzo(b)fluoranthene *	1.975	1.567	1.729	1.639	1.851		*
Benzo(k)fluoranthene *	1.881	1.661	1.421	1.390	0.987		*
Benzo(a)pyrene + *	1.743	1.495	1.420	1.385	1.350		*
Indeno(1,2,3-cd)pyrene *	2.410	2.059	1.986	1.925	1.842		*
Dibenzo(a,h)anthracene *	2.043	1.665	1.522	1.469	1.443		*
Benzo(g,h,i)perylene *	2.046	1.810	1.763	1.730	1.699		*
Pyridine *	1.498	1.344	1.396	1.492	1.424		*
n-Nitrosodimethylamine *	0.508	0.513	0.521	0.530	0.516		*
Aniline *	2.064	1.464	1.478	1.398	1.261		*
Benzyl alcohol *	1.024	0.868	0.793	0.780	0.760		*
Benzidine *		0.147	0.199	0.138	0.071		*
Azobenzene *	1.975	1.698	1.586	1.705	1.523		*
Benzoic Acid *		1.218	0.322	0.487	0.512		*
Total Methylphenol *	2.919	2.277	2.126	2.111	2.000		*
Carbazole *	1.351	1.148	1.110	1.105	1.069		*
Acetophenone *	0.928	1.421	1.348	1.364	1.302		*
1-Methylnaphthalene *	0.857	0.697	0.648	0.614	0.580		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF10 =T1202 RRF50 =T1201
RRF80 =T1203 RRF120=T1204 RRF160=T1205

COMPOUND	RRF10	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde *	0.856	0.603	0.465	0.335	0.251		*
Caprolactam *	0.114	0.104	0.110	0.109	0.102		*
Biphenyl *	3.362	2.745	2.445	2.369	2.031		*
Atrazine *	0.200	0.141	0.148	0.148	0.137		*
Nitrobenzene-d5	0.309	0.272	0.269	0.270	0.261		*
2-Fluorobiphenyl *	1.555	1.333	1.297	1.279	1.252		*
Terphenyl-d14 *	1.210	1.027	0.935	0.912	0.892		*
Phenol-d5 *	1.843	1.567	1.483	1.433	1.322		*
2-Fluorophenol *	1.610	1.430	1.403	1.412	1.383		*
2,4,6-Tribromophenol *	0.176	0.160	0.152	0.148	0.143		*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF200=T1206 RRF25 =
RRF1 =T1207 RRF0.2=T1208

COMPOUND	RRF200	RRF25	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Phenol +	* 1.424		1.976	1.828		1.649	15.5*
bis(-2-Chloroethyl)Ether	* 0.954		1.092	1.213		1.013	10.0*
2-Chlorophenol	* 1.492					1.566	7.4*
1,3-Dichlorobenzene	* 1.469					1.638	11.9*
1,4-Dichlorobenzene +	* 1.331					1.577	14.9*
1,2-Dichlorobenzene	* 1.212					1.442	17.8*
2-Methylphenol	* 1.087					1.181	12.5*
Bis(2-chloroisopropyl)ether	* 2.077					2.381	14.8*
3- & 4-Methylphenol	* 0.928					1.060	18.8*
N-Nitroso-di-n-propylamine++	* 0.596					0.679	12.5*
Hexachloroethane	* 0.404					0.496	13.8*
Nitrobenzene	* 0.243					0.262	8.8*
Isophorone	* 0.539		0.696	0.630		0.604	9.0*
2-Nitrophenol +	* 0.223		0.218			0.235	8.3*
2,4-Dimethyphenol	* 0.288					0.302	10.5*
2,4-Dichlorophenol +	* 0.251		0.309			0.286	9.9*
1,2,4-Trichlorobenzene	* 0.265					0.283	9.4*
Naphthalene	* 0.886					1.041	15.0*
4-Chloroaniline	* 0.344					0.386	15.8*
bis(-2-Chloroethoxy)methane	* 0.365					0.399	10.7*
Hexachlorobutadiene +	* 0.117		0.169	0.119		0.135	14.4*
4-Chloro-3-Methylphenol +	* 0.228		0.256			0.250	8.8*
2-Methylnaphthalene	* 0.555					0.658	16.6*
Hexachlorocyclopentadiene ++	* 0.333		0.220			0.322	14.0*
2,4,6-Trichlorophenol +	* 0.384		0.313			0.368	7.4*
2,4,5-Trichlorphenol	* 0.384		0.313			0.382	9.6*
2-Chloronaphthalene	* 1.074		1.623	1.608		1.343	17.0*
2-Nitroaniline	* 0.576		0.514			0.578	6.7*
Dimethylphthalate	* 1.425		1.726	1.659		1.520	9.0*
Acenaphthylene	* 1.973					2.197	11.1*
2,6-Dinitrotoluene	* 0.377		0.380			0.389	5.2*
3-Nitroaniline	* 0.381					0.418	11.9*
Acenaphthene +	* 1.203					1.350	13.1*
2,4-Dinitrophenol ++	* 0.212					0.169	23.1*
4-Nitrophenol ++	* 0.082					0.083	7.0*
Dibenzofuran	* 1.433					1.657	13.5*
2,4-Dinitrotoluene	* 0.444		0.472			0.469	7.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF200=T1206 RRF25 =
RRF1 =T1207 RRF0.2=T1208

COMPOUND	RRF200	RRF25	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Diethylphthalate *	1.335					1.426	9.2*
4-Chlorophenyl-phenylether *	0.368					0.471	22.0*
Fluorene *	1.009					1.222	19.4*
4-Nitroaniline *	0.380					0.404	3.7*
4,6-Dinitro-o-cresol *	0.188					0.163	30.7*
N-nitrosodiphenylamine (1)+ *	0.619		0.852	0.702		0.712	11.9*
4-Bromophenyl-phenylether *	0.192					0.208	8.6*
Hexachlorobenzene *	0.220		0.320	0.346		0.266	18.2*
Pentachlorophenol + *	0.157					0.152	12.6*
Phenanthrene *	1.073		1.656			1.255	17.3*
Anthracene *	1.042		1.669	1.511		1.289	18.0*
Di-n-butylphthalate *	1.396		1.906	1.728		1.668	11.6*
Fluoranthene + *	0.932					1.028	11.0*
Pyrene *	1.435					1.533	11.3*
Butylbenzylphthalate *	0.938		0.996	0.818		0.946	7.7*
3,3'-Dichlorobenzidine *	0.313					0.415	21.9*
Benzo(a)anthracene *	1.157		1.741	2.211		1.441	25.6*
Chrysene *	0.988		1.648	1.641		1.297	21.0*
bis(2-Ethylhexyl)phthalate *	0.799		1.555	1.606		1.225	24.3*
Di-n-octylphthalate + *	2.147		2.494	2.170		2.252	5.6*
Benzo(b)fluoranthene *	1.774		2.287	2.025		1.856	12.6*
Benzo(k)fluoranthene *	0.980		2.287	2.025		1.579	30.0*
Benzo(a)pyrene + *	1.330		1.926	1.554		1.525	13.8*
Indeno(1,2,3-cd)pyrene *	1.643		2.330	1.903		2.012	12.6*
Dibenzo(a,h)anthracene *	1.450		2.041	1.488		1.640	15.7*
Benzo(g,h,i)perylene *	1.669		1.932	1.597		1.781	8.2*
Pyridine *	1.489					1.440	4.4*
n-Nitrosodimethylamine *	0.516					0.517	1.5*
Aniline *	1.067					1.455	23.1*
Benzyl alcohol *	0.758					0.830	12.4*
Benzidine *	0.047					0.120	50.8*
Azobenzene *	1.479					1.661	10.8*
Benzoic Acid *	0.497					0.607	57.6*
Total Methylphenol *	2.015					2.241	15.5*
Carbazole *	1.060					1.140	9.4*
Acetophenone *				1.702		1.344	18.5*
1-Methylnaphthalene *	0.555					0.658	16.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date(s): 06/03/02 06/03/02

Calibration Time(s): 1231 1536

LAB FILE ID: RRF200=T1206 RRF25 =
RRF1 =T1207 RRF0.2=T1208

COMPOUND	RRF200	RRF25	RRF1	RRF0.2		$\overline{RRF}$	% RSD
Benzaldehyde	* 0.186					0.449	55.5*
Caprolactam	* 0.111					0.108	4.5*
Biphenyl	* 2.004					2.493	20.4*
Atrazine	* 0.136					0.152	16.0*
Nitrobenzene-d5	0.261		0.312	0.259		0.277	7.8*
2-Fluorobiphenyl	* 1.173		1.683	1.644		1.402	13.9*
Terphenyl-d14	* 0.881		1.258	1.081		1.024	14.3*
Phenol-d5	* 1.317		1.816	1.312		1.512	14.3*
2-Fluorophenol	* 1.462		1.484	1.206		1.424	7.9*
2,4,6-Tribromophenol	* 0.140		0.093			0.144	17.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

Data File: /var/chem/MSSV3.i/2020603.s.b/t1200.d

Date : 03-JUN-2002 11:47

Client ID: 3-18-4

Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

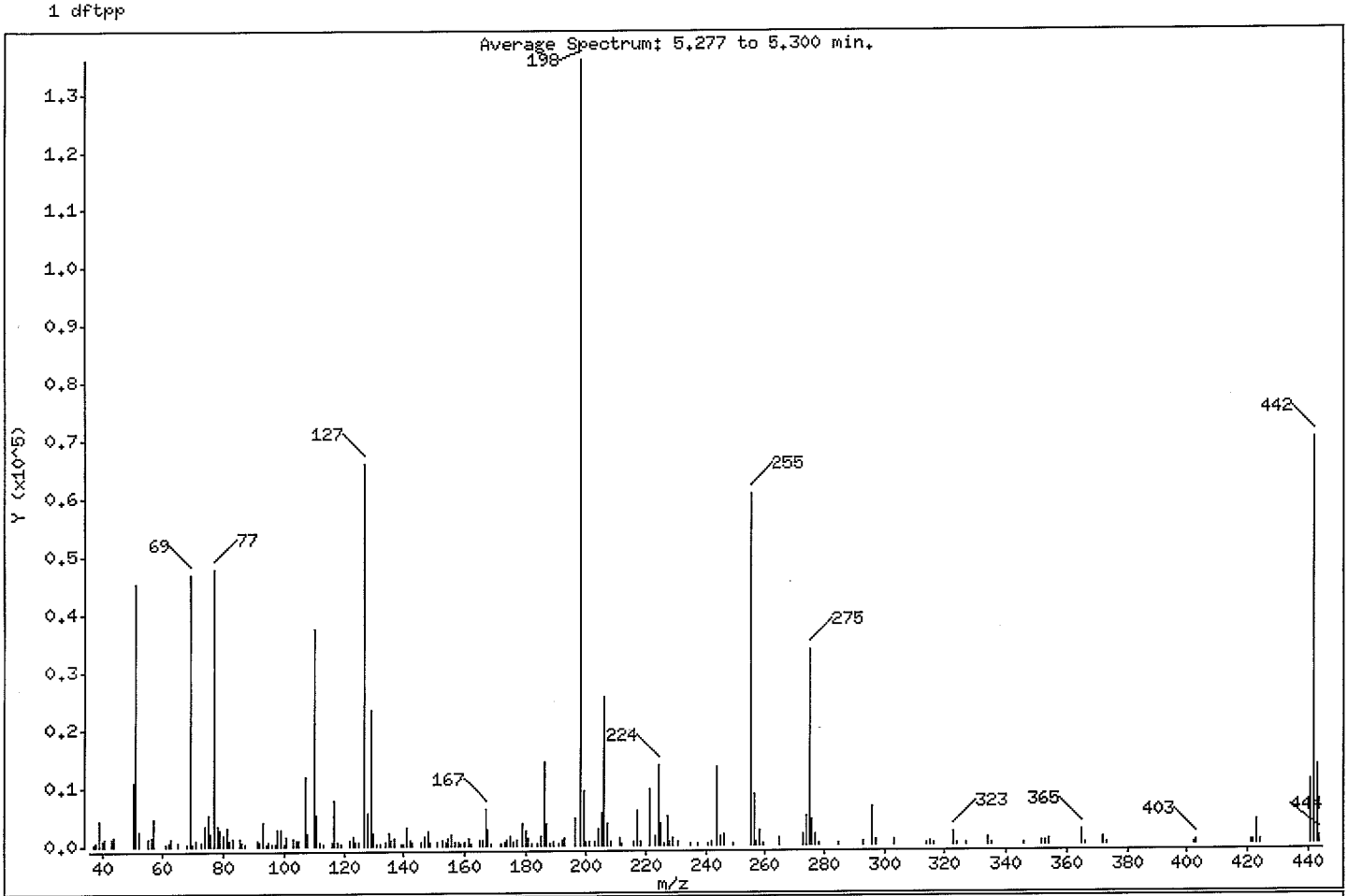
Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.34
68	Less than 2.00% of mass 69	0.15 (0.45)
69	Mass 69 relative abundance	34.46
70	Less than 2.00% of mass 69	0.16 (0.48)
127	40.00 - 60.00% of mass 198	48.62
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.92
275	10.00 - 30.00% of mass 198	24.82
365	Greater than 1.00% of mass 198	1.88
441	Present, but less than mass 443	8.05
442	40.00 - 100.00% of mass 198	51.66
443	17.00 - 23.00% of mass 442	9.90 (19.17)

Data File: /var/chem/MSSV3.i/2020603.s.b/t1200.d

Date : 03-JUN-2002 11:47

Client ID: 3-18-4

Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00

Data File: t1200.d
Spectrum: Average Spectrum: 5.277 to 5.300 min.
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	175	107.00	11976	172.00	458	245.00	1706
38.00	624	108.00	2184	173.00	482	246.00	1822
39.00	4353	110.00	37672	174.00	1031	249.00	466
40.00	877	111.00	5246	175.00	1615	255.00	60568
41.00	1170	112.00	564	176.00	779	256.00	8860
43.00	1259	113.00	170	177.00	979	257.00	592
44.00	1574	116.00	716	179.00	3876	258.00	2614
50.00	10958	117.00	7886	180.00	2534	259.00	378
51.00	45280	118.00	663	181.00	1131	265.00	1107
52.00	2372	119.00	193	182.00	176	273.00	1908
55.00	1097	122.00	994	184.00	199	274.00	4991
56.00	1510	123.00	1472	185.00	1644	275.00	33704
57.00	4592	124.00	734	186.00	14442	276.00	4412
61.00	211	125.00	739	187.00	3861	277.00	1890
62.00	499	127.00	66040	188.00	376	278.00	184
63.00	1387	128.00	5497	189.00	754	285.00	383
65.00	752	129.00	23472	191.00	250	293.00	486
68.00	210	130.00	2036	192.00	960	296.00	6435
69.00	46808	131.00	372	193.00	1109	297.00	823
70.00	223	132.00	173	196.00	4638	303.00	826
71.00	1070	134.00	628	198.00	135808	314.00	177
73.00	500	135.00	2051	199.00	9404	315.00	645
74.00	3415	136.00	807	200.00	544	316.00	205
75.00	5449	137.00	1228	201.00	704	323.00	2310
76.00	2124	139.00	180	203.00	536	324.00	420
77.00	47984	140.00	208	204.00	2937	327.00	403
78.00	3409	141.00	2993	205.00	5611	334.00	1325
79.00	2739	142.00	1048	206.00	25632	335.00	391
80.00	1947	143.00	663	207.00	3698	346.00	335
81.00	3045	146.00	543	208.00	694	352.00	627
82.00	901	147.00	1470	211.00	1352	353.00	521
83.00	1182	148.00	2640	212.00	189	354.00	807
85.00	1295	149.00	717	216.00	518	365.00	2558
86.00	765	151.00	482	217.00	5857	366.00	235
87.00	193	153.00	945	218.00	767	372.00	1256

Data File: /var/chem/MSSV3.i/2020603.s.b/t1200.d

Date : 03-JUN-2002 11:47

Client ID: 3-18-4

Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00

Data File: t1200.d
Spectrum: Average Spectrum: 5.277 to 5.300 min.
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1010	154.00	638	221.00	9557	373.00	181
92.00	681	155.00	1345	223.00	1448	402.00	288
93.00	4043	156.00	2025	224.00	13673	403.00	615
94.00	215	157.00	535	225.00	3827	421.00	578
95.00	606	158.00	566	226.00	373	422.00	609
96.00	180	159.00	400	227.00	5018	423.00	4042
97.00	429	160.00	748	228.00	643	424.00	766
98.00	2891	161.00	1132	229.00	1184	441.00	10934
99.00	2838	162.00	194	231.00	602	442.00	70168
100.00	182	165.00	984	235.00	392	443.00	13450
101.00	1698	166.00	916	237.00	450	444.00	1341
103.00	1101	167.00	6357	241.00	351		
104.00	920	168.00	2719	242.00	650		
105.00	950	169.00	389	244.00	13373		

Data File: /var/chem/MSSV3.i/2020603.s.b/t1200.d

Date : 03-JUN-2002 11:47

Client ID: 3-18-4

Instrument: MSSV3.i

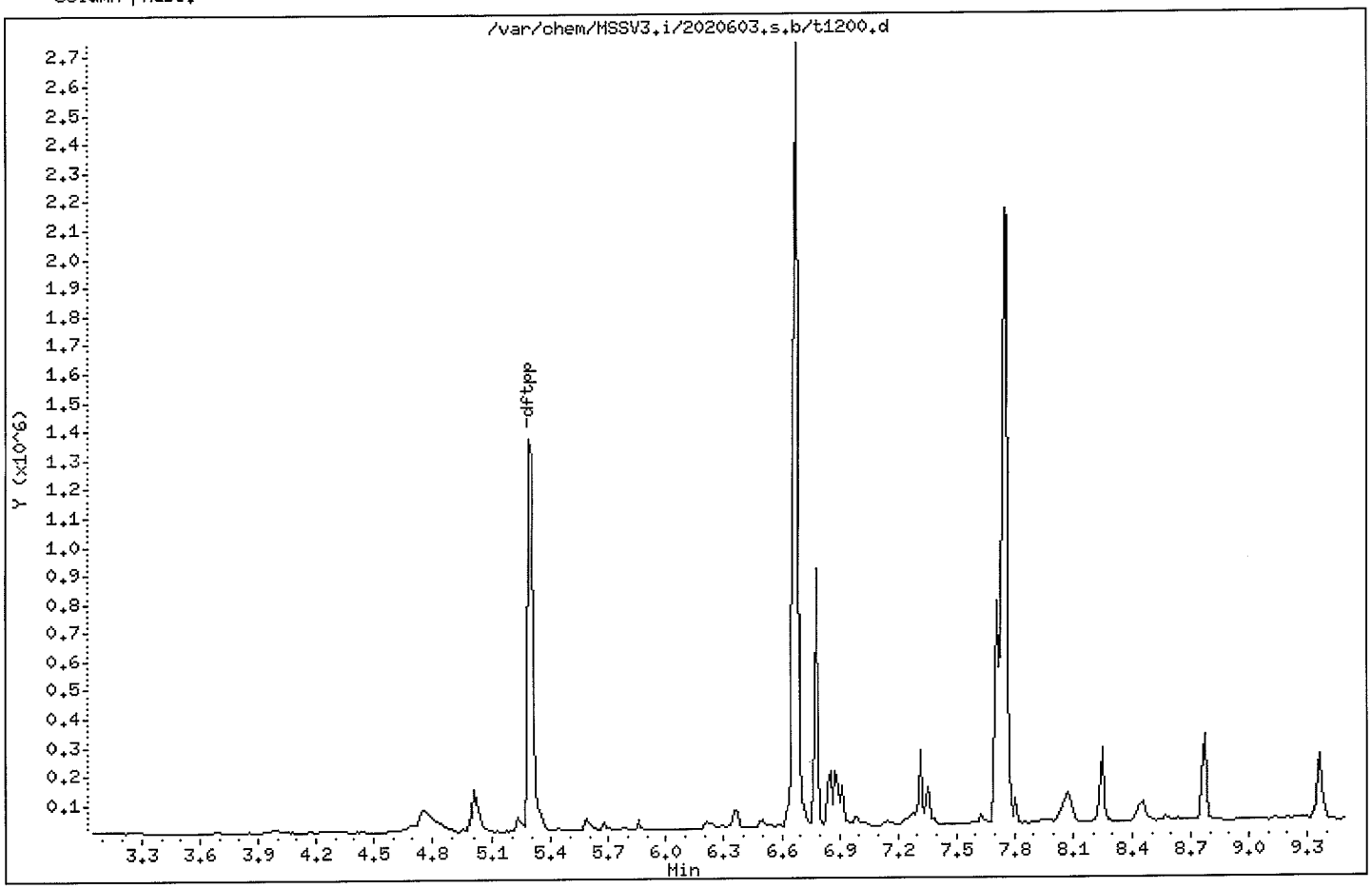
Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/MSSV3.i/2020603.s.b/t1200C.d
Lab Smp Id: DFTPP
Client Smp ID: 3-18-4
Inj Date : 03-JUN-2002 11:47
Operator : rlw
Inst ID: MSSV3.i
Smp Info : DFTPP*3-18-4
Misc Info : DFTPP*3-18-4
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/dftppc_03.m
Meth Date : 22-Mar-2002 15:26 dlb
Quant Type: AREA%
Cal Date :
Cal File:
Als bottle: 1
QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 3.50
Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable
Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
4.755	564533	72613	0.129	3.65	
5.004	326077	145274	0.446	2.11	
5.289	2388609	1340606	0.561	15.46	
6.675	4038410	2687245	0.665	26.14	
6.782	1067880	890512	0.834	6.91	
6.877	738801	186938	0.253	4.78	
7.351	118547	96882	0.817	0.77	
7.742	5110129	2135004	0.418	33.07	5 4,4DDD
8.074	309929	97211	0.314	2.01	
8.252	360534	258284	0.716	2.33	
8.773	428408	298304	0.696	2.77	
	15451857	8208873		100.000	

Total unknown % area = 67

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1208.d
Lab Smp Id: SSTD00.2 Client Smp ID: SSTD00.2
Inj Date : 03-JUN-2002 15:36
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD00.2*3-29-8
Misc Info : SSTD00.2*3-29-8
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:15 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 15:36 Cal File: t1208.d
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$ 3 2-Fluorophenol	112	3.459	3.459	(0.761)	3928	0.20000	0.169(a)
$ 4 Phenol-d5	99	4.242	4.242	(0.933)	4273	0.20000	0.174(a)
5 Aniline	93	4.274	4.274	(0.940)	4645	0.20000	0.196(a)
6 Phenol +	94	4.258	4.258	(0.937)	5953	0.20000	0.222(a)
7 bis(-2-Chloroethyl)Ether	63	4.313	4.313	(0.949)	3948	0.20000	0.239(a)
8 2-Chlorophenol	128	4.369	4.369	(0.961)	4752	0.20000	0.186(a)
9 1,3-Dichlorobenzene	146	4.497	4.497	(0.989)	6363	0.20000	0.239(a)
* 10 1,4-Dichlorobenzene-d4	152	4.545	4.545	(1.000)	651130	40.0000	
11 1,4-Dichlorobenzene +	146	4.561	4.561	(1.004)	6467	0.20000	0.252(a)
13 1,2-Dichlorobenzene	146	4.705	4.705	(1.035)	5515	0.20000	0.235(a)
14 Bis(2-chloroisopropyl)ether	45	4.793	4.793	(1.054)	9527	0.20000	0.246(a)
15 2-Methylphenol	108	4.785	4.785	(1.053)	4198	0.20000	0.218(a)
17 3- & 4-Methylphenol	108	4.936	4.936	(1.086)	3648	0.20000	0.211(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$	19 Nitrobenzene-d5	82	5.072	5.072	(0.875)	3017	0.20000	0.188(a)
	21 Isophorone	82	5.328	5.328	(0.919)	7335	0.20000	0.209(a)
	23 2,4-Dimethyphenol	107	5.455	5.455	(0.941)	3476	0.20000	0.198(a)
	24 bis(-2-Chloroethoxy)methane	93	5.543	5.543	(0.956)	5094	0.20000	0.220(a)
	27 1,2,4-Trichlorobenzene	180	5.743	5.743	(0.990)	4099	0.20000	0.249(a)
*	28 Naphthalene-d8	136	5.799	5.799	(1.000)	2326829	40.0000	
	29 Naphthalene	128	5.823	5.823	(1.004)	16559	0.20000	0.273(a)
	30 4-Chloroaniline	127	5.894	5.894	(1.017)	4436	0.20000	0.197(a)
	31 Hexachlorobutadiene +	225	5.950	5.950	(1.026)	1389	0.20000	0.177(a)
	32 4-Chloro-3-Methylphenol +	107	6.437	6.437	(1.110)	2045	0.20000	0.140(a)
	33 2-Methylnaphthalene	142	6.581	6.581	(1.135)	9740	0.20000	0.254(a)
	35 2,4,6-Trichlorophenol +	196	6.916	6.916	(0.887)	775	0.20000	0.0849(a)
	36 2,4,5-Trichlorphenol	196	6.916	6.916	(0.887)	775	0.20000	0.0816(a)
$	37 2-Fluorobiphenyl	172	7.004	7.004	(0.899)	8166	0.20000	0.235(a)
	38 2-Chloronaphthalene	162	7.140	7.140	(0.916)	7986	0.20000	0.239(a)
	40 Dimethylphthalate	163	7.491	7.491	(0.961)	8242	0.20000	0.218(aM)
	42 Acenaphthylene	152	7.619	7.619	(0.977)	13300	0.20000	0.244(a)
*	44 Acenaphthene-d10	164	7.795	7.795	(1.000)	993516	40.0000	
	45 Acenaphthene +	153	7.827	7.827	(1.004)	8534	0.20000	0.254(a)
	47 Dibenzofuran	168	8.034	8.034	(1.031)	11418	0.20000	0.277(a)
	50 Diethylphthalate	149	8.330	8.330	(1.069)	8005	0.20000	0.226(a)
	51 Fluorene	166	8.441	8.441	(1.083)	8326	0.20000	0.274(a)
	52 4-Chlorophenyl-phenylether	204	8.457	8.457	(1.085)	3643	0.20000	0.311(a)
	55 N-nitrosodiphenylamine (1)+	169	8.601	8.601	(0.898)	5058	0.20000	0.197(aM)
	56 Azobenzene	77	8.641	8.641	(1.901)	6041	0.20000	0.223(a)
	58 4-Bromophenyl-phenylether	248	9.040	9.040	(0.944)	1745	0.20000	0.233(a)
	59 Hexachlorobenzene	284	9.104	9.104	(0.951)	2492	0.20000	0.259(a)
*	61 Phenanthrene-d10	188	9.575	9.575	(1.000)	1441217	40.0000	
	62 Phenanthrene	178	9.599	9.599	(1.002)	13223	0.20000	0.292(a)
	63 Anthracene	178	9.663	9.663	(1.009)	10891	0.20000	0.235(a)
	64 Carbazole	167	9.871	9.871	(1.031)	9468	0.20000	0.230(a)
	65 Di-n-butylphthalate	149	10.310	10.310	(1.077)	12454	0.20000	0.207(a)
M	66 Total Methylphenol	108				7846	0.20000	0.215(a)
	67 Fluoranthene +	202	11.036	11.036	(1.153)	9277	0.20000	0.250(a)
	69 Pyrene	202	11.308	11.308	(0.885)	9492	0.20000	0.249(a)
$	70 Terphenyl-d14	244	11.516	11.516	(0.901)	5379	0.20000	0.211(a)
	71 Butylbenzylphthalate	149	12.130	12.130	(0.949)	4069	0.20000	0.173(aM)
	72 Benzo(a)anthracene	228	12.761	12.761	(0.999)	11001	0.20000	0.307(a)
	73 3,3'-Dichlorobenzidine	252	12.753	12.753	(0.998)	3916	0.20000	0.379(a)
*	74 Chrysene-d12	240	12.777	12.777	(1.000)	995138	40.0000	
	75 Chrysene	228	12.809	12.809	(1.002)	8167	0.20000	0.253(a)
	76 bis(2-Ethylhexyl)phthalate	149	12.833	12.833	(1.004)	7993	0.20000	0.262(a)
	77 Di-n-octylphthalate +	149	13.584	13.584	(1.063)	10798	0.20000	0.193(a)
	78 Benzo(b)fluoranthene	252	14.015	14.015	(0.974)	8881	0.20000	0.218(a)
	79 Benzo(k)fluoranthene	252	14.015	14.015	(0.974)	8881	0.20000	0.257(a)
	80 Benzo(a)pyrene +	252	14.326	14.326	(0.996)	6816	0.20000	0.204(a)
*	81 Perylene-d12	264	14.382	14.382	(1.000)	876941	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
82 Indeno(1,2,3-cd)pyrene	276	15.540	15.540	(1.080)	8345	0.20000	0.189(a)
83 Dibenzo(a,h)anthracene	278	15.556	15.556	(1.082)	6525	0.20000	0.181(a)
84 Benzo(g,h,i)perylene	276	15.859	15.859	(1.103)	7001	0.20000	0.179(a)
91 Acetophenone	105	4.928	4.928	(1.084)	5543	0.20000	0.253(aM)
158 Biphenyl	154	7.124	7.124	(1.567)	10886	0.20000	0.268(aM)
145 1-Methylnaphthalene	142	6.581	6.581	(1.135)	9740	0.20000	0.254(a)
159 Atrazine	200	9.256	9.256	(0.967)	724	0.20000	0.132(aM)

QC Flag Legend

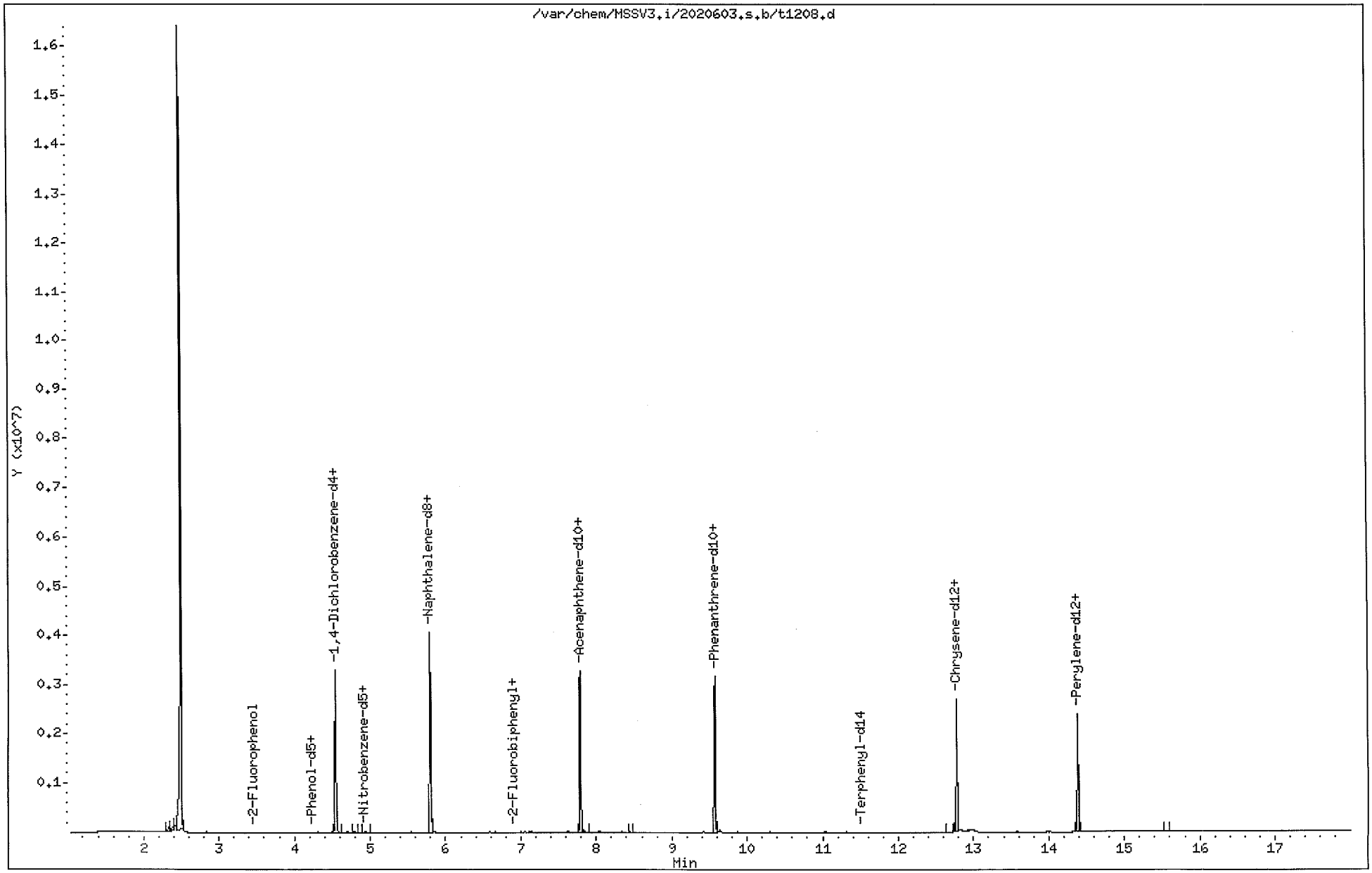
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

000222

Data File: /var/chem/MSSV3.i/2020603.s.b/t1208.d
Date : 03-JUN-2002 15:36
Client ID: SSTD00.2
Sample Info: SSTD00.2*3-29-8
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1207.d
Lab Smp Id: SSTD001 Client Smp ID: SSTD001
Inj Date : 03-JUN-2002 15:10
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD001*3-29-7
Misc Info : SSTD001*3-29-7
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:15 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 15:10 Cal File: t1207.d
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$ 3 2-Fluorophenol	112	3.449	3.449	(0.759)	25106	1.00000	1.04(a)
$ 4 Phenol-d5	99	4.239	4.239	(0.933)	30723	1.00000	1.20(a)
5 Aniline	93	4.263	4.263	(0.938)	27052	1.00000	1.10(a)
6 Phenol +	94	4.247	4.247	(0.935)	33428	1.00000	1.20(a)
7 bis(-2-Chloroethyl)Ether	63	4.311	4.311	(0.949)	18484	1.00000	1.08(a)
8 2-Chlorophenol	128	4.367	4.367	(0.961)	29395	1.00000	1.11(a)
9 1,3-Dichlorobenzene	146	4.495	4.495	(0.989)	33254	1.00000	1.20(a)
* 10 1,4-Dichlorobenzene-d4	152	4.543	4.543	(1.000)	676716	40.0000	
11 1,4-Dichlorobenzene +	146	4.558	4.558	(1.004)	34877	1.00000	1.31(a)
13 1,2-Dichlorobenzene	146	4.702	4.702	(1.035)	32215	1.00000	1.32(a)
14 Bis(2-chloroisopropyl)ether	45	4.790	4.790	(1.054)	54097	1.00000	1.34(a)
15 2-Methylphenol	108	4.782	4.782	(1.053)	24674	1.00000	1.24(a)
16 N-Nitroso-di-n-propylamine++	70	4.918	4.918	(1.083)	14091	1.00000	1.23(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	17 3- & 4-Methylphenol	108	4.926	4.926	(1.084)	24320	1.00000	1.36(a)
	18 Hexachloroethane	117	5.014	5.014	(1.104)	10241	1.00000	1.22(a)
$	19 Nitrobenzene-d5	82	5.069	5.069	(0.875)	18743	1.00000	1.13(a)
	20 Nitrobenzene	77	5.085	5.085	(0.877)	18930	1.00000	1.20(a)
	21 Isophorone	82	5.325	5.325	(0.919)	41812	1.00000	1.15(a)
	22 2-Nitrophenol +	139	5.405	5.405	(0.932)	13131	1.00000	0.931(a)
	23 2,4-Dimethyphenol	107	5.445	5.445	(0.939)	20990	1.00000	1.16(a)
	24 bis(-2-Chloroethoxy)methane	93	5.541	5.541	(0.956)	29729	1.00000	1.24(a)
	26 2,4-Dichlorophenol +	162	5.660	5.660	(0.977)	18559	1.00000	1.08(a)
	27 1,2,4-Trichlorobenzene	180	5.740	5.740	(0.990)	20816	1.00000	1.22(a)
*	28 Naphthalene-d8	136	5.796	5.796	(1.000)	2403687	40.0000	
	29 Naphthalene	128	5.820	5.820	(1.004)	88538	1.00000	1.42(a)
	30 4-Chloroaniline	127	5.892	5.892	(1.017)	24965	1.00000	1.07(a)
	31 Hexachlorobutadiene +	225	5.948	5.948	(1.026)	10169	1.00000	1.25(a)
	32 4-Chloro-3-Methylphenol +	107	6.427	6.427	(1.109)	15363	1.00000	1.02(a)
	33 2-Methylnaphthalene	142	6.579	6.579	(1.135)	53346	1.00000	1.35(a)
	34 Hexachlorocyclopentadiene ++	237	6.754	6.754	(0.867)	5830	1.00000	0.683(aM)
	35 2,4,6-Trichlorophenol +	196	6.914	6.914	(0.887)	8299	1.00000	0.851(a)
	36 2,4,5-Trichlorphenol	196	6.914	6.914	(0.887)	8299	1.00000	0.818(a)
$	37 2-Fluorobiphenyl	172	7.002	7.002	(0.899)	44628	1.00000	1.20(a)
	38 2-Chloronaphthalene	162	7.138	7.138	(0.916)	43027	1.00000	1.21(a)
	39 2-Nitroaniline	138	7.273	7.273	(0.933)	13629	1.00000	0.888(a)
	40 Dimethylphthalate	163	7.489	7.489	(0.961)	45763	1.00000	1.14(aM)
	41 2,6-Dinitrotoluene	165	7.561	7.561	(0.970)	10088	1.00000	0.978(a)
	42 Acenaphthylene	152	7.625	7.625	(0.978)	71619	1.00000	1.23(a)
	43 3-Nitroaniline	138	7.808	7.808	(1.002)	933	1.00000	0.0840(a)
*	44 Acenaphthene-d10	164	7.792	7.792	(1.000)	1060674	40.0000	
	45 Acenaphthene +	153	7.824	7.824	(1.004)	46597	1.00000	1.30(a)
	47 Dibenzofuran	168	8.032	8.032	(1.031)	59310	1.00000	1.35(a)
	48 2,4-Dinitrotoluene	165	8.040	8.040	(1.032)	12513	1.00000	1.01(a)
	50 Diethylphthalate	149	8.327	8.327	(1.069)	47003	1.00000	1.24(a)
	51 Fluorene	166	8.439	8.439	(1.083)	44001	1.00000	1.36(a)
	52 4-Chlorophenyl-phenylether	204	8.455	8.455	(1.085)	18655	1.00000	1.49(a)
	53 4-Nitroaniline	138	8.487	8.487	(1.089)	8185	1.00000	0.764(a)
	55 N-nitrosodiphenylamine (1)+	169	8.599	8.599	(0.898)	30690	1.00000	1.20(aM)
	56 Azobenzene	77	8.639	8.639	(1.902)	35118	1.00000	1.25(a)
$	57 2,4,6-Tribromophenol	332	8.734	8.734	(1.121)	2457	1.00000	0.641(a)
	58 4-Bromophenyl-phenylether	248	9.038	9.038	(0.944)	8509	1.00000	1.14(a)
	59 Hexachlorobenzene	284	9.102	9.102	(0.951)	11542	1.00000	1.20(a)
*	61 Phenanthrene-d10	188	9.573	9.573	(1.000)	1440690	40.0000	
	62 Phenanthrene	178	9.597	9.597	(1.002)	59642	1.00000	1.32(a)
	63 Anthracene	178	9.661	9.661	(1.009)	60109	1.00000	1.29(a)
	64 Carbazole	167	9.868	9.868	(1.031)	51360	1.00000	1.25(a)
	65 Di-n-butylphthalate	149	10.315	10.315	(1.078)	68641	1.00000	1.14(a)
M	66 Total Methylphenol	108				48994	1.00000	1.29(a)
	67 Fluoranthene +	202	11.034	11.034	(1.153)	46691	1.00000	1.26(a)
	68 Benzidine	184	11.234	11.234	(0.879)	7616	1.00000	2.64(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	69 Pyrene	202	11.305	11.305	(0.884)	46857	1.00000	1.27(a)
$	70 Terphenyl-d14	244	11.521	11.521	(0.901)	30217	1.00000	1.23(a)
	71 Butylbenzylphthalate	149	12.128	12.128	(0.949)	23924	1.00000	1.05(a)
	72 Benzo(a)anthracene	228	12.767	12.767	(0.999)	41809	1.00000	1.21(a)
	73 3,3'-Dichlorobenzidine	252	12.751	12.751	(0.998)	16637	1.00000	1.67(a)
*	74 Chrysene-d12	240	12.783	12.783	(1.000)	960468	40.0000	
	75 Chrysene	228	12.807	12.807	(1.002)	39579	1.00000	1.27(a)
	76 bis(2-Ethylhexyl)phthalate	149	12.831	12.831	(1.004)	37332	1.00000	1.27(a)
	77 Di-n-octylphthalate +	149	13.581	13.581	(1.062)	59891	1.00000	1.11(a)
	78 Benzo(b)fluoranthene	252	14.012	14.012	(0.974)	49699	1.00000	1.23(a)
	79 Benzo(k)fluoranthene	252	14.012	14.012	(0.974)	49699	1.00000	1.45(a)
	80 Benzo(a)pyrene +	252	14.324	14.324	(0.996)	41860	1.00000	1.26(a)
*	81 Perylene-d12	264	14.387	14.387	(1.000)	869373	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.529	15.529	(1.079)	50636	1.00000	1.16(a)
	83 Dibenzo(a,h)anthracene	278	15.545	15.545	(1.080)	44369	1.00000	1.24(a)
	84 Benzo(g,h,i)perylene	276	15.849	15.849	(1.102)	41989	1.00000	1.08(a)
	91 Acetophenone	105	4.926	4.926	(1.084)	31870	1.00000	1.40(aM)
	156 Benzaldehyde	77	4.175	4.175	(0.919)	4094	1.00000	0.539(aM)
	158 Biphenyl	154	7.122	7.122	(1.568)	58083	1.00000	1.38(aM)
	145 1-Methylnaphthalene	142	6.579	6.579	(1.135)	53346	1.00000	1.35(a)
	159 Atrazine	200	9.253	9.253	(0.967)	6722	1.00000	1.23(aM)

QC Flag Legend

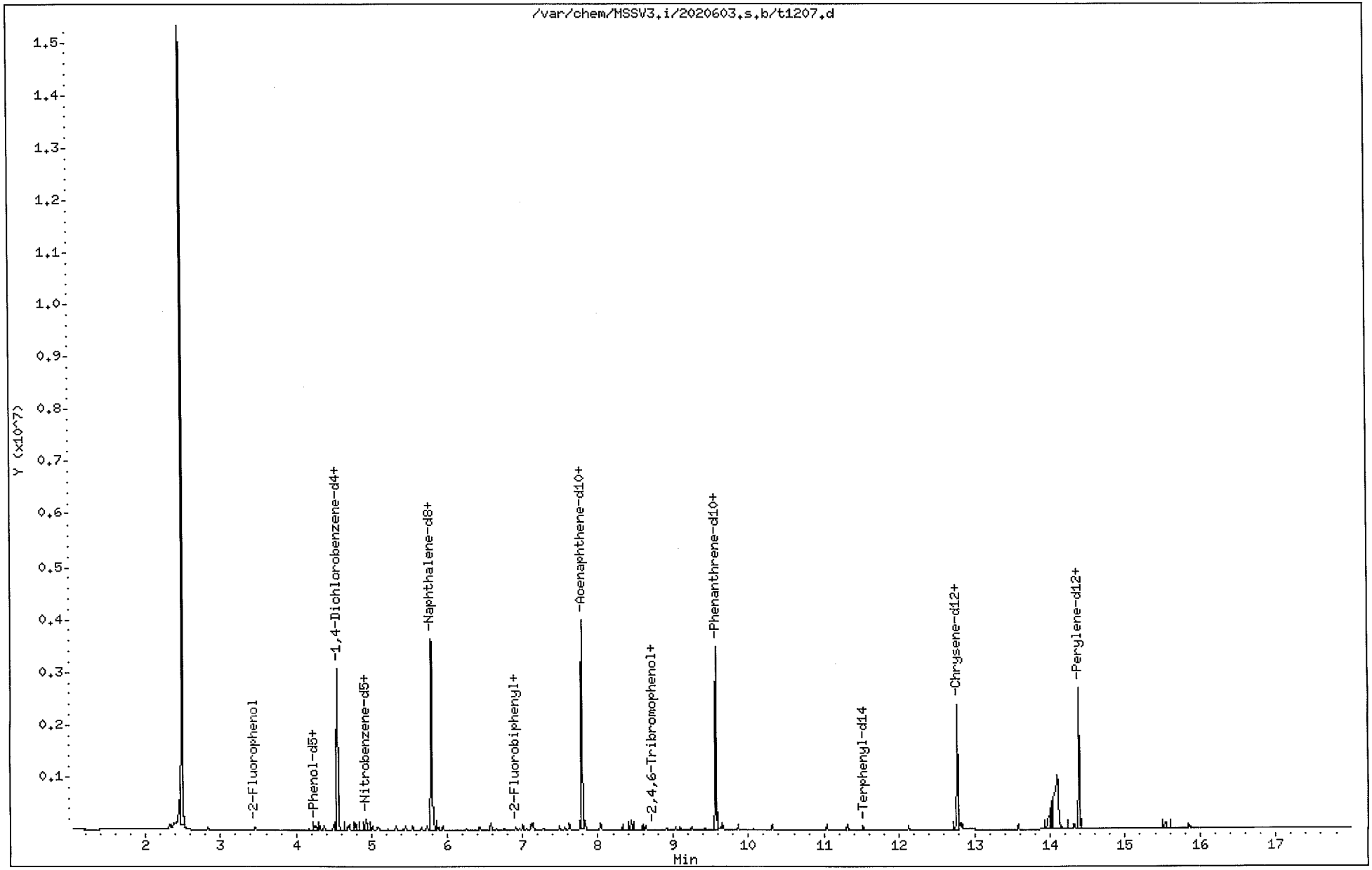
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

000226

Data File: /var/chem/MSSV3.i/2020603.s.b/t1207.d
Date : 03-JUN-2002 15:10
Client ID: SSTD001
Sample Info: SSTD001*3-29-7
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1202.d
Lab Smp Id: SSTD010 Client Smp ID: SSTD010
Inj Date : 03-JUN-2002 12:59
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD010*3-29-1
Misc Info : SSTD010*3-29-1
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:14 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 12:59 Cal File: t1202.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	1 n-Nitrosodimethylamine	42	2.078	2.078	(0.457)	89366	10.0000	9.81(a)
	2 Pyridine	79	2.150	2.150	(0.473)	263797	10.0000	10.4
$	3 2-Fluorophenol	112	3.444	3.444	(0.758)	283510	10.0000	11.3
$	4 Phenol-d5	99	4.234	4.234	(0.931)	324521	10.0000	12.2
	5 Aniline	93	4.258	4.258	(0.937)	363452	10.0000	14.2
	6 Phenol +	94	4.242	4.242	(0.933)	355038	10.0000	12.2
	7 bis(-2-Chloroethyl)Ether	63	4.314	4.314	(0.949)	187545	10.0000	10.5
	8 2-Chlorophenol	128	4.362	4.362	(0.960)	315566	10.0000	11.4
	9 1,3-Dichlorobenzene	146	4.498	4.498	(0.989)	351284	10.0000	12.2
*	10 1,4-Dichlorobenzene-d4	152	4.545	4.545	(1.000)	704353	40.0000	
	11 1,4-Dichlorobenzene +	146	4.561	4.561	(1.004)	349078	10.0000	12.6
	12 Benzyl alcohol	108	4.681	4.681	(1.030)	180332	10.0000	12.3
	13 1,2-Dichlorobenzene	146	4.697	4.697	(1.033)	333889	10.0000	13.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.793	4.793	(1.054)	533878	10.0000	12.7
	15 2-Methylphenol	108	4.785	4.785	(1.053)	257642	10.0000	12.4
	16 N-Nitroso-di-n-propylamine++	70	4.921	4.921	(1.083)	148256	10.0000	12.4
	17 3- & 4-Methylphenol	108	4.921	4.921	(1.083)	256409	10.0000	13.7
	18 Hexachloroethane	117	5.017	5.017	(1.104)	106522	10.0000	12.2
$	19 Nitrobenzene-d5	82	5.072	5.072	(0.875)	199108	10.0000	11.2
	20 Nitrobenzene	77	5.088	5.088	(0.877)	197535	10.0000	11.7
	21 Isophorone	82	5.328	5.328	(0.919)	425571	10.0000	10.9
	22 2-Nitrophenol +	139	5.408	5.408	(0.933)	176177	10.0000	11.7
	23 2,4-Dimethyphenol	107	5.448	5.448	(0.939)	235774	10.0000	12.1
	24 bis(-2-Chloroethoxy)methane	93	5.544	5.544	(0.956)	309838	10.0000	12.1
	25 Benzoic Acid	122	5.448	5.448	(1.198)	256806	10.0000	24.0(a)
	26 2,4-Dichlorophenol +	162	5.663	5.663	(0.977)	212573	10.0000	11.6
	27 1,2,4-Trichlorobenzene	180	5.743	5.743	(0.990)	215798	10.0000	11.8
*	28 Naphthalene-d8	136	5.799	5.799	(1.000)	2575109	40.0000	
	29 Naphthalene	128	5.823	5.823	(1.004)	851915	10.0000	12.7
	30 4-Chloroaniline	127	5.887	5.887	(1.015)	325002	10.0000	13.1
	31 Hexachlorobutadiene +	225	5.951	5.951	(1.026)	102197	10.0000	11.8
	32 4-Chloro-3-Methylphenol +	107	6.430	6.430	(1.109)	188629	10.0000	11.7
	33 2-Methylnaphthalene	142	6.582	6.582	(1.135)	551838	10.0000	13.0
	34 Hexachlorocyclopentadiene ++	237	6.757	6.757	(0.867)	97296	10.0000	10.7(M)
	35 2,4,6-Trichlorophenol +	196	6.917	6.917	(0.887)	112954	10.0000	10.9
	36 2,4,5-Trichlorphenol	196	6.965	6.965	(0.893)	120168	10.0000	11.2
$	37 2-Fluorobiphenyl	172	7.005	7.005	(0.899)	437914	10.0000	11.1
	38 2-Chloronaphthalene	162	7.140	7.140	(0.916)	448585	10.0000	11.9
	39 2-Nitroaniline	138	7.268	7.268	(0.932)	182439	10.0000	11.2
	40 Dimethylphthalate	163	7.492	7.492	(0.961)	469480	10.0000	11.0(M)
	41 2,6-Dinitrotoluene	165	7.564	7.564	(0.970)	122077	10.0000	11.1
	42 Acenaphthylene	152	7.620	7.620	(0.977)	749145	10.0000	12.1
	43 3-Nitroaniline	138	7.763	7.763	(0.996)	145047	10.0000	12.3
*	44 Acenaphthene-d10	164	7.795	7.795	(1.000)	1126143	40.0000	
	45 Acenaphthene +	153	7.827	7.827	(1.004)	476278	10.0000	12.5
	46 2,4-Dinitrophenol ++	184	7.899	7.899	(1.013)	3338	10.0000	0.699(aM)
	47 Dibenzofuran	168	8.035	8.035	(1.031)	584488	10.0000	12.5
	48 2,4-Dinitrotoluene	165	8.043	8.043	(1.032)	154620	10.0000	11.7
	49 4-Nitrophenol ++	109	7.995	7.995	(1.026)	20328	10.0000	8.67(a)
	50 Diethylphthalate	149	8.338	8.338	(1.070)	474029	10.0000	11.8
	51 Fluorene	166	8.442	8.442	(1.083)	467390	10.0000	13.6
	52 4-Chlorophenyl-phenylether	204	8.458	8.458	(1.085)	185002	10.0000	14.0
	53 4-Nitroaniline	138	8.490	8.490	(1.089)	119149	10.0000	10.5
	54 4,6-Dinitro-o-cresol	198	8.530	8.530	(0.891)	24406	10.0000	3.88(a)
	55 N-nitrosodiphenylamine (1)+	169	8.602	8.602	(0.898)	319283	10.0000	11.6(M)
	56 Azobenzene	77	8.642	8.642	(1.901)	347774	10.0000	11.9
$	57 2,4,6-Tribromophenol	332	8.737	8.737	(1.121)	49440	10.0000	12.1
	58 4-Bromophenyl-phenylether	248	9.041	9.041	(0.944)	93137	10.0000	11.6
	59 Hexachlorobenzene	284	9.105	9.105	(0.951)	115846	10.0000	11.3
	60 Pentachlorophenol +	266	9.352	9.352	(0.977)	43627	10.0000	7.45(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.576	9.576	(1.000)	1542110	40.0000	
	62 Phenanthrene	178	9.600	9.600	(1.002)	556544	10.0000	11.5
	63 Anthracene	178	9.664	9.664	(1.009)	566501	10.0000	11.4
	64 Carbazole	167	9.871	9.871	(1.031)	520733	10.0000	11.8
	65 Di-n-butylphthalate	149	10.318	10.318	(1.078)	753118	10.0000	11.7
M	66 Total Methylphenol	108				514051	10.0000	13.0
	67 Fluoranthene +	202	11.037	11.037	(1.153)	478907	10.0000	12.1
	68 Benzidine	184	11.221	11.221	(0.878)	96607	10.0000	30.5(a)
	69 Pyrene	202	11.308	11.308	(0.884)	488706	10.0000	12.1
$	70 Terphenyl-d14	244	11.516	11.516	(0.901)	318294	10.0000	11.8
	71 Butylbenzylphthalate	149	12.131	12.131	(0.949)	280250	10.0000	11.3
	72 Benzo(a)anthracene	228	12.762	12.762	(0.998)	392619	10.0000	10.4
	73 3,3'-Dichlorobenzidine	252	12.754	12.754	(0.998)	146548	10.0000	13.4(a)
*	74 Chrysene-d12	240	12.786	12.786	(1.000)	1052131	40.0000	
	75 Chrysene	228	12.809	12.809	(1.002)	394307	10.0000	11.6
	76 bis(2-Ethylhexyl)phthalate	149	12.833	12.833	(1.004)	370837	10.0000	11.5
	77 Di-n-octylphthalate +	149	13.584	13.584	(1.062)	624686	10.0000	10.5
	78 Benzo(b)fluoranthene	252	13.983	13.983	(0.972)	446088	10.0000	10.6
	79 Benzo(k)fluoranthene	252	14.007	14.007	(0.974)	424785	10.0000	11.9
	80 Benzo(a)pyrene +	252	14.319	14.319	(0.996)	393593	10.0000	11.4
*	81 Perylene-d12	264	14.382	14.382	(1.000)	903387	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.532	15.532	(1.080)	544185	10.0000	12.0
	83 Dibenzo(a,h)anthracene	278	15.548	15.548	(1.081)	461425	10.0000	12.5
	84 Benzo(g,h,i)perylene	276	15.860	15.860	(1.103)	462061	10.0000	11.5
	91 Acetophenone	105	4.929	4.929	(1.084)	326740	20.0000	13.8(M)
	156 Benzaldehyde	77	4.170	4.170	(0.917)	150694	10.0000	19.0(M)
	157 Caprolactam	113	6.270	6.270	(1.081)	73717	10.0000	10.6(M)
	158 Biphenyl	154	7.124	7.124	(1.567)	592037	10.0000	13.5(M)
	145 1-Methylnaphthalene	142	6.582	6.582	(1.135)	551838	10.0000	13.0
	159 Atrazine	200	9.264	9.264	(0.967)	77331	10.0000	13.2(M)

QC Flag Legend

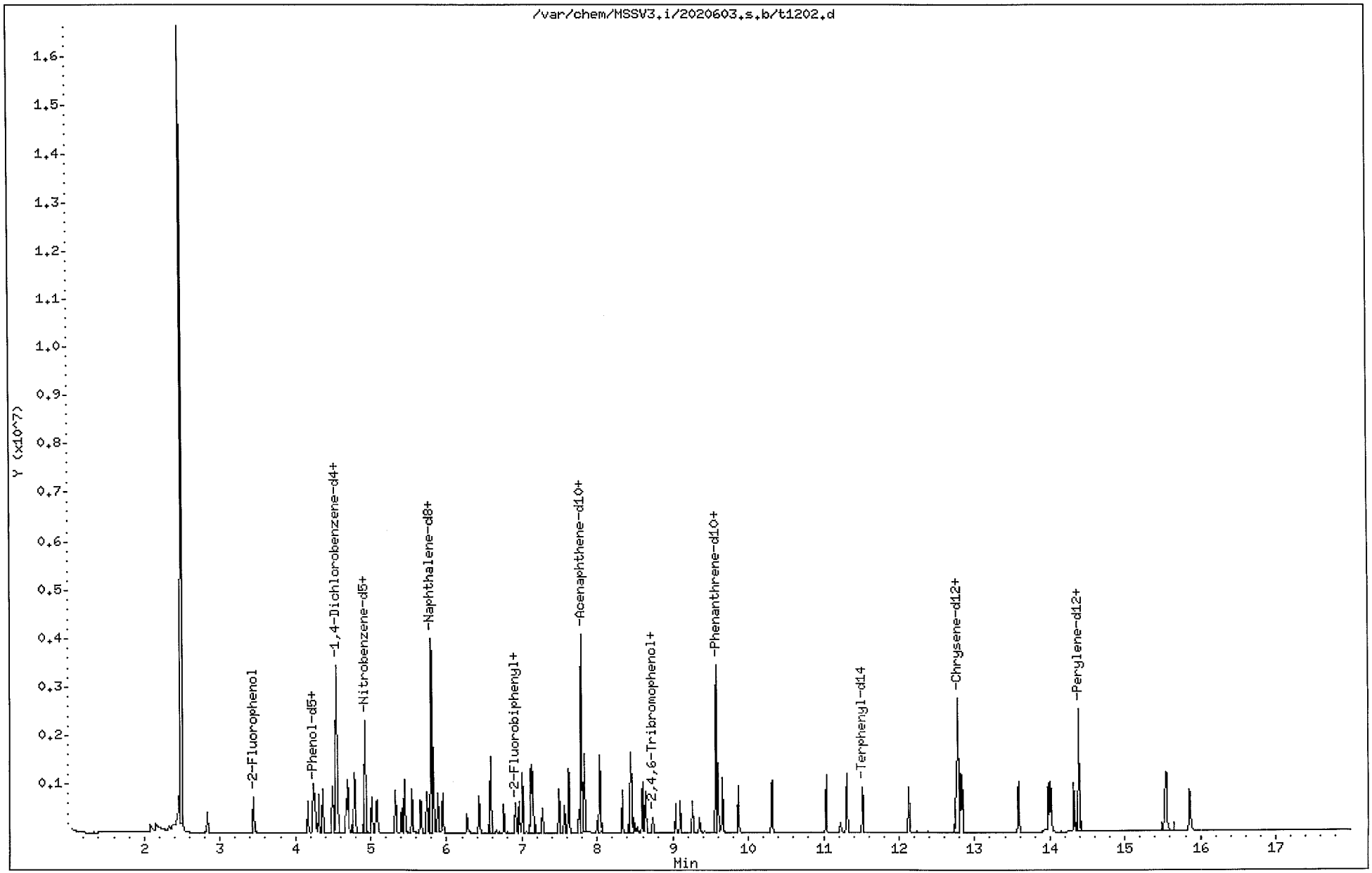
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

000230

Data File: /var/chem/MSSV3.i/2020603.s.b/t1202.d
Date : 03-JUN-2002 12:59
Client ID: SSTD010
Sample Info: SSTD010*3-29-1
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1201.d
Lab Smp Id: SSTD050 Client Smp ID: SSTD050
Inj Date : 03-JUN-2002 12:31
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD050*3-29-2
Misc Info : SSTD050*3-29-2
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:14 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 12:31 Cal File: t1201.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	1 n-Nitrosodimethylamine	42	2.077	2.077	(0.456)	464019	50.0000	49.6
	2 Pyridine	79	2.101	2.101	(0.462)	1215265	50.0000	46.6
$	3 2-Fluorophenol	112	3.451	3.451	(0.758)	1293632	50.0000	50.2
$	4 Phenol-d5	99	4.249	4.249	(0.933)	1416819	50.0000	51.8
	5 Aniline	93	4.273	4.273	(0.939)	1323829	50.0000	50.3
	6 Phenol +	94	4.257	4.257	(0.935)	1466686	50.0000	49.2
	7 bis(-2-Chloroethyl)Ether	63	4.321	4.321	(0.949)	872786	50.0000	47.6
	8 2-Chlorophenol	128	4.369	4.369	(0.960)	1428092	50.0000	50.4
	9 1,3-Dichlorobenzene	146	4.497	4.497	(0.988)	1539967	50.0000	52.0
*	10 1,4-Dichlorobenzene-d4	152	4.552	4.552	(1.000)	723483	40.0000	
	11 1,4-Dichlorobenzene +	146	4.568	4.568	(1.004)	1514064	50.0000	53.1
	12 Benzyl alcohol	108	4.688	4.688	(1.030)	785002	50.0000	52.3
	13 1,2-Dichlorobenzene	146	4.704	4.704	(1.033)	1408645	50.0000	54.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.800	4.800	(1.054)	2232248	50.0000	51.8
	15 2-Methylphenol	108	4.792	4.792	(1.053)	1095088	50.0000	51.3
	16 N-Nitroso-di-n-propylamine++	70	4.944	4.944	(1.086)	607990	50.0000	49.5
	17 3- & 4-Methylphenol	108	4.944	4.944	(1.086)	964332	50.0000	50.3
	18 Hexachloroethane	117	5.016	5.016	(1.102)	475353	50.0000	53.0
$	19 Nitrobenzene-d5	82	5.079	5.079	(0.875)	916589	50.0000	49.2
	20 Nitrobenzene	77	5.103	5.103	(0.879)	878089	50.0000	49.8
	21 Isophorone	82	5.343	5.343	(0.920)	1982074	50.0000	48.7
	22 2-Nitrophenol +	139	5.415	5.415	(0.933)	807615	50.0000	51.1
	23 2,4-Dimethyphenol	107	5.463	5.463	(0.941)	983440	50.0000	48.3
	24 bis(-2-Chloroethoxy)methane	93	5.558	5.558	(0.957)	1342151	50.0000	50.0
	25 Benzoic Acid	122	5.463	5.463	(1.200)	1101167	50.0000	100
	26 2,4-Dichlorophenol +	162	5.670	5.670	(0.977)	981589	50.0000	51.0
	27 1,2,4-Trichlorobenzene	180	5.742	5.742	(0.989)	963458	50.0000	50.5
*	28 Naphthalene-d8	136	5.806	5.806	(1.000)	2694605	40.0000	
	29 Naphthalene	128	5.830	5.830	(1.004)	3674407	50.0000	52.4
	30 4-Chloroaniline	127	5.894	5.894	(1.015)	1301741	50.0000	50.0
	31 Hexachlorobutadiene +	225	5.950	5.950	(1.025)	468242	50.0000	51.5
	32 4-Chloro-3-Methylphenol +	107	6.445	6.445	(1.110)	861046	50.0000	51.0
	33 2-Methylnaphthalene	142	6.588	6.588	(1.135)	2344172	50.0000	52.9
	34 Hexachlorocyclopentadiene ++	237	6.764	6.764	(0.868)	500576	50.0000	52.8(M)
	35 2,4,6-Trichlorophenol +	196	6.924	6.924	(0.888)	544905	50.0000	50.3
	36 2,4,5-Trichlorphenol	196	6.972	6.972	(0.894)	599156	50.0000	53.2
$	37 2-Fluorobiphenyl	172	7.012	7.012	(0.900)	1961650	50.0000	47.5
	38 2-Chloronaphthalene	162	7.147	7.147	(0.917)	1905914	50.0000	48.2
	39 2-Nitroaniline	138	7.283	7.283	(0.934)	857056	50.0000	50.3
	40 Dimethylphthalate	163	7.507	7.507	(0.963)	2117005	50.0000	47.3
	41 2,6-Dinitrotoluene	165	7.579	7.579	(0.972)	571679	50.0000	49.9
	42 Acenaphthylene	152	7.634	7.634	(0.980)	3297028	50.0000	51.0
	43 3-Nitroaniline	138	7.778	7.778	(0.998)	622060	50.0000	50.5
*	44 Acenaphthene-d10	164	7.794	7.794	(1.000)	1177376	40.0000	
	45 Acenaphthene +	153	7.842	7.842	(1.006)	2025607	50.0000	51.0
	46 2,4-Dinitrophenol ++	184	7.898	7.898	(1.013)	171508	50.0000	34.4(aM)
	47 Dibenzofuran	168	8.042	8.042	(1.032)	2493013	50.0000	51.1
	48 2,4-Dinitrotoluene	165	8.058	8.058	(1.034)	686273	50.0000	49.7
	49 4-Nitrophenol ++	109	8.010	8.010	(1.028)	128310	50.0000	52.3
	50 Diethylphthalate	149	8.345	8.345	(1.071)	2110684	50.0000	50.3
	51 Fluorene	166	8.449	8.449	(1.084)	1901971	50.0000	52.9
	52 4-Chlorophenyl-phenylether	204	8.465	8.465	(1.086)	749145	50.0000	54.0
	53 4-Nitroaniline	138	8.513	8.513	(1.092)	606504	50.0000	51.0
	54 4,6-Dinitro-o-cresol	198	8.545	8.545	(0.892)	324758	50.0000	50.6
	55 N-nitrosodiphenylamine (1)+	169	8.617	8.617	(0.900)	1411228	50.0000	50.3(M)
	56 Azobenzene	77	8.648	8.648	(1.900)	1536020	50.0000	51.1
$	57 2,4,6-Tribromophenol	332	8.744	8.744	(1.122)	235513	50.0000	55.3
	58 4-Bromophenyl-phenylether	248	9.048	9.048	(0.945)	419209	50.0000	51.2
	59 Hexachlorobenzene	284	9.112	9.112	(0.952)	496444	50.0000	47.3
	60 Pentachlorophenol +	266	9.359	9.359	(0.977)	320255	50.0000	53.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.575	9.575	(1.000)	1574860	40.0000	
	62 Phenanthrene	178	9.607	9.607	(1.003)	2422702	50.0000	49.0
	63 Anthracene	178	9.671	9.671	(1.010)	2443725	50.0000	48.2
	64 Carbazole	167	9.878	9.878	(1.032)	2259253	50.0000	50.3
	65 Di-n-butylphthalate	149	10.325	10.325	(1.078)	3358303	50.0000	51.1
M	66 Total Methylphenol	108				2059420	50.0000	50.8
	67 Fluoranthene +	202	11.044	11.044	(1.153)	2075541	50.0000	51.3
	68 Benzidine	184	11.227	11.227	(0.878)	193491	50.0000	61.2
	69 Pyrene	202	11.315	11.315	(0.885)	2099588	50.0000	52.1
$	70 Terphenyl-d14	244	11.523	11.523	(0.901)	1349879	50.0000	50.1
	71 Butylbenzylphthalate	149	12.138	12.138	(0.949)	1295686	50.0000	52.1
	72 Benzo(a)anthracene	228	12.777	12.777	(0.999)	1728417	50.0000	45.6
	73 3,3'-Dichlorobenzidine	252	12.761	12.761	(0.998)	627226	50.0000	57.4
*	74 Chrysene-d12	240	12.792	12.792	(1.000)	1051466	40.0000	
	75 Chrysene	228	12.824	12.824	(1.002)	1727811	50.0000	50.7
	76 bis(2-Ethylhexyl)phthalate	149	12.840	12.840	(1.004)	1726257	50.0000	53.6
	77 Di-n-octylphthalate +	149	13.591	13.591	(1.062)	3009671	50.0000	50.8
	78 Benzo(b)fluoranthene	252	13.990	13.990	(0.972)	1917326	50.0000	42.2
	79 Benzo(k)fluoranthene	252	14.030	14.030	(0.975)	2031966	50.0000	52.6
	80 Benzo(a)pyrene +	252	14.333	14.333	(0.996)	1829049	50.0000	49.0
*	81 Perylene-d12	264	14.389	14.389	(1.000)	978748	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.555	15.555	(1.081)	2518600	50.0000	51.2
	83 Dibenzo(a,h)anthracene	278	15.579	15.579	(1.083)	2036737	50.0000	50.7
	84 Benzo(g,h,i)perylene	276	15.890	15.890	(1.104)	2215003	50.0000	50.8
	91 Acetophenone	105	4.936	4.936	(1.084)	1285349	50.0000	52.9(M)
	156 Benzaldehyde	77	4.169	4.169	(0.916)	545599	50.0000	67.1(M)
	157 Caprolactam	113	6.341	6.341	(1.092)	349856	50.0000	47.9(M)
	158 Biphenyl	154	7.131	7.131	(1.567)	2482373	50.0000	55.1(M)
	145 1-Methylnaphthalene	142	6.588	6.588	(1.135)	2348056	50.0000	52.9(M)
	159 Atrazine	200	9.279	9.279	(0.969)	277778	50.0000	46.4(M)

QC Flag Legend

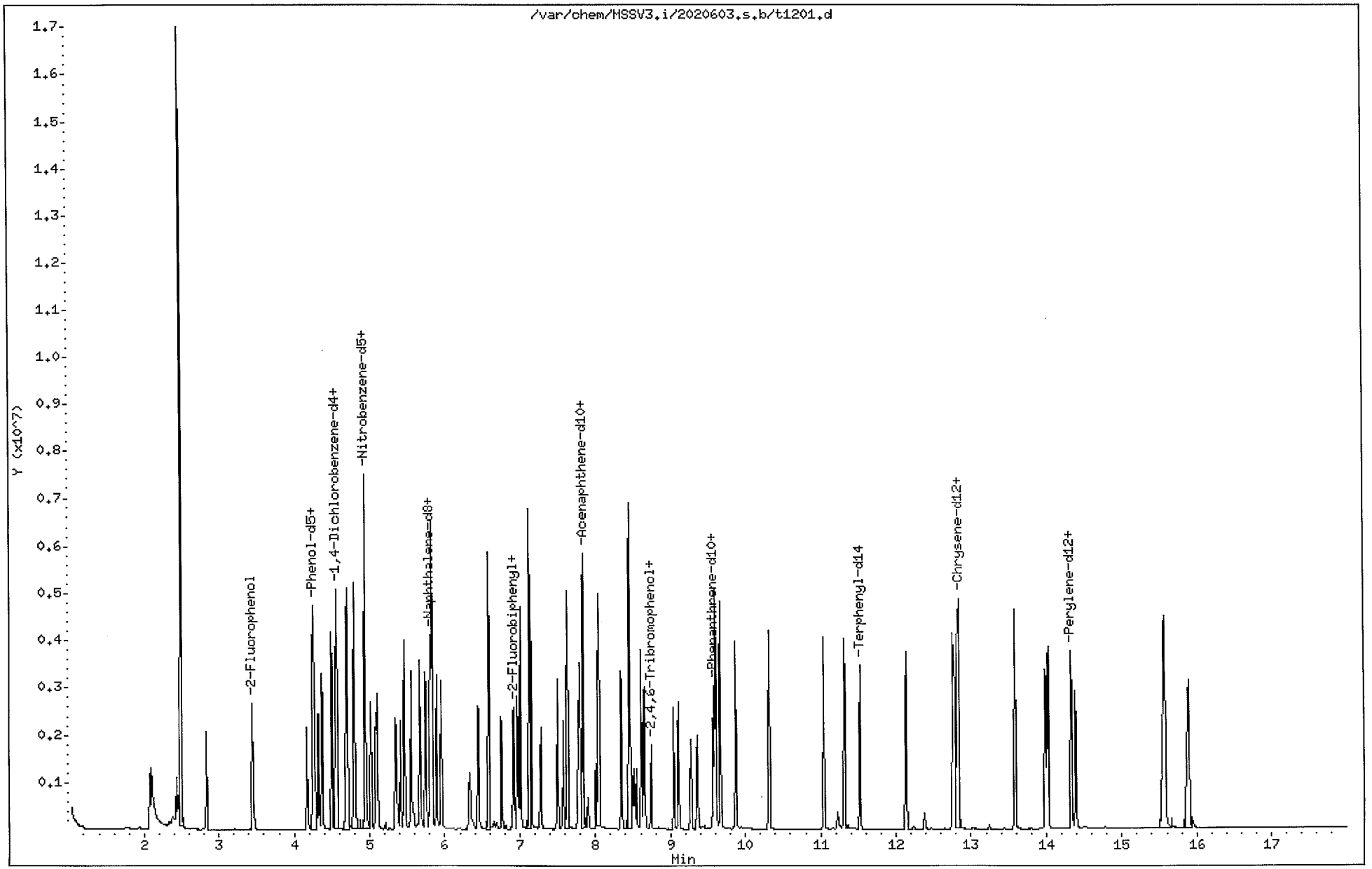
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

000234

Data File: /var/chem/MSSV3.i/2020603.s.b/t1201.d
Date : 03-JUN-2002 12:31
Client ID: SSTD050
Sample Info: SSTD050*3-29-2
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1203.d
Lab Smp Id: SSTD080 Client Smp ID: SSTD080
Inj Date : 03-JUN-2002 13:25
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD080*3-29-3
Misc Info : SSTD080*3-29-3
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:14 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 13:25 Cal File: t1203.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
1 n-Nitrosodimethylamine	42	2.082	2.082	(0.457)	675594	80.0000	80.6
2 Pyridine	79	2.098	2.098	(0.460)	1810020	80.0000	77.5
$ 3 2-Fluorophenol	112	3.448	3.448	(0.756)	1818364	80.0000	78.8
$ 4 Phenol-d5	99	4.254	4.254	(0.933)	1922876	80.0000	78.5
5 Aniline	93	4.270	4.270	(0.937)	1916203	80.0000	81.3
6 Phenol +	94	4.270	4.270	(0.937)	1945997	80.0000	72.8
7 bis(-2-Chloroethyl)Ether	63	4.326	4.326	(0.949)	1218451	80.0000	74.2
8 2-Chlorophenol	128	4.374	4.374	(0.960)	1974646	80.0000	77.8
9 1,3-Dichlorobenzene	146	4.502	4.502	(0.988)	2088314	80.0000	78.7
* 10 1,4-Dichlorobenzene-d4	152	4.550	4.550	(1.000)	648173	40.0000	
11 1,4-Dichlorobenzene +	146	4.574	4.574	(1.004)	2044346	80.0000	80.0
12 Benzyl alcohol	108	4.693	4.693	(1.030)	1028152	80.0000	76.4
13 1,2-Dichlorobenzene	146	4.709	4.709	(1.033)	1843023	80.0000	78.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.805	4.805	(1.054)	3057445	80.0000	79.3
	15 2-Methylphenol	108	4.797	4.797	(1.053)	1479989	80.0000	77.3
	16 N-Nitroso-di-n-propylamine++	70	4.957	4.957	(1.088)	842636	80.0000	76.6
	17 3- & 4-Methylphenol	108	4.949	4.949	(1.086)	1276381	80.0000	74.3
	18 Hexachloroethane	117	5.021	5.021	(1.102)	651946	80.0000	81.2
$	19 Nitrobenzene-d5	82	5.093	5.093	(0.876)	1272788	80.0000	77.7
	20 Nitrobenzene	77	5.109	5.109	(0.879)	1224587	80.0000	79.0
	21 Isophorone	82	5.356	5.356	(0.922)	2781892	80.0000	77.8
	22 2-Nitrophenol +	139	5.420	5.420	(0.933)	1120458	80.0000	80.6
	23 2,4-Dimethyphenol	107	5.468	5.468	(0.941)	1415421	80.0000	79.1
	24 bis(-2-Chloroethoxy)methane	93	5.564	5.564	(0.957)	1874388	80.0000	79.4
	25 Benzoic Acid	122	5.620	5.620	(1.233)	417825	80.0000	42.4(aH)
	26 2,4-Dichlorophenol +	162	5.676	5.676	(0.977)	1352785	80.0000	80.0
	27 1,2,4-Trichlorobenzene	180	5.747	5.747	(0.989)	1316370	80.0000	78.5
*	28 Naphthalene-d8	136	5.811	5.811	(1.000)	2369043	40.0000	
	29 Naphthalene	128	5.835	5.835	(1.004)	4875046	80.0000	79.1
	30 4-Chloroaniline	127	5.899	5.899	(1.015)	1811903	80.0000	79.2
	31 Hexachlorobutadiene +	225	5.955	5.955	(1.025)	615926	80.0000	77.1
	32 4-Chloro-3-Methylphenol +	107	6.458	6.458	(1.111)	1179952	80.0000	79.5
	33 2-Methylnaphthalene	142	6.594	6.594	(1.135)	3072729	80.0000	78.8
	34 Hexachlorocyclopentadiene ++	237	6.761	6.761	(0.867)	687312	80.0000	83.3(M)
	35 2,4,6-Trichlorophenol +	196	6.929	6.929	(0.888)	738785	80.0000	78.4
	36 2,4,5-Trichlorphenol	196	6.977	6.977	(0.895)	803542	80.0000	82.0
$	37 2-Fluorobiphenyl	172	7.017	7.017	(0.900)	2657572	80.0000	74.0
	38 2-Chloronaphthalene	162	7.153	7.153	(0.917)	2510494	80.0000	73.0
	39 2-Nitroaniline	138	7.288	7.288	(0.934)	1172591	80.0000	79.1
	40 Dimethylphthalate	163	7.512	7.512	(0.963)	2873925	80.0000	73.8
	41 2,6-Dinitrotoluene	165	7.584	7.584	(0.972)	778909	80.0000	78.2
	42 Acenaphthylene	152	7.632	7.632	(0.978)	4365828	80.0000	77.6
	43 3-Nitroaniline	138	7.783	7.783	(0.998)	820945	80.0000	76.5
*	44 Acenaphthene-d10	164	7.799	7.799	(1.000)	1024667	40.0000	
	45 Acenaphthene +	153	7.847	7.847	(1.006)	2656713	80.0000	76.8
	46 2,4-Dinitrophenol ++	184	7.903	7.903	(1.013)	297005	80.0000	68.4(M)
	47 Dibenzofuran	168	8.047	8.047	(1.032)	3316147	80.0000	78.1
	48 2,4-Dinitrotoluene	165	8.063	8.063	(1.034)	920240	80.0000	76.6
	49 4-Nitrophenol ++	109	8.015	8.015	(1.028)	175719	80.0000	82.3
	50 Diethylphthalate	149	8.358	8.358	(1.072)	2802281	80.0000	76.7
	51 Fluorene	166	8.454	8.454	(1.084)	2435058	80.0000	77.8
	52 4-Chlorophenyl-phenylether	204	8.462	8.462	(1.085)	947859	80.0000	78.6
	53 4-Nitroaniline	138	8.526	8.526	(1.093)	829717	80.0000	80.1
	54 4,6-Dinitro-o-cresol	198	8.558	8.558	(0.893)	487428	80.0000	86.6
	55 N-nitrosodiphenylamine (1)+	169	8.622	8.622	(0.900)	1858839	80.0000	75.6(M)
	56 Azobenzene	77	8.654	8.654	(1.899)	2055492	80.0000	76.4
$	57 2,4,6-Tribromophenol	332	8.750	8.750	(1.122)	311948	80.0000	84.2
	58 4-Bromophenyl-phenylether	248	9.053	9.053	(0.945)	564041	80.0000	78.6
	59 Hexachlorobenzene	284	9.117	9.117	(0.952)	657368	80.0000	71.4
	60 Pentachlorophenol +	266	9.364	9.364	(0.977)	431699	80.0000	82.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.580	9.580	(1.000)	1380739	40.0000	
	62 Phenanthrene	178	9.612	9.612	(1.003)	3238986	80.0000	74.8
	63 Anthracene	178	9.676	9.676	(1.010)	3227468	80.0000	72.5
	64 Carbazole	167	9.883	9.883	(1.032)	3065675	80.0000	77.9
	65 Di-n-butylphthalate	149	10.323	10.323	(1.077)	4372360	80.0000	75.9
M	66 Total Methylphenol	108				2756370	80.0000	75.9
	67 Fluoranthene +	202	11.049	11.049	(1.153)	2788954	80.0000	78.6
	68 Benzidine	184	11.225	11.225	(0.878)	382642	80.0000	132
	69 Pyrene	202	11.321	11.321	(0.885)	2833392	80.0000	76.8
$	70 Terphenyl-d14	244	11.528	11.528	(0.901)	1800607	80.0000	73.0
	71 Butylbenzylphthalate	149	12.143	12.143	(0.949)	1810049	80.0000	79.5
	72 Benzo(a)anthracene	228	12.782	12.782	(0.999)	2370820	80.0000	68.3
	73 3,3'-Dichlorobenzidine	252	12.766	12.766	(0.998)	814091	80.0000	81.4
*	74 Chrysene-d12	240	12.790	12.790	(1.000)	962788	40.0000	
	75 Chrysene	228	12.830	12.830	(1.003)	2294273	80.0000	73.5
	76 bis(2-Ethylhexyl)phthalate	149	12.846	12.846	(1.004)	2289268	80.0000	77.6
	77 Di-n-octylphthalate +	149	13.596	13.596	(1.063)	4207117	80.0000	77.6
	78 Benzo(b)fluoranthene	252	14.003	14.003	(0.973)	3209334	80.0000	74.5
	79 Benzo(k)fluoranthene	252	14.035	14.035	(0.975)	2637230	80.0000	72.0(H)
	80 Benzo(a)pyrene +	252	14.347	14.347	(0.997)	2634868	80.0000	74.5
*	81 Perylene-d12	264	14.395	14.395	(1.000)	927855	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.568	15.568	(1.082)	3685012	80.0000	79.0
	83 Dibenzo(a,h)anthracene	278	15.592	15.592	(1.083)	2825130	80.0000	74.2
	84 Benzo(g,h,i)perylene	276	15.912	15.912	(1.105)	3272402	80.0000	79.2
	91 Acetophenone	105	4.949	4.949	(1.086)	1748034	80.0000	80.2(M)
	156 Benzaldehyde	77	4.174	4.174	(0.916)	602792	80.0000	82.8(M)
	157 Caprolactam	113	6.362	6.362	(1.095)	521732	80.0000	81.2(M)
	158 Biphenyl	154	7.137	7.137	(1.566)	3169648	80.0000	78.5(M)
	145 1-Methylnaphthalene	142	6.594	6.594	(1.135)	3072729	80.0000	78.8
	159 Atrazine	200	9.285	9.285	(0.969)	410110	80.0000	78.1(M)

QC Flag Legend

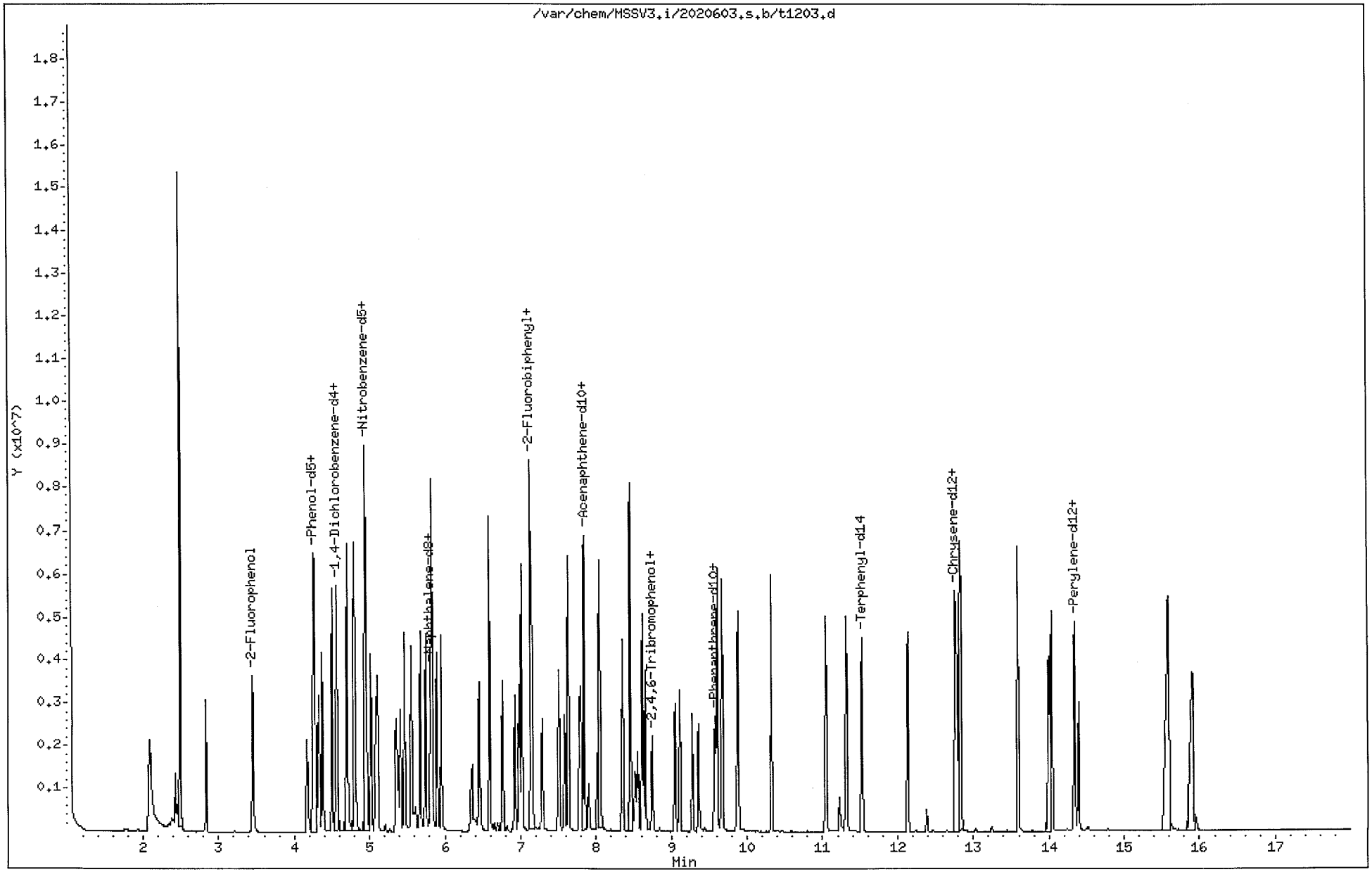
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000238

Data File: /var/chem/MSSV3.i/2020603.s.b/t1203.d
Date : 03-JUN-2002 13:25
Client ID: SSTD080
Sample Info: SSTD080*3-29-3
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1204.d
Lab Smp Id: SSTD120 Client Smp ID: SSTD120
Inj Date : 03-JUN-2002 13:51
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD120*3-29-4
Misc Info : SSTD120*3-29-5
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:15 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 13:51 Cal File: t1204.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	1 n-Nitrosodimethylamine	42	2.107	2.107	(0.462)	955434	120.000	123
	2 Pyridine	79	2.107	2.107	(0.462)	2689986	120.000	124
$	3 2-Fluorophenol	112	3.456	3.456	(0.758)	2547100	120.000	119
$	4 Phenol-d5	99	4.263	4.263	(0.935)	2584469	120.000	114
	5 Aniline	93	4.279	4.279	(0.939)	2520168	120.000	115
	6 Phenol +	94	4.279	4.279	(0.939)	2577302	120.000	104
	7 bis(-2-Chloroethyl)Ether	63	4.335	4.335	(0.951)	1706271	120.000	112
	8 2-Chlorophenol	128	4.382	4.382	(0.961)	2760415	120.000	117
	9 1,3-Dichlorobenzene	146	4.510	4.510	(0.989)	2836177	120.000	115
*	10 1,4-Dichlorobenzene-d4	152	4.558	4.558	(1.000)	601100	40.0000	
	11 1,4-Dichlorobenzene +	146	4.574	4.574	(1.004)	2728418	120.000	115
	12 Benzyl alcohol	108	4.718	4.718	(1.035)	1406192	120.000	113
	13 1,2-Dichlorobenzene	146	4.710	4.710	(1.033)	2410209	120.000	111

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.806	4.806	(1.054)	4066358	120.000	114
	15 2-Methylphenol	108	4.806	4.806	(1.054)	2025670	120.000	114
	16 N-Nitroso-di-n-propylamine++	70	4.981	4.981	(1.093)	1216734	120.000	119(M)
	17 3- & 4-Methylphenol	108	4.965	4.965	(1.089)	1781827	120.000	112
	18 Hexachloroethane	117	5.021	5.021	(1.102)	876752	120.000	118
$	19 Nitrobenzene-d5	82	5.101	5.101	(0.878)	1817442	120.000	117
	20 Nitrobenzene	77	5.117	5.117	(0.880)	1703896	120.000	116
	21 Isophorone	82	5.373	5.373	(0.924)	3919859	120.000	116
	22 2-Nitrophenol +	139	5.428	5.428	(0.934)	1589509	120.000	121
	23 2,4-Dimethyphenol	107	5.484	5.484	(0.944)	1928603	120.000	114
	24 bis(-2-Chloroethoxy)methane	93	5.572	5.572	(0.959)	2582821	120.000	115
	25 Benzoic Acid	122	5.660	5.660	(1.242)	878890	120.000	96.3(H)
	26 2,4-Dichlorophenol +	162	5.684	5.684	(0.978)	1873743	120.000	117
	27 1,2,4-Trichlorobenzene	180	5.756	5.756	(0.990)	1826665	120.000	115
*	28 Naphthalene-d8	136	5.812	5.812	(1.000)	2245967	40.0000	
	29 Naphthalene	128	5.844	5.844	(1.005)	6670439	120.000	114
	30 4-Chloroaniline	127	5.908	5.908	(1.016)	2432794	120.000	112
	31 Hexachlorobutadiene +	225	5.963	5.963	(1.026)	850155	120.000	112
	32 4-Chloro-3-Methylphenol +	107	6.474	6.474	(1.114)	1652253	120.000	117
	33 2-Methylnaphthalene	142	6.602	6.602	(1.136)	4134798	120.000	112
	34 Hexachlorocyclopentadiene ++	237	6.770	6.770	(0.868)	968225	120.000	127(M)
	35 2,4,6-Trichlorophenol +	196	6.938	6.938	(0.889)	1058925	120.000	122
	36 2,4,5-Trichlorphenol	196	6.993	6.993	(0.897)	1120076	120.000	124
$	37 2-Fluorobiphenyl	172	7.025	7.025	(0.901)	3632272	120.000	109
	38 2-Chloronaphthalene	162	7.161	7.161	(0.918)	3394561	120.000	107
	39 2-Nitroaniline	138	7.297	7.297	(0.936)	1644645	120.000	120
	40 Dimethylphthalate	163	7.520	7.520	(0.964)	4057335	120.000	113
	41 2,6-Dinitrotoluene	165	7.600	7.600	(0.974)	1095285	120.000	119
	42 Acenaphthylene	152	7.640	7.640	(0.980)	6004375	120.000	115
	43 3-Nitroaniline	138	7.800	7.800	(1.000)	1157327	120.000	117
*	44 Acenaphthene-d10	164	7.800	7.800	(1.000)	946882	40.0000	
	45 Acenaphthene +	153	7.856	7.856	(1.007)	3671575	120.000	115
	46 2,4-Dinitrophenol ++	184	7.920	7.920	(1.015)	498302	120.000	124
	47 Dibenzofuran	168	8.055	8.055	(1.033)	4560806	120.000	116
	48 2,4-Dinitrotoluene	165	8.071	8.071	(1.035)	1299330	120.000	117
	49 4-Nitrophenol ++	109	8.031	8.031	(1.030)	250588	120.000	127
	50 Diethylphthalate	149	8.367	8.367	(1.073)	3913168	120.000	116
	51 Fluorene	166	8.463	8.463	(1.085)	3212605	120.000	111
	52 4-Chlorophenyl-phenylether	204	8.471	8.471	(1.086)	1230583	120.000	110
	53 4-Nitroaniline	138	8.550	8.550	(1.096)	1165794	120.000	122
	54 4,6-Dinitro-o-cresol	198	8.574	8.574	(0.895)	745256	120.000	141
	55 N-nitrosodiphenylamine (1)+	169	8.630	8.630	(0.901)	2587304	120.000	112(M)
	56 Azobenzene	77	8.670	8.670	(1.902)	3075077	120.000	123
$	57 2,4,6-Tribromophenol	332	8.758	8.758	(1.123)	421449	120.000	123
	58 4-Bromophenyl-phenylether	248	9.061	9.061	(0.946)	781176	120.000	116
	59 Hexachlorobenzene	284	9.125	9.125	(0.952)	905119	120.000	105
	60 Pentachlorophenol +	266	9.373	9.373	(0.978)	622314	120.000	126

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.580	9.580	(1.000)	1298028	40.0000	
	62 Phenanthrene	178	9.620	9.620	(1.004)	4407832	120.000	108
	63 Anthracene	178	9.684	9.684	(1.011)	4439351	120.000	106
	64 Carbazole	167	9.892	9.892	(1.032)	4302888	120.000	116
	65 Di-n-butylphthalate	149	10.331	10.331	(1.078)	6032950	120.000	111
M	66 Total Methylphenol	108				3807497	120.000	113
	67 Fluoranthene +	202	11.058	11.058	(1.154)	3840138	120.000	115
	68 Benzidine	184	11.233	11.233	(0.878)	374398	120.000	137
	69 Pyrene	202	11.329	11.329	(0.885)	3942410	120.000	114
$	70 Terphenyl-d14	244	11.537	11.537	(0.901)	2479702	120.000	107
	71 Butylbenzylphthalate	149	12.143	12.143	(0.949)	2515537	120.000	117
	72 Benzo(a)anthracene	228	12.790	12.790	(0.999)	3274521	120.000	100
	73 3,3'-Dichlorobenzidine	252	12.774	12.774	(0.998)	1040200	120.000	111
*	74 Chrysene-d12	240	12.798	12.798	(1.000)	905910	40.0000	
	75 Chrysene	228	12.838	12.838	(1.003)	3000198	120.000	102
	76 bis(2-Ethylhexyl)phthalate	149	12.846	12.846	(1.004)	2751255	120.000	99.2
	77 Di-n-octylphthalate +	149	13.605	13.605	(1.063)	6037158	120.000	118
	78 Benzo(b)fluoranthene	252	14.020	14.020	(0.973)	4580920	120.000	106
	79 Benzo(k)fluoranthene	252	14.052	14.052	(0.976)	3885526	120.000	106(H)
	80 Benzo(a)pyrene +	252	14.355	14.355	(0.997)	3870225	120.000	109
*	81 Perylene-d12	264	14.403	14.403	(1.000)	931396	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.601	15.601	(1.083)	5377801	120.000	115
	83 Dibenzo(a,h)anthracene	278	15.617	15.617	(1.084)	4104883	120.000	107
	84 Benzo(g,h,i)perylene	276	15.936	15.936	(1.106)	4835022	120.000	117
	91 Acetophenone	105	4.957	4.957	(1.088)	2459570	120.000	122(M)
	156 Benzaldehyde	77	4.175	4.175	(0.916)	604070	120.000	89.5(M)
	157 Caprolactam	113	6.395	6.395	(1.100)	735800	120.000	121(M)
	158 Biphenyl	154	7.145	7.145	(1.568)	4271550	120.000	114(M)
	145 1-Methylnaphthalene	142	6.602	6.602	(1.136)	4134798	120.000	112
	159 Atrazine	200	9.293	9.293	(0.970)	578336	120.000	117(M)

QC Flag Legend

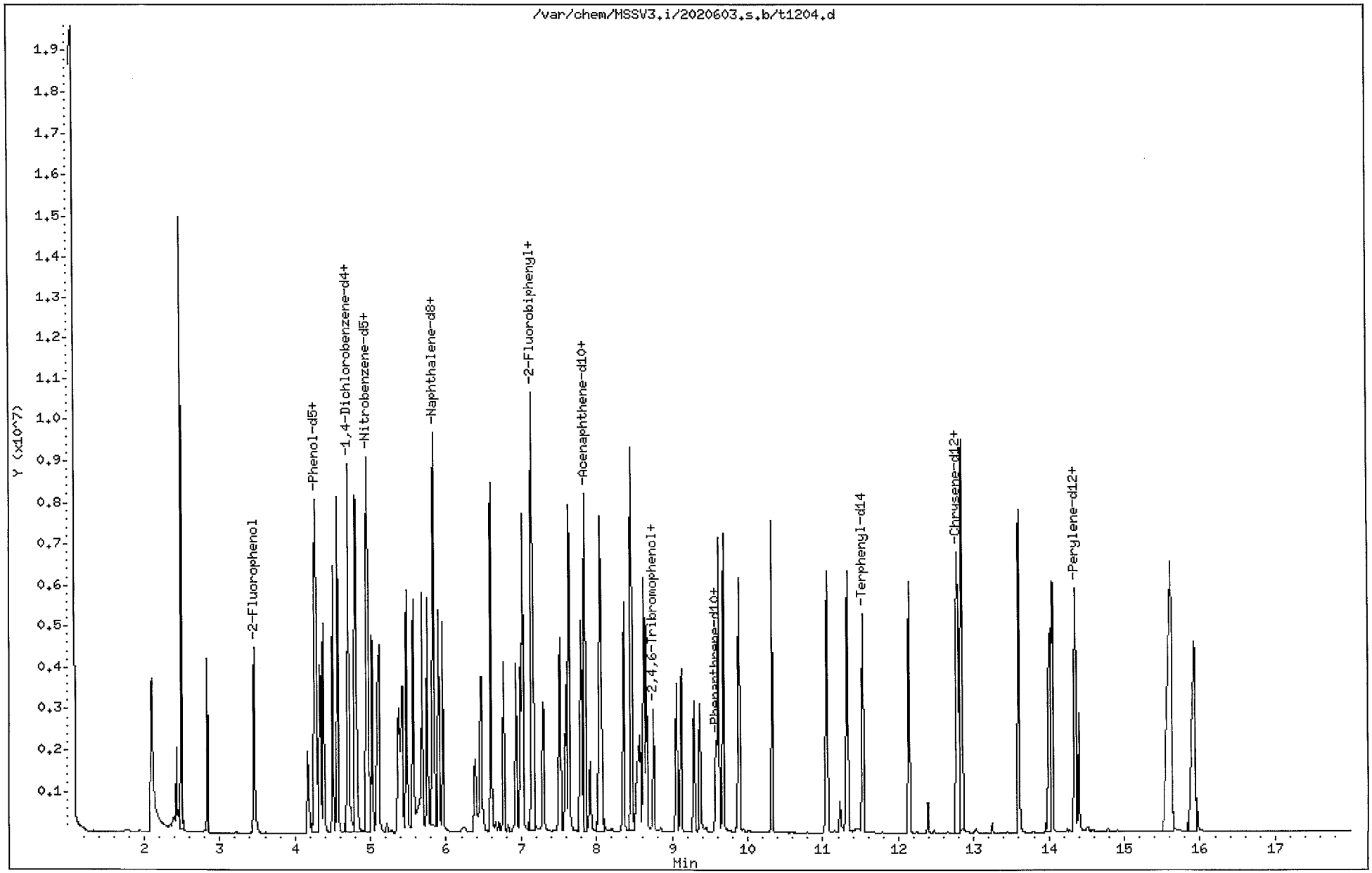
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000242

Data File: /var/chem/MSSV3.i/2020603.s.b/t1204.d
Date : 03-JUN-2002 13:51
Client ID: SSTD120
Sample Info: SSTD120*3-29-4
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1205.d
Lab Smp Id: SSTD160 Client Smp ID: SSTD160
Inj Date : 03-JUN-2002 14:18
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD160*3-29-5
Misc Info : SSTD160*3-29-5
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:15 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:18 Cal File: t1205.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
1 n-Nitrosodimethylamine	42	2.132	2.132	(0.468)	1295551	160.000	160
2 Pyridine	79	2.124	2.124	(0.466)	3574510	160.000	158
$ 3 2-Fluorophenol	112	3.465	3.465	(0.760)	3469924	160.000	155
$ 4 Phenol-d5	99	4.279	4.279	(0.939)	3318954	160.000	140
5 Aniline	93	4.295	4.295	(0.942)	3164593	160.000	139
6 Phenol +	94	4.295	4.295	(0.942)	3498788	160.000	135
7 bis(-2-Chloroethyl)Ether	63	4.351	4.351	(0.954)	2337265	160.000	147
8 2-Chlorophenol	128	4.391	4.391	(0.963)	3705384	160.000	151
9 1,3-Dichlorobenzene	146	4.511	4.511	(0.989)	3707592	160.000	144
* 10 1,4-Dichlorobenzene-d4	152	4.559	4.559	(1.000)	627368	40.0000	
11 1,4-Dichlorobenzene +	146	4.583	4.583	(1.005)	3476232	160.000	141
12 Benzyl alcohol	108	4.735	4.735	(1.039)	1907621	160.000	146(M)
13 1,2-Dichlorobenzene	146	4.719	4.719	(1.035)	3084642	160.000	136

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.814	4.814	(1.056)	5254831	160.000	141
	15 2-Methylphenol	108	4.822	4.822	(1.058)	2657649	160.000	144
	16 N-Nitroso-di-n-propylamine++	70	4.998	4.998	(1.096)	1607218	160.000	151(M)
	17 3- & 4-Methylphenol	108	4.982	4.982	(1.093)	2361760	160.000	142
	18 Hexachloroethane	117	5.030	5.030	(1.103)	1131407	160.000	146
$	19 Nitrobenzene-d5	82	5.110	5.110	(0.878)	2403849	160.000	151
	20 Nitrobenzene	77	5.126	5.126	(0.881)	2289705	160.000	152
	21 Isophorone	82	5.389	5.389	(0.926)	5051070	160.000	145
	22 2-Nitrophenol +	139	5.429	5.429	(0.933)	1991140	160.000	147
	23 2,4-Dimethyphenol	107	5.493	5.493	(0.944)	2603592	160.000	150
	24 bis(-2-Chloroethoxy)methane	93	5.581	5.581	(0.959)	3396541	160.000	148
	25 Benzoic Acid	122	5.701	5.701	(1.250)	1286273	160.000	135(H)
	26 2,4-Dichlorophenol +	162	5.693	5.693	(0.978)	2345179	160.000	143
	27 1,2,4-Trichlorobenzene	180	5.757	5.757	(0.989)	2433716	160.000	149
*	28 Naphthalene-d8	136	5.821	5.821	(1.000)	2302878	40.0000	
	29 Naphthalene	128	5.844	5.844	(1.004)	8536960	160.000	142
	30 4-Chloroaniline	127	5.916	5.916	(1.016)	3137197	160.000	141
	31 Hexachlorobutadiene +	225	5.964	5.964	(1.025)	1103910	160.000	142
	32 4-Chloro-3-Methylphenol +	107	6.475	6.475	(1.112)	2094472	160.000	145
	33 2-Methylnaphthalene	142	6.603	6.603	(1.134)	5346084	160.000	141
	34 Hexachlorocyclopentadiene ++	237	6.771	6.771	(0.867)	1270257	160.000	169(M)
	35 2,4,6-Trichlorophenol +	196	6.946	6.946	(0.890)	1393129	160.000	162
	36 2,4,5-Trichlorphenol	196	7.002	7.002	(0.897)	1350410	160.000	151
$	37 2-Fluorobiphenyl	172	7.034	7.034	(0.901)	4685720	160.000	143
	38 2-Chloronaphthalene	162	7.170	7.170	(0.918)	4243032	160.000	135
	39 2-Nitroaniline	138	7.306	7.306	(0.936)	2162340	160.000	160
	40 Dimethylphthalate	163	7.529	7.529	(0.964)	5304345	160.000	149
	41 2,6-Dinitrotoluene	165	7.609	7.609	(0.974)	1411031	160.000	155
	42 Acenaphthylene	152	7.649	7.649	(0.980)	7730026	160.000	150
	43 3-Nitroaniline	138	7.809	7.809	(1.000)	1440245	160.000	147
*	44 Acenaphthene-d10	164	7.809	7.809	(1.000)	935807	40.0000	
	45 Acenaphthene +	153	7.857	7.857	(1.006)	4650279	160.000	147
	46 2,4-Dinitrophenol ++	184	7.928	7.928	(1.015)	743451	160.000	187
	47 Dibenzofuran	168	8.064	8.064	(1.033)	5679070	160.000	146
	48 2,4-Dinitrotoluene	165	8.080	8.080	(1.035)	1670563	160.000	152
	49 4-Nitrophenol ++	109	8.048	8.048	(1.031)	315684	160.000	162
	50 Diethylphthalate	149	8.376	8.376	(1.073)	5080082	160.000	152
	51 Fluorene	166	8.471	8.471	(1.085)	3938204	160.000	138
	52 4-Chlorophenyl-phenylether	204	8.479	8.479	(1.086)	1481480	160.000	134
	53 4-Nitroaniline	138	8.575	8.575	(1.098)	1477200	160.000	156
	54 4,6-Dinitro-o-cresol	198	8.591	8.591	(0.896)	999097	160.000	190
	55 N-nitrosodiphenylamine (1)+	169	8.639	8.639	(0.901)	3322854	160.000	145(M)
	56 Azobenzene	77	8.671	8.671	(1.902)	3821102	160.000	147
$	57 2,4,6-Tribromophenol	332	8.767	8.767	(1.123)	534170	160.000	158
	58 4-Bromophenyl-phenylether	248	9.062	9.062	(0.945)	1010538	160.000	151
	59 Hexachlorobenzene	284	9.134	9.134	(0.953)	1155919	160.000	135
	60 Pentachlorophenol +	266	9.374	9.374	(0.978)	835382	160.000	171

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.589	9.589	(1.000)	1287071	40.0000	
	62 Phenanthrene	178	9.629	9.629	(1.004)	5551128	160.000	137
	63 Anthracene	178	9.693	9.693	(1.011)	5499063	160.000	133
	64 Carbazole	167	9.893	9.893	(1.032)	5503012	160.000	150
	65 Di-n-butylphthalate	149	10.332	10.332	(1.077)	7833237	160.000	146
M	66 Total Methylphenol	108				5019409	160.000	143
	67 Fluoranthene +	202	11.066	11.066	(1.154)	4871211	160.000	147
	68 Benzidine	184	11.242	11.242	(0.878)	248147	160.000	93.9
	69 Pyrene	202	11.338	11.338	(0.885)	4874191	160.000	145
$	70 Terphenyl-d14	244	11.537	11.537	(0.901)	3133520	160.000	139
	71 Butylbenzylphthalate	149	12.152	12.152	(0.949)	3163086	160.000	152
	72 Benzo(a)anthracene	228	12.791	12.791	(0.999)	4137653	160.000	131
	73 3,3'-Dichlorobenzidine	252	12.783	12.783	(0.998)	1192286	160.000	131
*	74 Chrysene-d12	240	12.807	12.807	(1.000)	878262	40.0000	
	75 Chrysene	228	12.847	12.847	(1.003)	3484208	160.000	122
	76 bis(2-Ethylhexyl)phthalate	149	12.855	12.855	(1.004)	3219393	160.000	120
	77 Di-n-octylphthalate +	149	13.605	13.605	(1.062)	7495334	160.000	152
	78 Benzo(b)fluoranthene	252	14.037	14.037	(0.974)	6881720	160.000	160
	79 Benzo(k)fluoranthene	252	14.061	14.061	(0.976)	3670143	160.000	100(H)
	80 Benzo(a)pyrene +	252	14.364	14.364	(0.997)	5018034	160.000	142
*	81 Perylene-d12	264	14.404	14.404	(1.000)	929553	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.634	15.634	(1.085)	6848683	160.000	146
	83 Dibenzo(a,h)anthracene	278	15.642	15.642	(1.086)	5365377	160.000	141
	84 Benzo(g,h,i)perylene	276	15.953	15.953	(1.108)	6318274	160.000	153
	91 Acetophenone	105	4.974	4.974	(1.091)	3267744	160.000	155(M)
	156 Benzaldehyde	77	4.176	4.176	(0.916)	629186	160.000	89.3(M)
	157 Caprolactam	113	6.419	6.419	(1.103)	935653	160.000	150(M)
	158 Biphenyl	154	7.154	7.154	(1.569)	5096096	160.000	130(M)
	145 1-Methylnaphthalene	142	6.603	6.603	(1.134)	5346084	160.000	141
	159 Atrazine	200	9.302	9.302	(0.970)	706587	160.000	144(M)

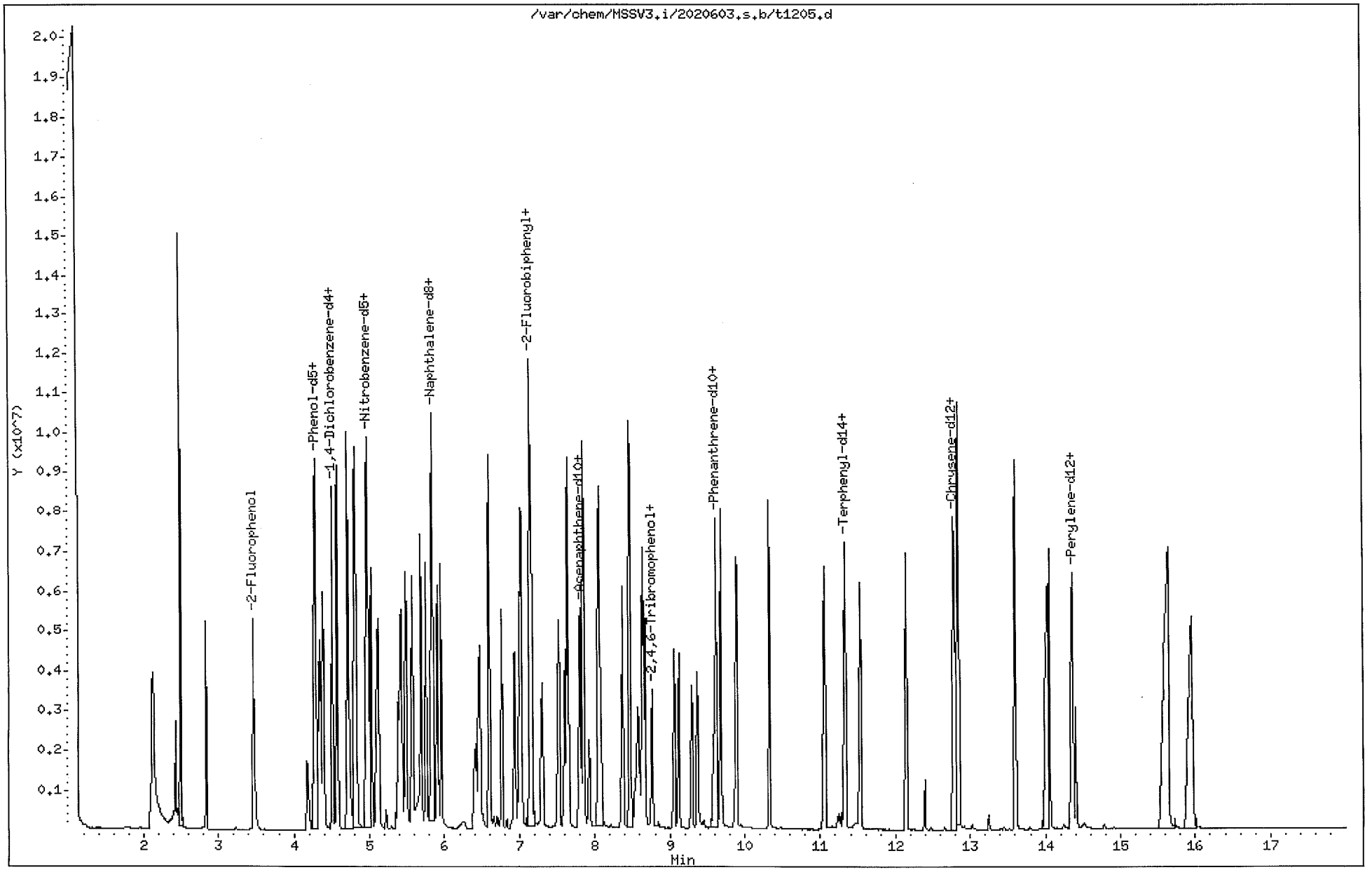
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000246

Data File: /var/chem/MSSV3.i/2020603.s.b/t1205.d
Date : 03-JUN-2002 14:18
Client ID: SSTD160
Sample Info: SSTD160*3-29-5
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i
Operator: rlw
Column diameter: 0.25



Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020603.s.b/t1206.d
Lab Smp Id: SSTD200 Client Smp ID: SSTD200
Inj Date : 03-JUN-2002 14:44
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD200*3-29-6
Misc Info : SSTD200*3-29-6
Comment :
Method : /var/chem/MSSV3.i/2020603.s.b/8270C_03.m
Meth Date : 26-Jun-2002 19:15 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	1 n-Nitrosodimethylamine	42	2.156	2.156	(0.472)	1576102	200.000	200(MH)
	2 Pyridine	79	2.148	2.148	(0.470)	4548423	200.000	207(A)
$	3 2-Fluorophenol	112	3.465	3.465	(0.759)	4465194	200.000	205(A)
$	4 Phenol-d5	99	4.279	4.279	(0.937)	4021222	200.000	174(A)
	5 Aniline	93	4.319	4.319	(0.946)	3259921	200.000	147(M)
	6 Phenol +	94	4.295	4.295	(0.941)	4350761	200.000	173
	7 bis(-2-Chloroethyl)Ether	63	4.351	4.351	(0.953)	2913177	200.000	188
	8 2-Chlorophenol	128	4.391	4.391	(0.962)	4555948	200.000	191
	9 1,3-Dichlorobenzene	146	4.511	4.511	(0.988)	4485902	200.000	179
*	10 1,4-Dichlorobenzene-d4	152	4.567	4.567	(1.000)	610828	40.0000	
	11 1,4-Dichlorobenzene +	146	4.583	4.583	(1.003)	4063959	200.000	169
	12 Benzyl alcohol	108	4.743	4.743	(1.038)	2313986	200.000	182(M)
	13 1,2-Dichlorobenzene	146	4.719	4.719	(1.033)	3701798	200.000	168

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.814	4.814	(1.054)	6343082	200.000	174
	15 2-Methylphenol	108	4.830	4.830	(1.058)	3318636	200.000	184(M)
	16 N-Nitroso-di-n-propylamine++	70	5.014	5.014	(1.098)	1819714	200.000	175
	17 3- & 4-Methylphenol	108	4.990	4.990	(1.093)	2834914	200.000	175
	18 Hexachloroethane	117	5.030	5.030	(1.101)	1233636	200.000	163
$	19 Nitrobenzene-d5	82	5.118	5.118	(0.879)	2954163	200.000	189(A)
	20 Nitrobenzene	77	5.134	5.134	(0.882)	2751186	200.000	186
	21 Isophorone	82	5.397	5.397	(0.927)	6107619	200.000	179
	22 2-Nitrophenol +	139	5.437	5.437	(0.934)	2526347	200.000	190
	23 2,4-Dimethyphenol	107	5.509	5.509	(0.946)	3258070	200.000	190
	24 bis(-2-Chloroethoxy)methane	93	5.589	5.589	(0.960)	4130611	200.000	183
	25 Benzoic Acid	122	5.733	5.733	(1.255)	1519105	200.000	164(M)
	26 2,4-Dichlorophenol +	162	5.701	5.701	(0.979)	2843876	200.000	176
	27 1,2,4-Trichlorobenzene	180	5.765	5.765	(0.990)	3001349	200.000	187
*	28 Naphthalene-d8	136	5.820	5.820	(1.000)	2265095	40.0000	
	29 Naphthalene	128	5.852	5.852	(1.005)	10031730	200.000	170(A)
	30 4-Chloroaniline	127	5.924	5.924	(1.018)	3892138	200.000	178
	31 Hexachlorobutadiene +	225	5.964	5.964	(1.025)	1329028	200.000	174
	32 4-Chloro-3-Methylphenol +	107	6.483	6.483	(1.114)	2580740	200.000	182
	33 2-Methylnaphthalene	142	6.611	6.611	(1.136)	6283686	200.000	169
	34 Hexachlorocyclopentadiene ++	237	6.771	6.771	(0.867)	1558983	200.000	207(AM)
	35 2,4,6-Trichlorophenol +	196	6.954	6.954	(0.891)	1798770	200.000	209(A)
	36 2,4,5-Trichlorphenol	196	6.954	6.954	(0.891)	1798770	200.000	201(A)
$	37 2-Fluorobiphenyl	172	7.034	7.034	(0.901)	5493337	200.000	167(A)
	38 2-Chloronaphthalene	162	7.178	7.178	(0.919)	5033403	200.000	160
	39 2-Nitroaniline	138	7.322	7.322	(0.938)	2700414	200.000	199
	40 Dimethylphthalate	163	7.537	7.537	(0.965)	6673871	200.000	187
	41 2,6-Dinitrotoluene	165	7.617	7.617	(0.975)	1767843	200.000	194
	42 Acenaphthylene	152	7.657	7.657	(0.981)	9240617	200.000	180
	43 3-Nitroaniline	138	7.817	7.817	(1.001)	1786553	200.000	182
*	44 Acenaphthene-d10	164	7.809	7.809	(1.000)	936858	40.0000	
	45 Acenaphthene +	153	7.865	7.865	(1.007)	5634265	200.000	178
	46 2,4-Dinitrophenol ++	184	7.944	7.944	(1.017)	993821	200.000	250(A)
	47 Dibenzofuran	168	8.072	8.072	(1.034)	6710979	200.000	173
	48 2,4-Dinitrotoluene	165	8.096	8.096	(1.037)	2080766	200.000	189
	49 4-Nitrophenol ++	109	8.056	8.056	(1.032)	385096	200.000	197
	50 Diethylphthalate	149	8.392	8.392	(1.075)	6252887	200.000	187
	51 Fluorene	166	8.471	8.471	(1.085)	4725450	200.000	165
	52 4-Chlorophenyl-phenylether	204	8.479	8.479	(1.086)	1724516	200.000	156
	53 4-Nitroaniline	138	8.591	8.591	(1.100)	1781811	200.000	188
	54 4,6-Dinitro-o-cresol	198	8.607	8.607	(0.897)	1216659	200.000	231(A)
	55 N-nitrosodiphenylamine (1)+	169	8.655	8.655	(0.902)	3995410	200.000	174(M)
	56 Azobenzene	77	8.679	8.679	(1.900)	4517198	200.000	178
$	57 2,4,6-Tribromophenol	332	8.775	8.775	(1.124)	658204	200.000	194(A)
	58 4-Bromophenyl-phenylether	248	9.070	9.070	(0.945)	1238448	200.000	185
	59 Hexachlorobenzene	284	9.134	9.134	(0.952)	1422052	200.000	165
	60 Pentachlorophenol +	266	9.382	9.382	(0.978)	1015405	200.000	207(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.597	9.597	(1.000)	1290437	40.0000	
	62 Phenanthrene	178	9.637	9.637	(1.004)	6924104	200.000	171
	63 Anthracene	178	9.701	9.701	(1.011)	6724359	200.000	162
	64 Carbazole	167	9.901	9.901	(1.032)	6841137	200.000	186
	65 Di-n-butylphthalate	149	10.340	10.340	(1.077)	9007102	200.000	167
M	66 Total Methylphenol	108				6153550	200.000	180
	67 Fluoranthene +	202	11.066	11.066	(1.153)	6015725	200.000	181
	68 Benzidine	184	11.250	11.250	(0.878)	196977	200.000	78.7
	69 Pyrene	202	11.346	11.346	(0.885)	5971320	200.000	187
$	70 Terphenyl-d14	244	11.545	11.545	(0.901)	3666686	200.000	172(A)
	71 Butylbenzylphthalate	149	12.152	12.152	(0.948)	3903695	200.000	198
	72 Benzo(a)anthracene	228	12.799	12.799	(0.999)	4813948	200.000	161
	73 3,3'-Dichlorobenzidine	252	12.791	12.791	(0.998)	1303650	200.000	151
*	74 Chrysene-d12	240	12.815	12.815	(1.000)	832072	40.0000	
	75 Chrysene	228	12.855	12.855	(1.003)	4111902	200.000	152
	76 bis(2-Ethylhexyl)phthalate	149	12.855	12.855	(1.003)	3323002	200.000	130
	77 Di-n-octylphthalate +	149	13.605	13.605	(1.062)	8932142	200.000	191
	78 Benzo(b)fluoranthene	252	14.045	14.045	(0.974)	8188478	200.000	191
	79 Benzo(k)fluoranthene	252	14.069	14.069	(0.976)	4524130	200.000	124(H)
	80 Benzo(a)pyrene +	252	14.372	14.372	(0.997)	6140597	200.000	174
*	81 Perylene-d12	264	14.412	14.412	(1.000)	923117	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.649	15.649	(1.086)	7581905	200.000	163
	83 Dibenzo(a,h)anthracene	278	15.657	15.657	(1.086)	6695203	200.000	177
	84 Benzo(g,h,i)perylene	276	15.961	15.961	(1.107)	7701579	200.000	187
	91 Acetophenone	105	4.982	4.982	(1.091)	3993949	200.000	195(M)
	156 Benzaldehyde	77	4.176	4.176	(0.914)	568107	200.000	82.8(M)
	157 Caprolactam	113	6.451	6.451	(1.108)	1261067	200.000	205(M)
	158 Biphenyl	154	7.162	7.162	(1.568)	6122020	200.000	161(M)
	145 1-Methylnaphthalene	142	6.611	6.611	(1.136)	6283686	200.000	168
	159 Atrazine	200	9.318	9.318	(0.971)	879730	200.000	179(M)

QC Flag Legend

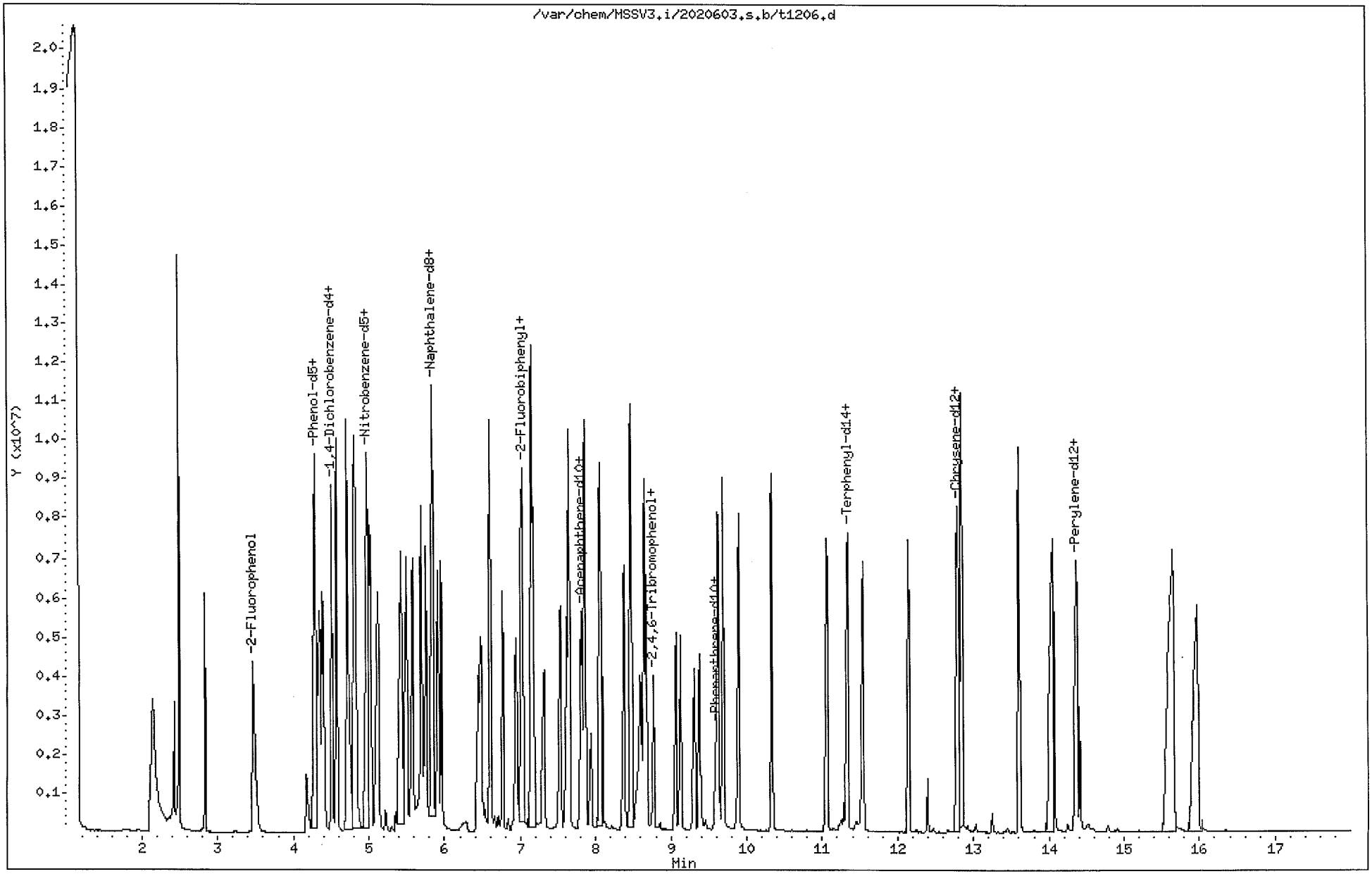
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000250

Data File: /var/chem/MSSV3.i/2020603.s.b/t1206.d
Date : 03-JUN-2002 14:44
Client ID: SSTD200
Sample Info: SSTD200*3-29-6
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date: 06/20/02 Time: 1434

Lab File ID: T1423 Init. Calib. Date(s): 06/03/02 06/03/02

Init. Calib. Times: 1231 1536

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Phenol +	1.649	1.682	0.050	-2.0	20.0
bis(-2-Chloroethyl)Ether	1.013	1.040	0.050	-2.7	50.0
2-Chlorophenol	1.566	1.576	0.050	-0.6	50.0
1,3-Dichlorobenzene	1.638	1.672	0.050	-2.1	50.0
1,4-Dichlorobenzene +	1.577	1.672	0.050	-6.0	20.0
1,2-Dichlorobenzene	1.442	1.555	0.050	-7.8	50.0
2-Methylphenol	1.181	1.207	0.050	-2.2	50.0
Bis(2-chloroisopropyl)ether	2.381	2.727	0.050	-14.5	50.0
3- & 4-Methylphenol	1.060	1.167	0.050	-10.1	50.0
N-Nitroso-di-n-propylamine++	0.679	0.739	0.050	-8.8	50.0
Hexachloroethane	0.496	0.533	0.050	-7.4	50.0
Nitrobenzene	0.262	0.291	0.050	-11.1	50.0
Isophorone	0.604	0.637	0.050	-5.5	50.0
2-Nitrophenol +	0.235	0.246	0.050	-4.7	20.0
2,4-Dimethyphenol	0.302	0.317	0.050	-5.0	50.0
2,4-Dichlorophenol +	0.286	0.297	0.050	-3.8	20.0
1,2,4-Trichlorobenzene	0.283	0.290	0.050	-2.5	50.0
Naphthalene	1.041	1.130	0.050	-8.5	50.0
4-Chloroaniline	0.386	0.424	0.050	-9.8	50.0
bis(-2-Chloroethoxy)methane	0.399	0.428	0.050	-7.3	50.0
Hexachlorobutadiene +	0.135	0.136	0.050	-0.7	20.0
4-Chloro-3-Methylphenol +	0.250	0.264	0.050	-5.6	20.0
2-Methylnaphthalene	0.658	0.702	0.050	-6.7	50.0
Hexachlorocyclopentadiene ++	0.321	0.345	0.050	-7.5	50.0
2,4,6-Trichlorophenol +	0.368	0.369	0.050	-0.3	20.0
2,4,5-Trichlorphenol	0.382	0.392	0.050	-2.6	50.0
2-Chloronaphthalene	1.343	1.325	0.050	1.3	50.0
2-Nitroaniline	0.578	0.567	0.050	1.9	50.0
Dimethylphthalate	1.520	1.476	0.050	2.9	50.0
Acenaphthylene	2.197	2.273	0.050	-3.4	50.0
2,6-Dinitrotoluene	0.389	0.391	0.050	-0.5	50.0
3-Nitroaniline	0.418	0.412	0.050	1.4	50.0
Acenaphthene +	1.350	1.393	0.050	-3.2	20.0
2,4-Dinitrophenol ++	0.169	0.141	0.050	16.6	50.0
4-Nitrophenol ++	0.083	0.092	0.050	-10.8	50.0
Dibenzofuran	1.657	1.772	0.050	-6.9	50.0
2,4-Dinitrotoluene	0.469	0.489	0.050	-4.3	50.0

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date: 06/20/02 Time: 1434

Lab File ID: T1423 Init. Calib. Date(s): 06/03/02 06/03/02

Init. Calib. Times: 1231 1536

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.426	1.463	0.050	-2.6	50.0
4-Chlorophenyl-phenylether	0.471	0.528	0.050	-12.1	50.0
Fluorene	1.222	1.353	0.050	-10.7	50.0
4-Nitroaniline	0.404	0.387	0.050	4.2	50.0
4,6-Dinitro-o-cresol	0.163	0.174	0.050	-6.7	50.0
N-nitrosodiphenylamine (1)+	0.713	0.712	0.050	0.1	20.0
4-Bromophenyl-phenylether	0.208	0.204	0.050	1.9	50.0
Hexachlorobenzene	0.266	0.243	0.050	8.6	50.0
Pentachlorophenol +	0.152	0.159	0.050	-4.6	20.0
Phenanthrene	1.255	1.259	0.050	-0.3	50.0
Anthracene	1.289	1.288	0.050	0.1	50.0
Di-n-butylphthalate	1.668	1.807	0.050	-8.3	50.0
Fluoranthene +	1.028	1.092	0.050	-6.2	20.0
Pyrene	1.533	1.650	0.050	-7.6	50.0
Butylbenzylphthalate	0.946	1.068	0.050	-12.9	50.0
3,3'-Dichlorobenzidine	0.415	0.417	0.050	-0.5	50.0
Benzo(a)anthracene	1.441	1.317	0.050	8.6	50.0
Chrysene	1.297	1.335	0.050	-2.9	50.0
bis(2-Ethylhexyl)phthalate	1.225	1.489	0.050	-21.6	50.0
Di-n-octylphthalate +	2.252	2.427	0.050	-7.8	20.0
Benzo(b)fluoranthene	1.856	1.736	0.050	6.5	50.0
Benzo(k)fluoranthene	1.579	1.613	0.050	-2.2	50.0
Benzo(a)pyrene +	1.525	1.551	0.050	-1.7	20.0
Indeno(1,2,3-cd)pyrene	2.012	1.998	0.050	0.7	50.0
Dibenzo(a,h)anthracene	1.640	1.640	0.050	0.0	50.0
Benzo(g,h,i)perylene	1.781	1.732	0.050	2.8	50.0
Pyridine	1.440	1.540	0.050	-6.9	50.0
n-Nitrosodimethylamine	0.517	0.506	0.050	2.1	50.0
Aniline	1.455	1.776	0.050	-22.1	50.0
Benzyl alcohol	0.830	0.872	0.050	-5.1	50.0
Benzidine	0.120	0.150	0.050	-25.0	50.0
Azobenzene	1.661	1.788	0.050	-7.6	50.0
Benzoic Acid	0.415	0.451	0.050	-8.7	50.0
Total Methylphenol	2.241	2.374	0.050	-5.9	50.0
Carbazole	1.140	1.156	0.050	-1.4	50.0
Acetophenone	1.349	1.524	0.050	-13.0	50.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: MSSV3 Calibration Date: 06/20/02 Time: 1434

Lab File ID: T1423 Init. Calib. Date(s): 06/03/02 06/03/02

Init. Calib. Times: 1231 1536

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1-Methylnaphthalene	0.658	0.702	0.050	-6.7	50.0
Benzaldehyde	0.459	0.256	0.050	44.2	50.0
Caprolactam	0.096	0.110	0.050	-14.6	50.0
Biphenyl	2.485	2.685	0.050	-8.0	50.0
Atrazine	0.152	0.176	0.050	-15.8	50.0
Nitrobenzene-d5	0.277	0.295	0.050	-6.5	50.0
2-Fluorobiphenyl	1.402	1.366	0.050	2.6	50.0
Terphenyl-d14	1.024	1.027	0.050	-0.3	50.0
Phenol-d5	1.512	1.585	0.050	-4.8	50.0
2-Fluorophenol	1.424	1.438	0.050	-1.0	50.0
2,4,6-Tribromophenol	0.144	0.153	0.050	-6.2	50.0

All other compounds must meet a minimum RRF of 0.010.

Data File: /var/chem/MSSV3.i/2020620.s.b/t1422.d

Date : 20-JUN-2002 14:17

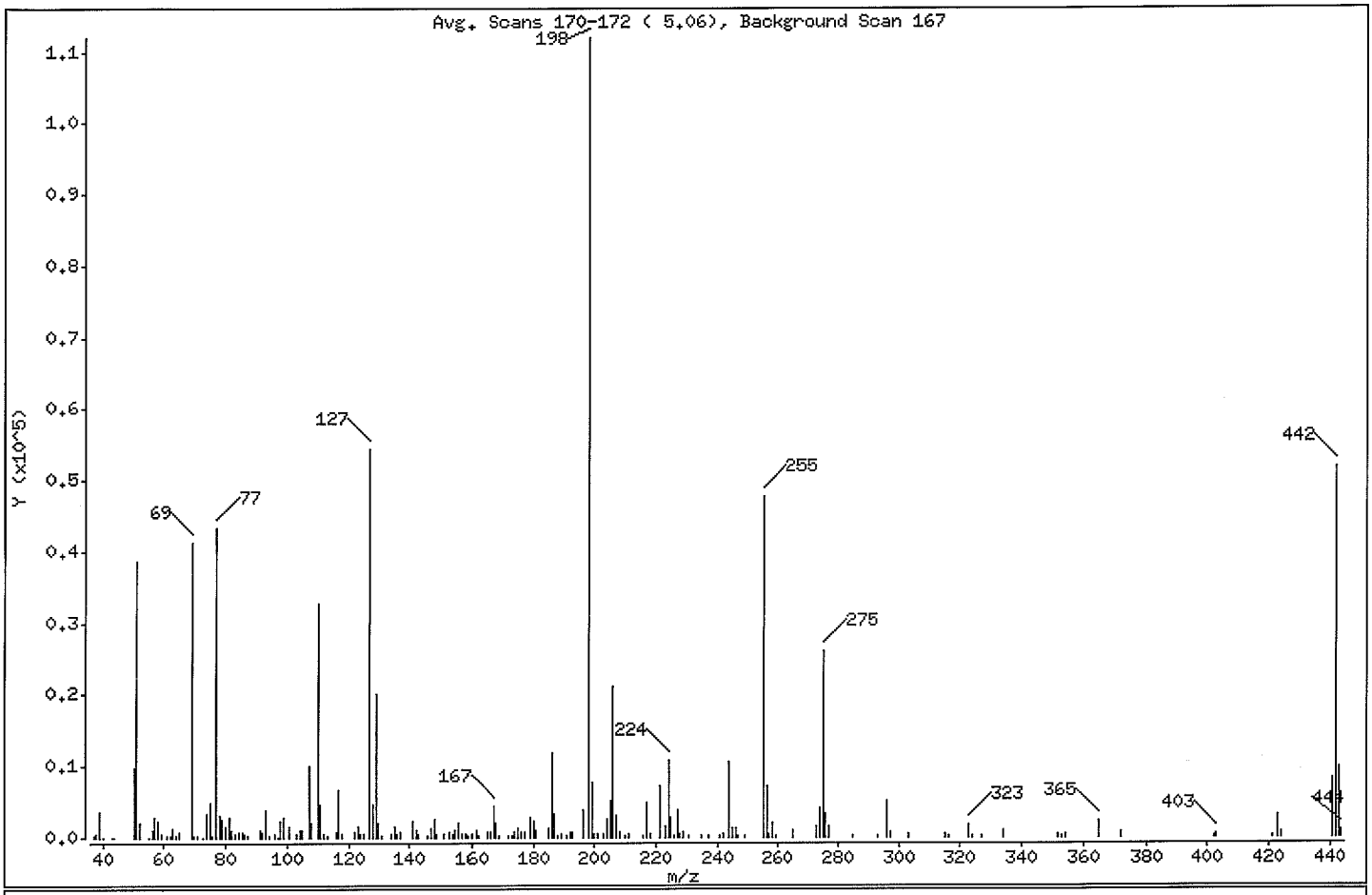
Client ID: 3-18-4 Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0 Operator: rlw

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.67
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.94
70	Less than 2.00% of mass 69	0.16 (0.42)
127	40.00 - 60.00% of mass 198	48.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	23.19
365	Greater than 1.00% of mass 198	1.97
441	Present, but less than mass 443	7.41
442	40.00 - 100.00% of mass 198	46.26
443	17.00 - 23.00% of mass 442	8.82 (19.06)

Data File: /var/chem/MSSV3.i/2020620.s.b/t1422.d

Date : 20-JUN-2002 14:17

Client ID: 3-18-4 Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0 Operator: rlw

Column phase: Column diameter: 2.00

Data File: t1422.d
Spectrum: Avg. Scans 170-172 (5.06), Background Scan 167
Location of Maximum: 198.00
Number of points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	194	103.00	567	168.00	2082	241.00	167
38.00	625	104.00	930	169.00	203	242.00	490
39.00	3683	105.00	958	172.00	204	244.00	10543
40.00	14	107.00	10184	173.00	213	245.00	1338
43.00	30	108.00	1949	174.00	798	246.00	1276
44.00	111	110.00	32776	175.00	1347	247.00	171
50.00	9686	111.00	4631	176.00	683	249.00	228
51.00	38816	112.00	549	177.00	772	255.00	47816
52.00	2092	113.00	337	179.00	2768	256.00	7333
55.00	5	116.00	654	180.00	2248	257.00	501
56.00	1049	117.00	6761	181.00	926	258.00	2190
57.00	2867	118.00	414	185.00	1412	259.00	225
58.00	2426	122.00	843	186.00	11933	265.00	948
59.00	434	123.00	1420	187.00	3293	273.00	1466
61.00	286	124.00	634	188.00	240	274.00	4107
62.00	296	125.00	614	189.00	634	275.00	25960
63.00	1298	127.00	54488	191.00	229	276.00	3478
64.00	179	128.00	4653	192.00	843	277.00	1661
65.00	704	129.00	20064	193.00	831	285.00	190
69.00	41360	130.00	1986	196.00	3796	293.00	185
70.00	174	131.00	222	198.00	111968	296.00	5065
71.00	192	134.00	586	199.00	7697	297.00	737
73.00	26	135.00	1576	200.00	556	303.00	623
74.00	3345	136.00	625	201.00	626	315.00	525
75.00	4924	137.00	742	203.00	552	316.00	358
76.00	305	141.00	2425	204.00	2641	323.00	1858
77.00	43352	142.00	1072	205.00	5154	324.00	178
78.00	2970	143.00	542	206.00	21184	327.00	202
79.00	2537	146.00	281	207.00	3084	334.00	979
80.00	1599	147.00	1401	208.00	664	352.00	501
81.00	2744	148.00	2461	210.00	357	353.00	272
82.00	975	149.00	576	211.00	464	354.00	610
83.00	395	151.00	536	216.00	258	365.00	2210
84.00	645	153.00	681	217.00	4856	372.00	869
85.00	855	154.00	570	218.00	555	402.00	214

Data File: /var/chem/MSSV3.i/2020620.s.b/t1422.d

Date : 20-JUN-2002 14:17

Client ID: 3-18-4

Instrument: MSSV3.i

Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00

Data File: t1422.d
Spectrum: Avg. Scans 170-172 (5.06), Background Scan 167
Location of Maximum: 198.00
Number of points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	595	155.00	1109	221.00	7308	403.00	472
87.00	210	156.00	1965	223.00	1444	421.00	239
91.00	985	157.00	517	224.00	10798	423.00	3103
92.00	687	158.00	493	225.00	2923	424.00	714
93.00	3763	159.00	208	226.00	201	441.00	8296
94.00	201	160.00	624	227.00	3968	442.00	51800
96.00	463	161.00	976	228.00	563	443.00	9872
97.00	10	162.00	225	229.00	839	444.00	935
98.00	2241	165.00	840	231.00	243		
99.00	2714	166.00	687	235.00	184		
101.00	1676	167.00	4274	237.00	185		

Data File: /var/chem/MSSV3.i/2020620.s.b/t1422.d

Date : 20-JUN-2002 14:17

Client ID: 3-18-4

Instrument: MSSV3.i

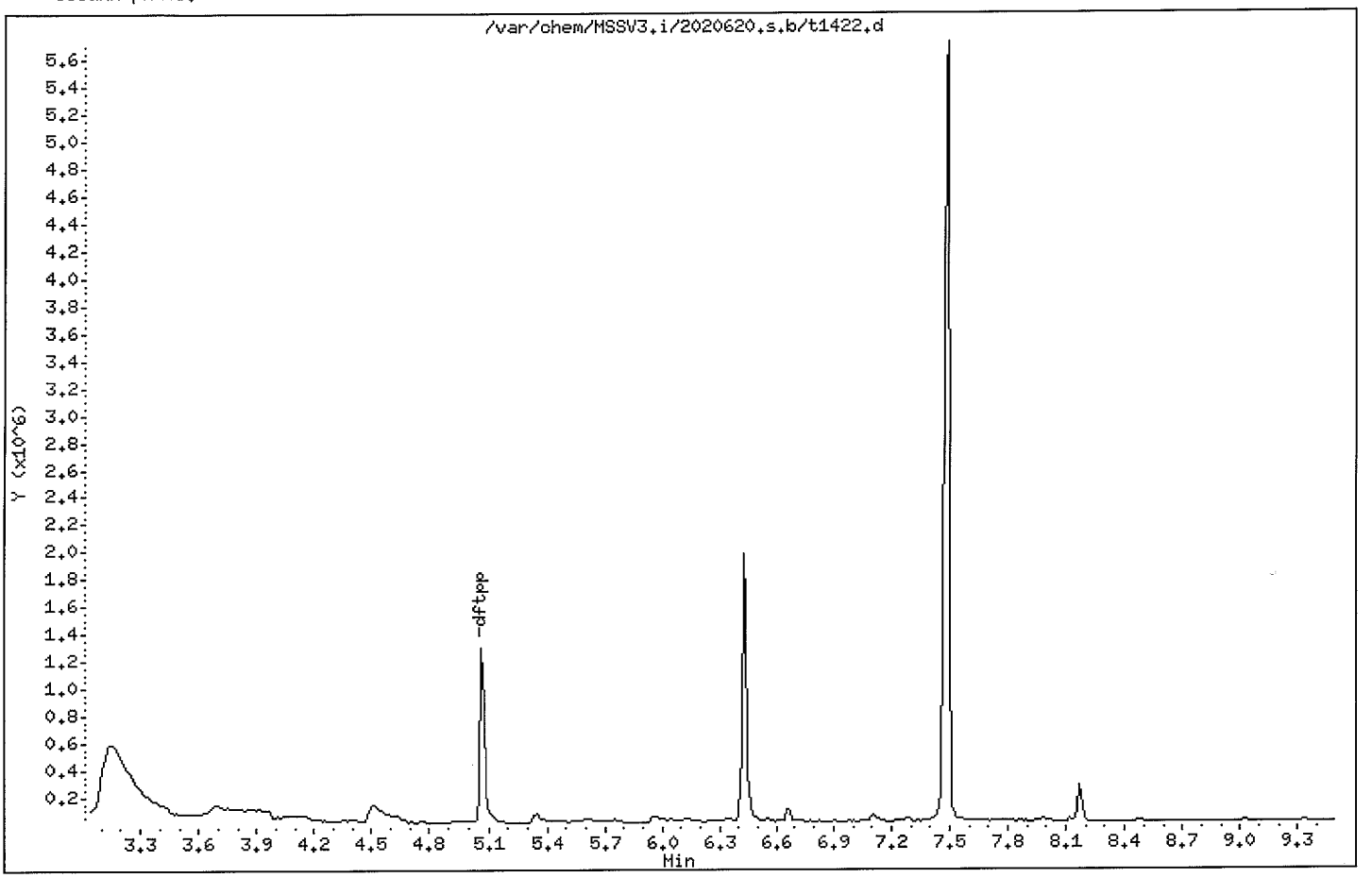
Sample Info: DFTPP*3-18-4

Volume Injected (uL): 1.0

Operator: rlw

Column phase:

Column diameter: 2.00



Gulf Coast Analytical Laboratories, Inc.

Data file : /var/chem/MSSV3.i/2020620.s.b/t1422c.d
Lab Smp Id: DFTPP
Client Smp ID: 3-18-4
Inj Date : 20-JUN-2002 14:17
Operator : rlw
Inst ID: MSSV3.i
Smp Info : DFTPP*3-18-4
Misc Info : DFTPP*3-18-4
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/dftppc_03.m
Meth Date : 07-Jun-2002 07:02 rlw
Quant Type: AREA%
Cal Date :
Cal File:
Als bottle: 1
QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 3.50
Sample Matrix: WATER
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	AREA	HEIGHT	HT/AREA	% AREA	COMPOUNDS
3.153	5430255	506427	0.093	23.07	
3.698	1478569	91228	0.062	6.28	
4.504	873148	134641	0.154	3.71	
5.061	2146746	1282351	0.597	9.12	
6.424	3266577	1948550	0.597	13.88	3 Benzidine
7.490	10345890	5692394	0.550	43.94	6 4,4DDT
	23541185	9655591		100.000	

Total unknown % area = 42

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1423.d
Lab Smp Id: SSTD050 Client Smp ID: SSTD050
Inj Date : 20-JUN-2002 14:34
Operator : rlw Inst ID: MSSV3.i
Smp Info : SSTD050*3-29-2
Misc Info : SSTD050*3-29-2
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 21-Jun-2002 13:12 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
1 n-Nitrosodimethylamine	42	1.876	1.876	(0.433)	421247	50.0000	48.9
2 Pyridine	79	1.908	1.908	(0.440)	1280989	50.0000	53.5
$ 3 2-Fluorophenol	112	3.297	3.297	(0.761)	1196319	50.0000	50.5
$ 4 Phenol-d5	99	4.096	4.096	(0.945)	1318291	50.0000	52.4
5 Aniline	93	4.104	4.104	(0.947)	1477357	50.0000	61.0
6 Phenol +	94	4.104	4.104	(0.947)	1398765	50.0000	51.0
7 bis(-2-Chloroethyl)Ether	63	4.167	4.167	(0.961)	865432	50.0000	51.3(H)
8 2-Chlorophenol	128	4.207	4.207	(0.971)	1311193	50.0000	50.3
9 1,3-Dichlorobenzene	146	4.335	4.335	(1.000)	1390444	50.0000	51.0
* 10 1,4-Dichlorobenzene-d4	152	4.383	4.383	(1.000)	665413	40.0000	
11 1,4-Dichlorobenzene +	146	4.335	4.335	(1.000)	1390444	50.0000	53.0
12 Benzyl alcohol	108	4.527	4.527	(1.044)	725015	50.0000	52.5
13 1,2-Dichlorobenzene	146	4.535	4.535	(1.046)	1293129	50.0000	53.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	14 Bis(2-chloroisopropyl)ether	45	4.639	4.639	(1.070)	2268293	50.0000	57.3
	15 2-Methylphenol	108	4.631	4.631	(1.068)	1004233	50.0000	51.1
	16 N-Nitroso-di-n-propylamine++	70	4.774	4.774	(1.101)	614432	50.0000	54.4
	17 3- & 4-Methylphenol	108	4.774	4.774	(1.101)	970763	50.0000	55.0
	18 Hexachloroethane	117	4.846	4.846	(1.118)	443536	50.0000	53.8
$	19 Nitrobenzene-d5	82	4.910	4.910	(0.872)	887196	50.0000	53.3
	20 Nitrobenzene	77	4.934	4.934	(0.877)	876867	50.0000	55.7
	21 Isophorone	82	5.173	5.173	(0.919)	1917715	50.0000	52.7
	22 2-Nitrophenol +	139	5.237	5.237	(0.930)	742169	50.0000	52.5
	23 2,4-Dimethyphenol	107	5.293	5.293	(0.940)	953821	50.0000	52.4
	24 bis(-2-Chloroethoxy)methane	93	5.389	5.389	(0.957)	1287448	50.0000	53.6
	25 Benzoic Acid	122	5.445	5.445	(1.256)	375500	50.0000	54.3
	26 2,4-Dichlorophenol +	162	5.493	5.493	(0.976)	894274	50.0000	52.0
	27 1,2,4-Trichlorobenzene	180	5.573	5.573	(0.990)	873785	50.0000	51.2
*	28 Naphthalene-d8	136	5.629	5.629	(1.000)	2408001	40.0000	
	29 Naphthalene	128	5.653	5.653	(1.004)	3401957	50.0000	54.3
	30 4-Chloroaniline	127	5.716	5.716	(1.016)	1275463	50.0000	54.8
	31 Hexachlorobutadiene +	225	5.772	5.772	(1.026)	409517	50.0000	50.4
	32 4-Chloro-3-Methylphenol +	107	6.275	6.275	(1.115)	793481	50.0000	52.6
	33 2-Methylnaphthalene	142	6.403	6.403	(1.138)	2113430	50.0000	53.3
	34 Hexachlorocyclopentadiene ++	237	6.579	6.579	(0.865)	455595	50.0000	53.7
	35 2,4,6-Trichlorophenol +	196	6.738	6.738	(0.886)	488087	50.0000	50.2
	36 2,4,5-Trichlorphenol	196	6.794	6.794	(0.893)	517275	50.0000	51.2
$	37 2-Fluorobiphenyl	172	6.834	6.834	(0.898)	1804923	50.0000	48.7
	38 2-Chloronaphthalene	162	6.962	6.962	(0.915)	1751206	50.0000	49.3
	39 2-Nitroaniline	138	7.098	7.098	(0.933)	749180	50.0000	49.0
	40 Dimethylphthalate	163	7.321	7.321	(0.962)	1949808	50.0000	48.5
	41 2,6-Dinitrotoluene	165	7.393	7.393	(0.972)	516189	50.0000	50.2
	42 Acenaphthylene	152	7.441	7.441	(0.978)	3003003	50.0000	51.7
	43 3-Nitroaniline	138	7.593	7.593	(0.998)	544209	50.0000	49.2
*	44 Acenaphthene-d10	164	7.609	7.609	(1.000)	1056976	40.0000	
	45 Acenaphthene +	153	7.649	7.649	(1.005)	1840995	50.0000	51.6
	46 2,4-Dinitrophenol ++	184	7.721	7.721	(1.015)	186302	50.0000	41.7(aM)
	47 Dibenzofuran	168	7.856	7.856	(1.033)	2341324	50.0000	53.5
	48 2,4-Dinitrotoluene	165	7.872	7.872	(1.035)	646112	50.0000	52.1
	49 4-Nitrophenol ++	109	7.832	7.832	(1.029)	122204	50.0000	55.5
	50 Diethylphthalate	149	8.168	8.168	(1.073)	1932658	50.0000	51.3
	51 Fluorene	166	8.264	8.264	(1.086)	1787507	50.0000	55.4
	52 4-Chlorophenyl-phenylether	204	8.271	8.271	(1.087)	698023	50.0000	56.1
	53 4-Nitroaniline	138	8.327	8.327	(1.094)	511406	50.0000	47.9
	54 4,6-Dinitro-o-cresol	198	8.359	8.359	(0.891)	310003	50.0000	53.3
	55 N-nitrosodiphenylamine (1)+	169	8.423	8.423	(0.898)	1270053	50.0000	49.9
	56 Azobenzene	77	8.463	8.463	(1.952)	1486893	50.0000	53.8(H)
$	57 2,4,6-Tribromophenol	332	8.551	8.551	(1.124)	201901	50.0000	52.8
	58 4-Bromophenyl-phenylether	248	8.854	8.854	(0.944)	364269	50.0000	49.1
	59 Hexachlorobenzene	284	8.918	8.918	(0.951)	434005	50.0000	45.6
	60 Pentachlorophenol +	266	9.166	9.166	(0.977)	283557	50.0000	52.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
*	61 Phenanthrene-d10	188	9.381	9.381	(1.000)	1426880	40.0000	
	62 Phenanthrene	178	9.413	9.413	(1.003)	2245763	50.0000	50.2
	63 Anthracene	178	9.477	9.477	(1.010)	2297784	50.0000	50.0
	64 Carbazole	167	9.685	9.685	(1.032)	2061742	50.0000	50.7
	65 Di-n-butylphthalate	149	10.140	10.140	(1.081)	3223085	50.0000	54.2
M	66 Total Methylphenol	108				1974996	50.0000	53.0
	67 Fluoranthene +	202	10.851	10.851	(1.157)	1948398	50.0000	53.1
	68 Benzidine	184	11.034	11.034	(0.877)	181821	50.0000	62.4
	69 Pyrene	202	11.114	11.114	(0.883)	1996903	50.0000	53.8
$	70 Terphenyl-d14	244	11.330	11.330	(0.900)	1242886	50.0000	50.1
	71 Butylbenzylphthalate	149	11.944	11.944	(0.949)	1293369	50.0000	56.5
	72 Benzo(a)anthracene	228	12.575	12.575	(0.999)	1594627	50.0000	45.7
	73 3,3'-Dichlorobenzidine	252	12.559	12.559	(0.998)	504372	50.0000	50.1
*	74 Chrysene-d12	240	12.583	12.583	(1.000)	968359	40.0000	
	75 Chrysene	228	12.623	12.623	(1.003)	1616101	50.0000	51.5
	76 bis(2-Ethylhexyl)phthalate	149	12.655	12.655	(1.006)	1802582	50.0000	60.8
	77 Di-n-octylphthalate +	149	13.398	13.398	(1.065)	2937370	50.0000	53.9
	78 Benzo(b)fluoranthene	252	13.789	13.789	(0.972)	1758420	50.0000	46.8
	79 Benzo(k)fluoranthene	252	13.821	13.821	(0.975)	1633911	50.0000	51.1
	80 Benzo(a)pyrene +	252	14.132	14.132	(0.997)	1571536	50.0000	50.8
*	81 Perylene-d12	264	14.180	14.180	(1.000)	810521	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.290	15.290	(1.078)	2023948	50.0000	49.6
	83 Dibenzo(a,h)anthracene	278	15.306	15.306	(1.079)	1661767	50.0000	50.0
	84 Benzo(g,h,i)perylene	276	15.593	15.593	(1.100)	1755217	50.0000	48.6
	91 Acetophenone	105	4.766	4.766	(1.099)	1268057	50.0000	56.5
	156 Benzaldehyde	77	4.008	4.008	(0.924)	212661	50.0000	27.9
	157 Caprolactam	113	6.164	6.164	(1.095)	330108	50.0000	57.1
	158 Biphenyl	154	6.946	6.946	(1.602)	2233609	50.0000	54.0
	145 1-Methylnaphthalene	142	6.403	6.403	(1.138)	2113430	50.0000	53.3
	159 Atrazine	200	9.094	9.094	(0.969)	314272	50.0000	57.9(M)

QC Flag Legend

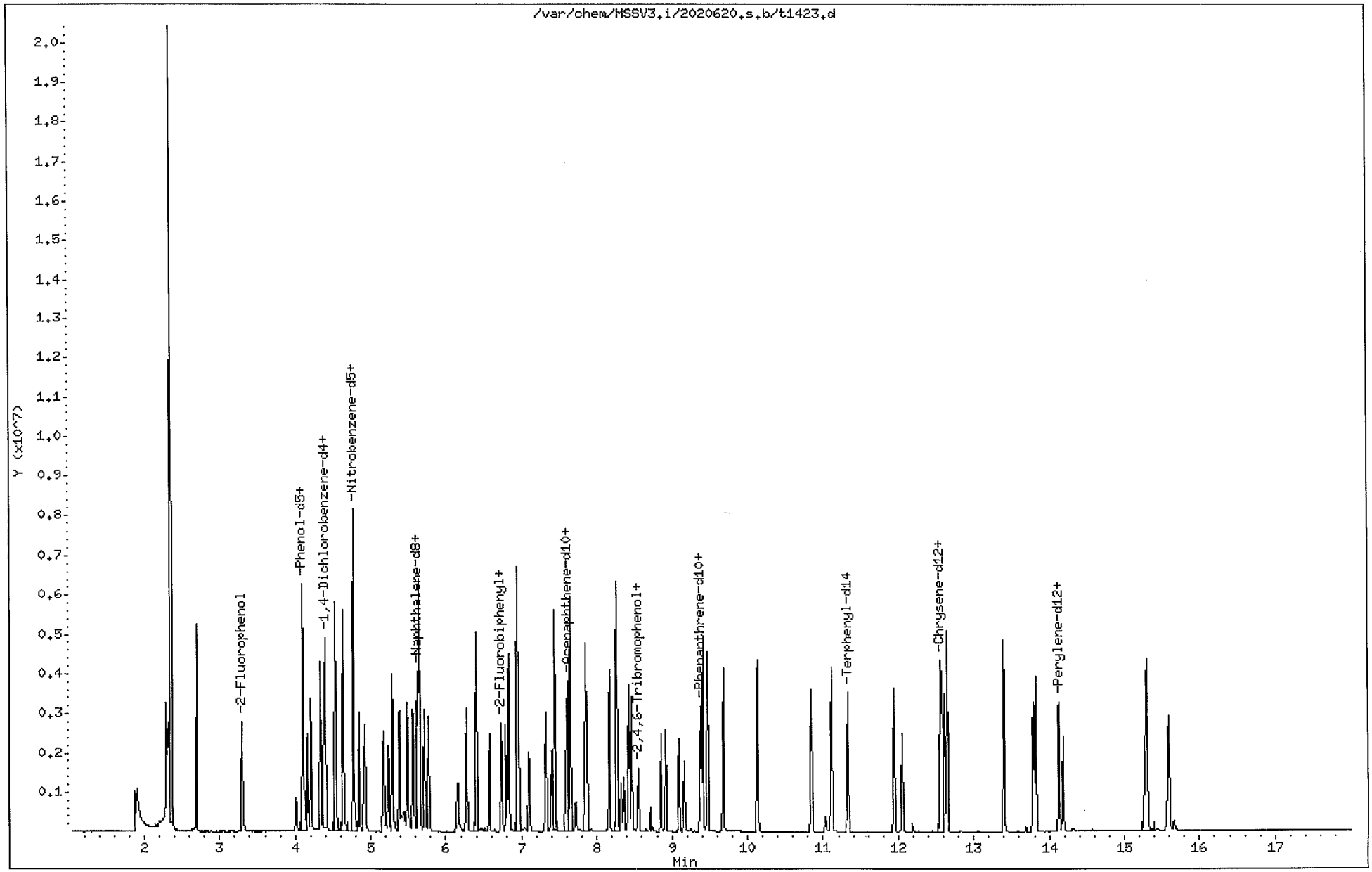
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000262

Data File: /var/chem/MSSV3.i/2020620.s.b/t1423.d
Date : 20-JUN-2002 14:34
Client ID: SSTD050
Sample Info: SSTD050*3-29-2
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46410	Method Blank	Solid	06/21/2002 16:59

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:04	RLW	145931

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
95-95-4	2,4,5-Trichlorophenol	ND	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	ND	330		ug/Kg
120-83-2	2,4-Dichlorophenol	ND	330		ug/Kg
105-67-9	2,4-Dimethylphenol	ND	330		ug/Kg
51-28-5	2,4-Dinitrophenol	ND	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	ND	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	ND	330		ug/Kg
91-58-7	2-Chloronaphthalene	ND	330		ug/Kg
95-57-8	2-Chlorophenol	ND	330		ug/Kg
91-57-6	2-Methylnaphthalene	ND	330		ug/Kg
88-74-4	2-Nitroaniline	ND	1650		ug/Kg
88-75-5	2-Nitrophenol	ND	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	ND	660		ug/Kg
99-09-2	3-Nitroaniline	ND	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	1650		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	ND	330		ug/Kg
59-50-7	4-Chloro-3-methylphenol	ND	330		ug/Kg
106-47-8	4-Chloroaniline	ND	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	330		ug/Kg
100-01-6	4-Nitroaniline	ND	1650		ug/Kg
100-02-7	4-Nitrophenol	ND	1650		ug/Kg
83-32-9	Acenaphthene	ND	330		ug/Kg
208-96-8	Acenaphthylene	ND	330		ug/Kg
98-86-2	Acetophenone	ND	330		ug/Kg
120-12-7	Anthracene	ND	330		ug/Kg
1912-24-9	Atrazine (Aatrex)	ND	660		ug/Kg
100-52-7	Benzaldehyde	ND	660		ug/Kg
56-55-3	Benzo(a)anthracene	ND	330		ug/Kg
50-32-8	Benzo(a)pyrene	ND	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	ND	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	ND	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	ND	330		ug/Kg
92-52-4	Biphenyl	ND	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	ND	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	ND	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	ND	330		ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	330		ug/Kg
85-68-7	Butyl benzyl phthalate	ND	330		ug/Kg
105-60-2	Caprolactam	ND	330		ug/Kg
86-74-8	Carbazole	ND	330		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46410	Method Blank	Solid	06/21/2002 16:59

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:04	RLW	145931

218-01-9	Chrysene	ND	330	ug/Kg
84-74-2	Di-n-butyl phthalate	ND	330	ug/Kg
117-84-0	Di-n-octyl phthalate	ND	330	ug/Kg
53-70-3	Dibenz(a,h)anthracene	ND	330	ug/Kg
132-64-9	Dibenzofuran	ND	330	ug/Kg
84-66-2	Diethyl phthalate	ND	330	ug/Kg
131-11-3	Dimethyl phthalate	ND	330	ug/Kg
206-44-0	Fluoranthene	ND	330	ug/Kg
86-73-7	Fluorene	ND	330	ug/Kg
118-74-1	Hexachlorobenzene	ND	330	ug/Kg
87-68-3	Hexachlorobutadiene	ND	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	ND	330	ug/Kg
67-72-1	Hexachloroethane	ND	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg
78-59-1	Isophorone	ND	330	ug/Kg
91-20-3	Naphthalene	ND	330	ug/Kg
98-95-3	Nitrobenzene	ND	330	ug/Kg
87-86-5	Pentachlorophenol	ND	1650	ug/Kg
85-01-8	Phenanthrene	ND	330	ug/Kg
108-95-2	Phenol	ND	330	ug/Kg
129-00-0	Pyrene	ND	330	ug/Kg
1319-77-3	m,p-Cresol	ND	330	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	ND	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	ND	330	ug/Kg
95-48-7	o-Cresol	ND	330	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	1670	1350 ug/Kg	81	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1240 ug/Kg	74	39 - 116
1718-51-0	Terphenyl-d14	1670	1400 ug/Kg	84	24 - 137
4165-62-2	Phenol-d5	3330	2770 ug/Kg	83	34 - 113
367-12-4	2-Fluorophenol	3330	2470 ug/Kg	74	44 - 106

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1424.d
Lab Smp Id: 46410 Client Smp ID: 46410
Inj Date : 20-JUN-2002 15:04
Operator : rlw Inst ID: MSSV3.i
Smp Info : 46410*BLK*@8270
Misc Info : 0620SBLK*MSSV~1414~*BLK*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:58 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	3.337	3.297	(0.761)	2198413	74.0065	2470
$ 4 Phenol-d5	99	4.095	4.096	(0.934)	2621183	83.1099	2770
* 10 1,4-Dichlorobenzene-d4	152	4.383	4.335	(1.000)	834510	40.0000	(H)
$ 19 Nitrobenzene-d5	82	4.902	4.910	(0.872)	864385	40.5727	1350
* 28 Naphthalene-d8	136	5.620	5.629	(1.000)	3080923	40.0000	
$ 37 2-Fluorobiphenyl	172	6.818	6.834	(0.897)	1802466	37.2596	1240
* 44 Acenaphthene-d10	164	7.601	7.609	(1.000)	1380298	40.0000	
$ 57 2,4,6-Tribromophenol	332	8.543	8.551	(1.124)	358093	71.7730	2390
* 61 Phenanthrene-d10	188	9.373	9.381	(1.000)	1833899	40.0000	
$ 70 Terphenyl-d14	244	11.321	11.330	(0.900)	1248186	42.1022	1400
* 74 Chrysene-d12	240	12.575	12.583	(1.000)	1157301	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	14.172	14.180	(1.000)	864034	40.0000	

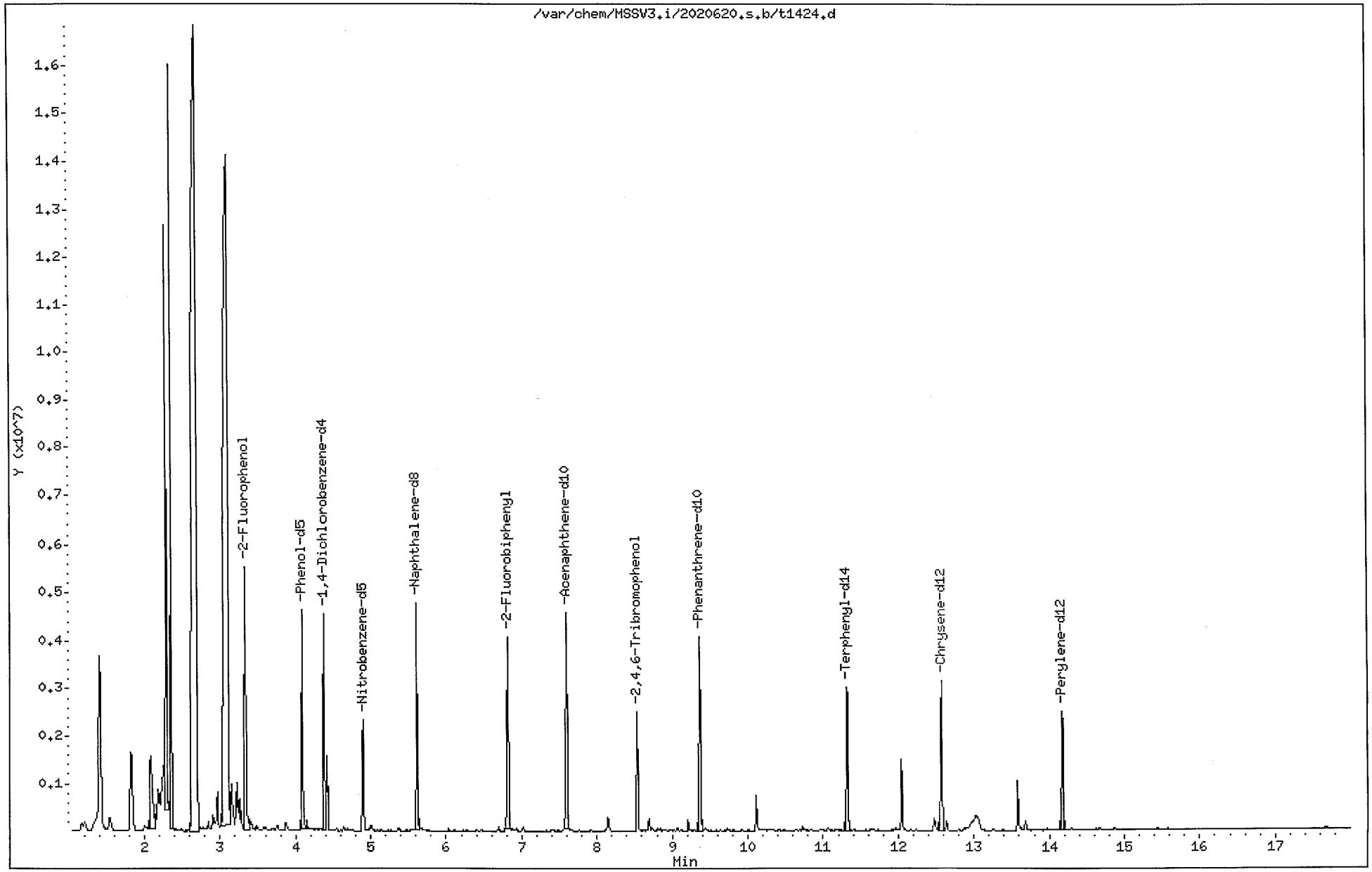
QC Flag Legend

H - Operator selected an alternate compound hit.

000267

Data File: /var/chem/MSSV3.i/2020620.s.b/t1424.d
Date : 20-JUN-2002 15:04
Client ID: 46410
Sample Info: 46410*BLK*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i
Operator: rlw
Column diameter: 0.25



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46411	Lab Control Sample	Solid	06/21/2002 16:59

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:30	RLW	145931

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
95-95-4	2,4,5-Trichlorophenol	2730	330		ug/Kg
88-06-2	2,4,6-Trichlorophenol	2690	330		ug/Kg
120-83-2	2,4-Dichlorophenol	2630	330		ug/Kg
105-67-9	2,4-Dimethylphenol	2750	330		ug/Kg
51-28-5	2,4-Dinitrophenol	2590	1650		ug/Kg
121-14-2	2,4-Dinitrotoluene	2700	330		ug/Kg
606-20-2	2,6-Dinitrotoluene	2670	330		ug/Kg
91-58-7	2-Chloronaphthalene	2520	330		ug/Kg
95-57-8	2-Chlorophenol	2550	330		ug/Kg
91-57-6	2-Methylnaphthalene	2730	330		ug/Kg
88-74-4	2-Nitroaniline	2630	1650		ug/Kg
88-75-5	2-Nitrophenol	2720	330		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	1770	660		ug/Kg
99-09-2	3-Nitroaniline	1700	1650		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3170	1650		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	2630	330		ug/Kg
59-50-7	4-Chloro-3-methylphenol	2740	330		ug/Kg
106-47-8	4-Chloroaniline	1370	330		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	2780	330		ug/Kg
100-01-6	4-Nitroaniline	2450	1650		ug/Kg
100-02-7	4-Nitrophenol	2890	1650		ug/Kg
83-32-9	Acenaphthene	2700	330		ug/Kg
208-96-8	Acenaphthylene	2660	330		ug/Kg
98-86-2	Acetophenone	3060	330		ug/Kg
120-12-7	Anthracene	2620	330		ug/Kg
1912-24-9	Atrazine (Aatrex)	3610	660		ug/Kg
100-52-7	Benzaldehyde	1330	660		ug/Kg
56-55-3	Benzo(a)anthracene	2590	330		ug/Kg
50-32-8	Benzo(a)pyrene	2670	330		ug/Kg
205-99-2	Benzo(b)fluoranthene	2710	330		ug/Kg
191-24-2	Benzo(g,h,i)perylene	2520	330		ug/Kg
207-08-9	Benzo(k)fluoranthene	2650	330		ug/Kg
92-52-4	Biphenyl	2720	330		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	2800	330		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	2600	330		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	2830	330		ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	3220	330		ug/Kg
85-68-7	Butyl benzyl phthalate	3100	330		ug/Kg
105-60-2	Caprolactam	2830	330		ug/Kg
86-74-8	Carbazole	2900	330		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46411	Lab Control Sample	Solid	06/21/2002 16:59

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 15:30	RLW	145931

218-01-9	Chrysene	2760	330	ug/Kg
84-74-2	Di-n-butyl phthalate	2780	330	ug/Kg
117-84-0	Di-n-octyl phthalate	2900	330	ug/Kg
53-70-3	Dibenz(a,h)anthracene	2510	330	ug/Kg
132-64-9	Dibenzofuran	2750	330	ug/Kg
84-66-2	Diethyl phthalate	2640	330	ug/Kg
131-11-3	Dimethyl phthalate	2550	330	ug/Kg
206-44-0	Fluoranthene	2740	330	ug/Kg
86-73-7	Fluorene	2790	330	ug/Kg
118-74-1	Hexachlorobenzene	2480	330	ug/Kg
87-68-3	Hexachlorobutadiene	2610	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2740	330	ug/Kg
67-72-1	Hexachloroethane	2620	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2580	330	ug/Kg
78-59-1	Isophorone	2890	330	ug/Kg
91-20-3	Naphthalene	2750	330	ug/Kg
98-95-3	Nitrobenzene	2960	330	ug/Kg
87-86-5	Pentachlorophenol	2730	1650	ug/Kg
85-01-8	Phenanthrene	2690	330	ug/Kg
108-95-2	Phenol	2510	330	ug/Kg
129-00-0	Pyrene	2930	330	ug/Kg
1319-77-3	m,p-Cresol	2750	330	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	2830	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2730	330	ug/Kg
95-48-7	o-Cresol	2510	330	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	1670	1440 ug/Kg	86	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1380 ug/Kg	83	39 - 116
1718-51-0	Terphenyl-d14	1670	1500 ug/Kg	90	24 - 137
4165-62-2	Phenol-d5	3330	2580 ug/Kg	77	34 - 113
367-12-4	2-Fluorophenol	3330	2540 ug/Kg	76	44 - 106

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1425.d
Lab Smp Id: 46411 Client Smp ID: 46411
Inj Date : 20-JUN-2002 15:30
Operator : rlw Inst ID: MSSV3.i
Smp Info : 46411*LCS*@8270
Misc Info : 0620LCS*MSSV~1414~*LCS*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:51 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	1 n-Nitrosodimethylamine	42	2.006	1.876	(0.457)	786661	79.4504	2650(R)
	2 Pyridine	79	1.998	1.908	(0.456)	1439959	52.2247	1740
$	3 2-Fluorophenol	112	3.331	3.297	(0.760)	2079177	76.2937	2540
$	4 Phenol-d5	99	4.098	4.096	(0.934)	2236412	77.2936	2580
	5 Aniline	93	4.106	4.104	(0.936)	1734144	62.2569	2080
	6 Phenol +	94	4.114	4.104	(0.938)	2375246	75.2603	2510
	7 bis(-2-Chloroethyl)Ether	63	4.170	4.167	(0.951)	1510278	77.8694	2600(H)
	8 2-Chlorophenol	128	4.210	4.207	(0.960)	2292613	76.5102	2550
	9 1,3-Dichlorobenzene	146	4.401	4.335	(1.004)	2264835	72.2439	2410
*	10 1,4-Dichlorobenzene-d4	152	4.385	4.335	(1.000)	765588	40.0000	
	11 1,4-Dichlorobenzene +	146	4.401	4.335	(1.004)	2264835	75.0320	2500

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	4.537	4.527	(1.035)	1257660	79.1227	2640
	13 1,2-Dichlorobenzene	146	4.529	4.535	(1.033)	2069499	74.9722	2500
	14 Bis(2-chloroisopropyl)ether	45	4.633	4.639	(1.056)	3869501	84.9189	2830
	15 2-Methylphenol	108	4.641	4.631	(1.058)	1701469	75.2871	2510
	16 N-Nitroso-di-n-propylamine++	70	4.777	4.774	(1.089)	1103383	84.8767	2830
	17 3- & 4-Methylphenol	108	4.785	4.774	(1.091)	1674277	82.4667	2750(R)
	18 Hexachloroethane	117	4.840	4.846	(1.104)	746069	78.6302	2620
$	19 Nitrobenzene-d5	82	4.904	4.910	(0.872)	817882	43.1392	1440
	20 Nitrobenzene	77	4.928	4.934	(0.876)	1592076	88.7460	2960
	21 Isophorone	82	5.176	5.173	(0.920)	3583919	86.5621	2890
	22 2-Nitrophenol +	139	5.240	5.237	(0.932)	1314041	81.6498	2720
	23 2,4-Dimethyphenol	107	5.296	5.293	(0.942)	1711026	82.5895	2750
	24 bis(-2-Chloroethoxy)methane	93	5.383	5.389	(0.957)	2292918	83.9053	2800
	25 Benzoic Acid	122	5.487	5.445	(1.251)	987335	124.099	4140(R)
	26 2,4-Dichlorophenol +	162	5.495	5.493	(0.977)	1544183	78.8591	2630
	27 1,2,4-Trichlorobenzene	180	5.567	5.573	(0.990)	1561932	80.4552	2680
*	28 Naphthalene-d8	136	5.623	5.629	(1.000)	2741742	40.0000	
	29 Naphthalene	128	5.647	5.653	(1.004)	5876737	82.3654	2750
	30 4-Chloroaniline	127	5.711	5.716	(1.016)	1087710	41.0576	1370
	31 Hexachlorobutadiene +	225	5.767	5.772	(1.026)	723903	78.2505	2610
	32 4-Chloro-3-Methylphenol +	107	6.286	6.275	(1.118)	1410050	82.1083	2740
	33 2-Methylnaphthalene	142	6.405	6.403	(1.139)	3692506	81.8184	2730
	34 Hexachlorocyclopentadiene ++	237	6.573	6.579	(0.865)	775127	82.0690	2740
	35 2,4,6-Trichlorophenol +	196	6.741	6.738	(0.887)	873278	80.7310	2690
	36 2,4,5-Trichlorphenol	196	6.797	6.794	(0.894)	922116	81.9291	2730
$	37 2-Fluorobiphenyl	172	6.829	6.834	(0.898)	1704272	41.3238	1380
	38 2-Chloronaphthalene	162	6.964	6.962	(0.916)	2992366	75.7194	2520
	39 2-Nitroaniline	138	7.100	7.098	(0.934)	1341534	78.8245	2630
	40 Dimethylphthalate	163	7.324	7.321	(0.963)	3427339	76.6245	2550
	41 2,6-Dinitrotoluene	165	7.404	7.393	(0.974)	917909	80.2246	2670
	42 Acenaphthylene	152	7.435	7.441	(0.978)	5158176	79.8013	2660
	43 3-Nitroaniline	138	7.587	7.593	(0.998)	628870	51.0580	1700
*	44 Acenaphthene-d10	164	7.603	7.609	(1.000)	1176745	40.0000	
	45 Acenaphthene +	153	7.643	7.649	(1.005)	3212618	80.8708	2700
	46 2,4-Dinitrophenol ++	184	7.723	7.721	(1.016)	385980	77.5532	2590
	47 Dibenzofuran	168	7.851	7.856	(1.033)	4017347	82.4000	2750
	48 2,4-Dinitrotoluene	165	7.875	7.872	(1.036)	1119936	81.1374	2700
	49 4-Nitrophenol ++	109	7.835	7.832	(1.030)	212812	86.8258	2890
	50 Diethylphthalate	149	8.170	8.168	(1.075)	3317337	79.0871	2640
	51 Fluorene	166	8.258	8.264	(1.086)	3006609	83.6281	2790
	52 4-Chlorophenyl-phenylether	204	8.274	8.271	(1.088)	1156341	83.4592	2780
	53 4-Nitroaniline	138	8.338	8.327	(1.097)	872801	73.3880	2450
	54 4,6-Dinitro-o-cresol	198	8.370	8.359	(0.893)	585628	95.2217	3170
	55 N-nitrosodiphenylamine (1)+	169	8.426	8.423	(0.899)	2198498	81.7603	2730
	56 Azobenzene	77	8.465	8.463	(1.930)	2849791	89.6410	2990
$	57 2,4,6-Tribromophenol	332	8.553	8.551	(1.125)	340181	79.9772	2670
	58 4-Bromophenyl-phenylether	248	8.857	8.854	(0.945)	617524	78.7730	2630

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	59 Hexachlorobenzene	284	8.913	8.918	(0.951)	747080	74.2756	2480
	60 Pentachlorophenol +	266	9.168	9.166	(0.978)	469882	82.0315	2730
*	61 Phenanthrene-d10	188	9.376	9.381	(1.000)	1508011	40.0000	
	62 Phenanthrene	178	9.408	9.413	(1.003)	3824755	80.8247	2690
	63 Anthracene	178	9.472	9.477	(1.010)	3820198	78.6262	2620
	64 Carbazole	167	9.687	9.685	(1.033)	3735166	86.8741	2900
	65 Di-n-butylphthalate	149	10.134	10.140	(1.081)	5251514	83.5137	2780
M	66 Total Methylphenol	108				3375746	78.6846	2620
	67 Fluoranthene +	202	10.845	10.851	(1.157)	3187542	82.2043	2740
	68 Benzidine	184	11.036	11.034	(0.877)	30921	10.6755	356
	69 Pyrene	202	11.116	11.114	(0.883)	3240789	87.8069	2930
$	70 Terphenyl-d14	244	11.324	11.330	(0.900)	1113158	45.1330	1500
	71 Butylbenzylphthalate	149	11.947	11.944	(0.949)	2115071	92.8673	3100
	72 Benzo(a)anthracene	228	12.570	12.575	(0.999)	2696299	77.7181	2590
	73 3,3'-Dichlorobenzidine	252	12.562	12.559	(0.998)	530459	53.0482	1770
*	74 Chrysene-d12	240	12.585	12.583	(1.000)	962796	40.0000	
	75 Chrysene	228	12.617	12.623	(1.003)	2583979	82.7470	2760
	76 bis(2-Ethylhexyl)phthalate	149	12.649	12.655	(1.005)	2845149	96.4852	3220
	77 Di-n-octylphthalate +	149	13.400	13.398	(1.065)	4712539	86.9385	2900
	78 Benzo(b)fluoranthene	252	13.791	13.789	(0.972)	3112533	81.3648	2710
	79 Benzo(k)fluoranthene	252	13.823	13.821	(0.975)	2591183	79.6152	2650
	80 Benzo(a)pyrene +	252	14.127	14.132	(0.996)	2521929	80.2153	2670
*	81 Perylene-d12	264	14.182	14.180	(1.000)	824427	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.292	15.290	(1.078)	3205953	77.3095	2580
	83 Dibenzo(a,h)anthracene	278	15.316	15.306	(1.080)	2546937	75.3357	2510
	84 Benzo(g,h,i)perylene-	276	15.604	15.593	(1.100)	2776402	75.6426	2520
	91 Acetophenone	105	4.769	4.766	(1.087)	2367509	91.6700	3060(H)
	156 Benzaldehyde	77	4.010	4.008	(0.914)	349999	39.8633	1330(H)
	157 Caprolactam	113	6.190	6.164	(1.101)	559857	85.0221	2830(H)
	158 Biphenyl	154	6.940	6.946	(1.583)	3877279	81.5082	2720(H)
	145 1-Methylnaphthalene	142	6.405	6.403	(1.139)	3692506	81.8184	2730(H)
	159 Atrazine	200	9.104	9.094	(0.971)	620318	108.195	3610(M)

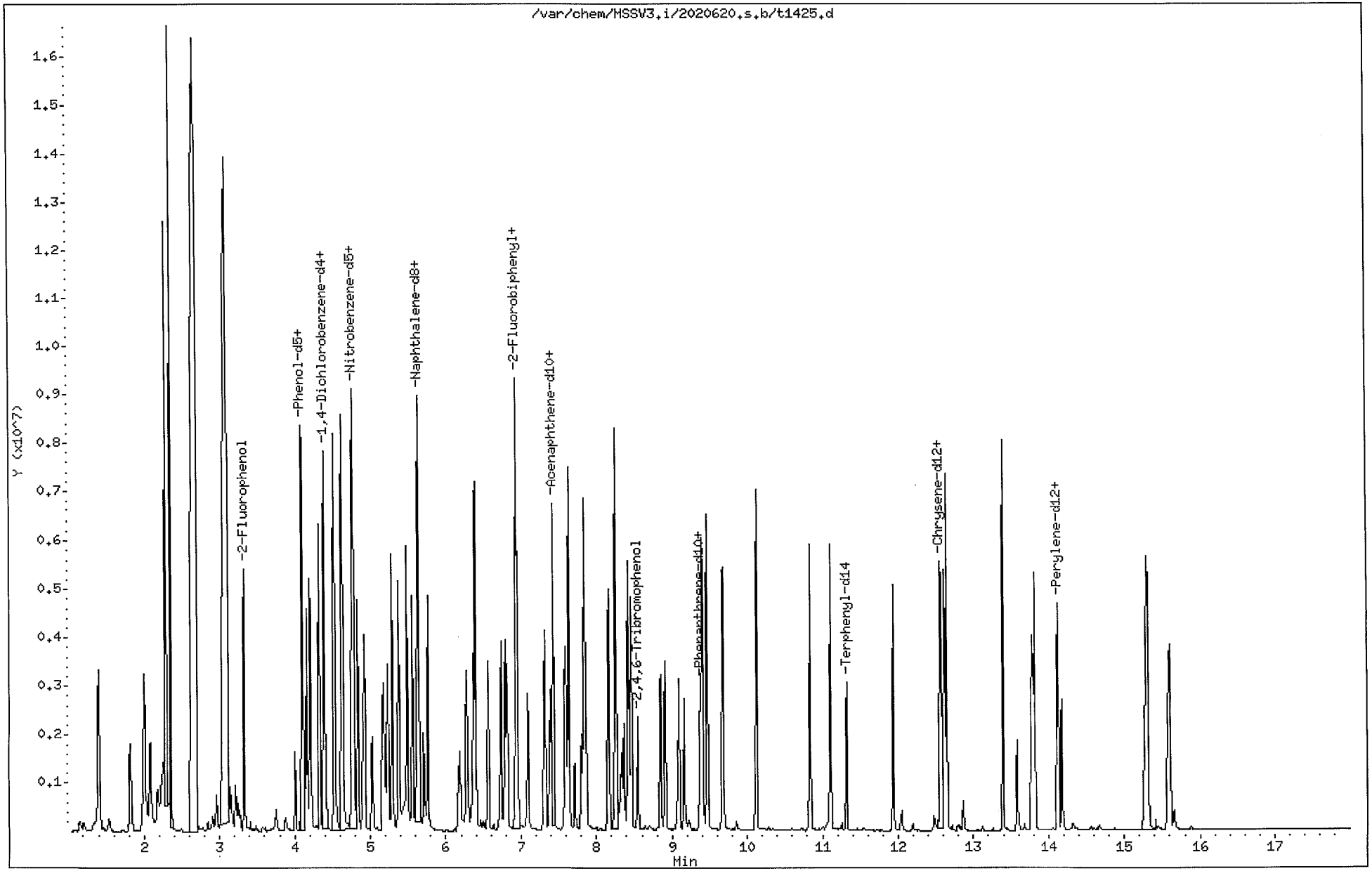
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000273

Data File: /var/chem/MSSV3.i/2020620.s.b/t1425.d
Date : 20-JUN-2002 15:30
Client ID: 46411
Sample Info: 46411*LCS*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i
Operator: rlw
Column diameter: 0.25



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46412	Matrix Spike	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 16:22	RLW	145931

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
95-95-4	2,4,5-Trichlorophenol	2800	383		ug/Kg
88-06-2	2,4,6-Trichlorophenol	2750	383		ug/Kg
120-83-2	2,4-Dichlorophenol	2740	383		ug/Kg
105-67-9	2,4-Dimethylphenol	2680	383		ug/Kg
51-28-5	2,4-Dinitrophenol	3730	1920		ug/Kg
121-14-2	2,4-Dinitrotoluene	2810	383		ug/Kg
606-20-2	2,6-Dinitrotoluene	2760	383		ug/Kg
91-58-7	2-Chloronaphthalene	2500	383		ug/Kg
95-57-8	2-Chlorophenol	2670	383		ug/Kg
91-57-6	2-Methylnaphthalene	2800	383		ug/Kg
88-74-4	2-Nitroaniline	2680	1920		ug/Kg
88-75-5	2-Nitrophenol	2720	383		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	1170	767		ug/Kg
99-09-2	3-Nitroaniline	1600J	1920		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3480	1920		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	2670	383		ug/Kg
59-50-7	4-Chloro-3-methylphenol	2940	383		ug/Kg
106-47-8	4-Chloroaniline	941	383		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	2850	383		ug/Kg
100-01-6	4-Nitroaniline	2110	1920		ug/Kg
100-02-7	4-Nitrophenol	2930	1920		ug/Kg
83-32-9	Acenaphthene	2710	383		ug/Kg
208-96-8	Acenaphthylene	2640	383		ug/Kg
98-86-2	Acetophenone	3300	383		ug/Kg
120-12-7	Anthracene	2590	383		ug/Kg
1912-24-9	Atrazine (Aatrex)	3460	767		ug/Kg
100-52-7	Benzaldehyde	4400	767		ug/Kg
56-55-3	Benzo(a)anthracene	2600	383		ug/Kg
50-32-8	Benzo(a)pyrene	2710	383		ug/Kg
205-99-2	Benzo(b)fluoranthene	2720	383		ug/Kg
191-24-2	Benzo(g,h,i)perylene	2660	383		ug/Kg
207-08-9	Benzo(k)fluoranthene	2850	383		ug/Kg
92-52-4	Biphenyl	3100	383		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	2830	383		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	2720	383		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	3020	383		ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	3470	383		ug/Kg
85-68-7	Butyl benzyl phthalate	3240	383		ug/Kg
105-60-2	Caprolactam	3050	383		ug/Kg
86-74-8	Carbazole	2760	383		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46412	Matrix Spike	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 16:22	RLW	145931

218-01-9	Chrysene	2800	383	ug/Kg
84-74-2	Di-n-butyl phthalate	2830	383	ug/Kg
117-84-0	Di-n-octyl phthalate	3000	383	ug/Kg
53-70-3	Dibenz(a,h)anthracene	2590	383	ug/Kg
132-64-9	Dibenzofuran	2780	383	ug/Kg
84-66-2	Diethyl phthalate	2760	383	ug/Kg
131-11-3	Dimethyl phthalate	2650	383	ug/Kg
206-44-0	Fluoranthene	2720	383	ug/Kg
86-73-7	Fluorene	2830	383	ug/Kg
118-74-1	Hexachlorobenzene	2490	383	ug/Kg
87-68-3	Hexachlorobutadiene	2520	383	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2640	383	ug/Kg
67-72-1	Hexachloroethane	2600	383	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2690	383	ug/Kg
78-59-1	Isophorone	2920	383	ug/Kg
91-20-3	Naphthalene	2720	383	ug/Kg
98-95-3	Nitrobenzene	2960	383	ug/Kg
87-86-5	Pentachlorophenol	3040	1920	ug/Kg
85-01-8	Phenanthrene	2640	383	ug/Kg
108-95-2	Phenol	2800	383	ug/Kg
129-00-0	Pyrene	3210	383	ug/Kg
1319-77-3	m,p-Cresol	2980	383	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	3120	383	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2710	383	ug/Kg
95-48-7	o-Cresol	2820	383	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	1670	1220 ug/Kg	73	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1130 ug/Kg	68	39 - 116
1718-51-0	Terphenyl-d14	1670	1410 ug/Kg	85	24 - 137
4165-62-2	Phenol-d5	3330	2500 ug/Kg	75	34 - 113
367-12-4	2-Fluorophenol	3330	2310 ug/Kg	69	44 - 106

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1427.d
Lab Smp Id: 46412 Client Smp ID: 46412
Inj Date : 20-JUN-2002 16:22
Operator : rlw Inst ID: MSSV3.i
Smp Info : 46412*CH2*@8270
Misc Info : 20206200201*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:51 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	1 n-Nitrosodimethylamine	42	1.995	1.876	(0.460)	707163	67.8162	2260
	2 Pyridine	79	2.114	1.908	(0.488)	41146	1.41696	47.2(R)
$	3 2-Fluorophenol	112	3.328	3.297	(0.768)	1985554	69.1806	2310
$	4 Phenol-d5	99	4.103	4.096	(0.947)	2287316	75.0625	2500
	5 Aniline	93	4.166	4.104	(0.961)	2143195	73.0583	2440(M)
	6 Phenol +	94	4.110	4.104	(0.948)	2405066	72.3586	2410
	7 bis(-2-Chloroethyl)Ether	63	4.166	4.167	(0.961)	1433132	70.1619	2340
	8 2-Chlorophenol	128	4.214	4.207	(0.972)	2179857	69.0752	2300
	9 1,3-Dichlorobenzene	146	4.326	4.335	(0.998)	2090046	63.3032	2110
*	10 1,4-Dichlorobenzene-d4	152	4.382	4.335	(1.000)	806287	40.0000	
	11 1,4-Dichlorobenzene +	146	4.326	4.335	(0.998)	2090046	65.7463	2190

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	4.542	4.527	(1.048)	1250442	74.6977	2490
	13 1,2-Dichlorobenzene	146	4.534	4.535	(1.046)	1937265	66.6391	2220
	14 Bis(2-chloroisopropyl)ether	45	4.629	4.639	(1.068)	3746722	78.0740	2600
	15 2-Methylphenol	108	4.637	4.631	(1.070)	1738254	73.0323	2430
	16 N-Nitroso-di-n-propylamine++	70	4.773	4.774	(1.101)	1105823	80.7706	2690
	17 3- & 4-Methylphenol	108	4.781	4.774	(1.103)	1647115	77.0337	2570
	18 Hexachloroethane	117	4.837	4.846	(1.116)	671093	67.1581	2240
$	19 Nitrobenzene-d5	82	4.909	4.910	(0.874)	790252	36.7491	1220
	20 Nitrobenzene	77	4.925	4.934	(0.876)	1554426	76.3933	2550
	21 Isophorone	82	5.180	5.173	(0.922)	3542782	75.4421	2510
	22 2-Nitrophenol +	139	5.236	5.237	(0.932)	1280944	70.1741	2340
	23 2,4-Dimethyphenol	107	5.292	5.293	(0.942)	1628723	69.3132	2310
	24 bis(-2-Chloroethoxy)methane	93	5.380	5.389	(0.957)	2270250	73.2444	2440
	25 Benzoic Acid	122	5.508	5.445	(1.271)	1188059	141.790	4730(R)
	26 2,4-Dichlorophenol +	162	5.492	5.493	(0.977)	1571430	70.7536	2360
	27 1,2,4-Trichlorobenzene	180	5.564	5.573	(0.990)	1502443	68.2323	2270
*	28 Naphthalene-d8	136	5.620	5.629	(1.000)	3109757	40.0000	
	29 Naphthalene	128	5.644	5.653	(1.004)	5676994	70.1499	2340
	30 4-Chloroaniline	127	5.644	5.716	(1.004)	730236	24.3021	810(H)
	31 Hexachlorobutadiene +	225	5.763	5.772	(1.026)	682217	65.0174	2170
	32 4-Chloro-3-Methylphenol +	107	6.282	6.275	(1.118)	1476267	75.7910	2530
	33 2-Methylnaphthalene	142	6.402	6.403	(1.139)	3699820	72.2787	2410
	34 Hexachlorocyclopentadiene ++	237	6.570	6.579	(0.864)	768398	68.0691	2270
	35 2,4,6-Trichlorophenol +	196	6.737	6.738	(0.887)	918049	71.0086	2370
	36 2,4,5-Trichlorphenol	196	6.793	6.794	(0.894)	972503	72.2938	2410
$	37 2-Fluorobiphenyl	172	6.825	6.834	(0.898)	1675302	33.9869	1130
	38 2-Chloronaphthalene	162	6.961	6.962	(0.916)	3044576	64.4580	2150
	39 2-Nitroaniline	138	7.105	7.098	(0.935)	1406821	69.1601	2310
	40 Dimethylphthalate	163	7.328	7.321	(0.964)	3656170	68.3903	2280
	41 2,6-Dinitrotoluene	165	7.400	7.393	(0.974)	975469	71.3311	2380
	42 Acenaphthylene	152	7.440	7.441	(0.979)	5252225	67.9852	2270
	43 3-Nitroaniline	138	7.584	7.593	(0.998)	608850	41.3591	1380
*	44 Acenaphthene-d10	164	7.600	7.609	(1.000)	1406452	40.0000	
	45 Acenaphthene +	153	7.648	7.649	(1.006)	3312229	69.7606	2330
	46 2,4-Dinitrophenol ++	184	7.720	7.721	(1.016)	573381	96.3909	3210
	47 Dibenzofuran	168	7.847	7.856	(1.033)	4178870	71.7140	2390
	48 2,4-Dinitrotoluene	165	7.871	7.872	(1.036)	1197847	72.6084	2420
	49 4-Nitrophenol ++	109	7.839	7.832	(1.032)	221606	75.6470	2520
	50 Diethylphthalate	149	8.167	8.168	(1.075)	3586324	71.5357	2380
	51 Fluorene	166	8.262	8.264	(1.087)	3150188	73.3110	2440
	52 4-Chlorophenyl-phenylether	204	8.270	8.271	(1.088)	1218036	73.5539	2450
	53 4-Nitroaniline	138	8.342	8.327	(1.098)	777911	54.7265	1820
	54 4,6-Dinitro-o-cresol	198	8.366	8.359	(0.892)	686043	89.9276	3000
	55 N-nitrosodiphenylamine (1)+	169	8.430	8.423	(0.899)	2335391	70.0171	2330
	56 Azobenzene	77	8.462	8.463	(1.952)	2827388	84.4470	2810
$	57 2,4,6-Tribromophenol	332	8.550	8.551	(1.125)	367697	72.3275	2410
	58 4-Bromophenyl-phenylether	248	8.853	8.854	(0.944)	670639	68.9669	2300

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	59 Hexachlorobenzene	284	8.917	8.918	(0.951)	802801	64.3450	2140
	60 Pentachlorophenol +	266	9.165	9.166	(0.977)	558713	78.6336	2620
*	61 Phenanthrene-d10	188	9.380	9.381	(1.000)	1870581	40.0000	
	62 Phenanthrene	178	9.412	9.413	(1.003)	3999762	68.1401	2270
	63 Anthracene	178	9.476	9.477	(1.010)	4038543	67.0091	2230
	64 Carbazole	167	9.684	9.685	(1.032)	3799983	71.2508	2380
	65 Di-n-butylphthalate	149	10.131	10.140	(1.080)	5719943	73.3319	2440
M	66 Total Methylphenol	108				3385369	74.9259	2500
	67 Fluoranthene +	202	10.849	10.851	(1.157)	3379674	70.2653	2340
	68 Benzidine	184	11.321	11.034	(0.900)	11046	3.47382	116
	69 Pyrene	202	11.113	11.114	(0.883)	3357299	82.8583	2760
$	70 Terphenyl-d14	244	11.321	11.330	(0.900)	1147817	42.3914	1410
	71 Butylbenzylphthalate	149	11.943	11.944	(0.949)	2094810	83.7820	2790
	72 Benzo(a)anthracene	228	12.566	12.575	(0.999)	2559801	67.2092	2240
	73 3,3'-Dichlorobenzidine	252	12.558	12.559	(0.998)	333754	30.4028	1010
*	74 Chrysene-d12	240	12.582	12.583	(1.000)	1056978	40.0000	
	75 Chrysene	228	12.614	12.623	(1.003)	2479499	72.3262	2410
	76 bis(2-Ethylhexyl)phthalate	149	12.646	12.655	(1.005)	2901749	89.6363	2990
	77 Di-n-octylphthalate +	149	13.397	13.398	(1.065)	4607071	77.4195	2580
	78 Benzo(b)fluoranthene	252	13.788	13.789	(0.972)	2720361	70.2462	2340
	79 Benzo(k)fluoranthene	252	13.820	13.821	(0.975)	2422700	73.5311	2450
	80 Benzo(a)pyrene +	252	14.131	14.132	(0.997)	2220652	69.7716	2330
*	81 Perylene-d12	264	14.179	14.180	(1.000)	834600	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.281	15.290	(1.078)	2926042	69.6996	2320
	83 Dibenzo(a,h)anthracene	278	15.313	15.306	(1.080)	2290250	66.9175	2230
	84 Benzo(g,h,i)perylene	276	15.600	15.593	(1.100)	2555434	68.7737	2290
	91 Acetophenone	105	4.765	4.766	(1.099)	2321317	85.3445	2840(H)
	156 Benzaldehyde	77	4.015	4.008	(0.926)	1052297	113.802	3790(H)
	157 Caprolactam	113	6.186	6.164	(1.101)	589287	78.9009	2630(H)
	158 Biphenyl	154	6.945	6.946	(1.602)	4008902	80.0212	2670(H)
	145 1-Methylnaphthalene	142	6.402	6.403	(1.139)	3699820	72.2787	2410(H)
	159 Atrazine	200	9.101	9.094	(0.970)	635377	89.3411	2980(M)

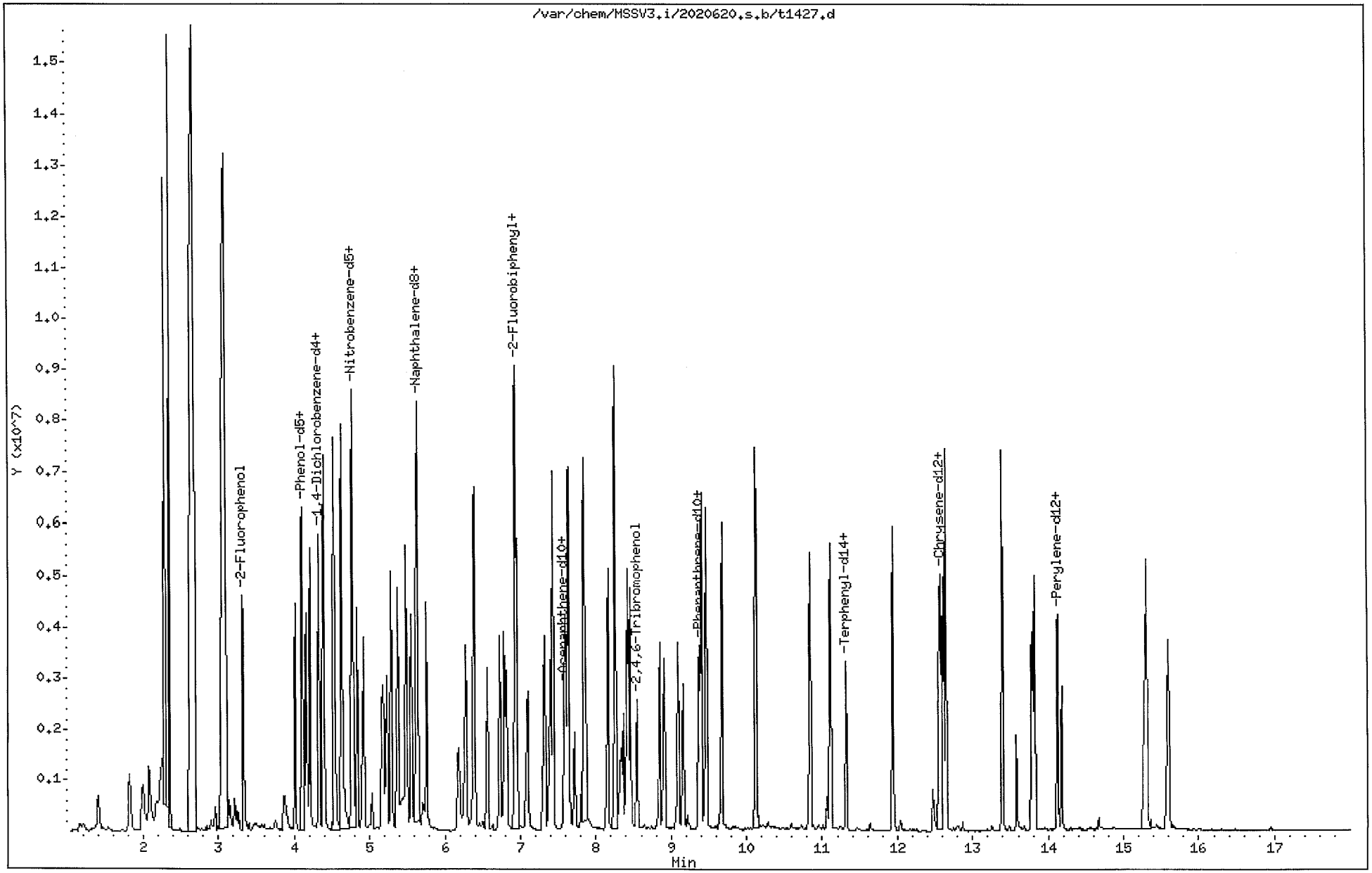
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000279

Data File: /var/chem/MSSV3.i/2020620.s.b/t1427.d
Date : 20-JUN-2002 16:22
Client ID: 46412
Sample Info: 46412*CH2*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i
Operator: rlw
Column diameter: 0.25



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46413	Matrix Spike Duplicate	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 16:48	RLW	145931

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
95-95-4	2,4,5-Trichlorophenol	2850	383		ug/Kg
88-06-2	2,4,6-Trichlorophenol	2810	383		ug/Kg
120-83-2	2,4-Dichlorophenol	2900	383		ug/Kg
105-67-9	2,4-Dimethylphenol	2280	383		ug/Kg
51-28-5	2,4-Dinitrophenol	3830	1920		ug/Kg
121-14-2	2,4-Dinitrotoluene	2920	383		ug/Kg
606-20-2	2,6-Dinitrotoluene	2860	383		ug/Kg
91-58-7	2-Chloronaphthalene	2560	383		ug/Kg
95-57-8	2-Chlorophenol	2670	383		ug/Kg
91-57-6	2-Methylnaphthalene	2960	383		ug/Kg
88-74-4	2-Nitroaniline	2800	1920		ug/Kg
88-75-5	2-Nitrophenol	2830	383		ug/Kg
91-94-1	3,3'-Dichlorobenzidine	1180	767		ug/Kg
99-09-2	3-Nitroaniline	1700J	1920		ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3650	1920		ug/Kg
101-55-3	4-Bromophenyl phenyl ether	2760	383		ug/Kg
59-50-7	4-Chloro-3-methylphenol	3090	383		ug/Kg
106-47-8	4-Chloroaniline	616	383		ug/Kg
7005-72-3	4-Chlorophenyl phenyl ether	2930	383		ug/Kg
100-01-6	4-Nitroaniline	2280	1920		ug/Kg
100-02-7	4-Nitrophenol	3150	1920		ug/Kg
83-32-9	Acenaphthene	2790	383		ug/Kg
208-96-8	Acenaphthylene	2750	383		ug/Kg
98-86-2	Acetophenone	3330	383		ug/Kg
120-12-7	Anthracene	2730	383		ug/Kg
1912-24-9	Atrazine (Aatrex)	3650	767		ug/Kg
100-52-7	Benzaldehyde	4610	767		ug/Kg
56-55-3	Benzo(a)anthracene	2710	383		ug/Kg
50-32-8	Benzo(a)pyrene	2800	383		ug/Kg
205-99-2	Benzo(b)fluoranthene	2750	383		ug/Kg
191-24-2	Benzo(g,h,i)perylene	2830	383		ug/Kg
207-08-9	Benzo(k)fluoranthene	2950	383		ug/Kg
92-52-4	Biphenyl	3190	383		ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	2960	383		ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	2690	383		ug/Kg
108-60-1	Bis(2-Chloroisopropyl)ether	3030	383		ug/Kg
117-81-7	Bis(2-Ethylhexyl)phthalate	3650	383		ug/Kg
85-68-7	Butyl benzyl phthalate	3440	383		ug/Kg
105-60-2	Caprolactam	3280	383		ug/Kg
86-74-8	Carbazole	2890	383		ug/Kg

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46413	Matrix Spike Duplicate	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8270C

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145849	3540C	1	06/20/2002 16:48	RLW	145931

218-01-9	Chrysene	2900	383	ug/Kg
84-74-2	Di-n-butyl phthalate	3030	383	ug/Kg
117-84-0	Di-n-octyl phthalate	3120	383	ug/Kg
53-70-3	Dibenz(a,h)anthracene	2690	383	ug/Kg
132-64-9	Dibenzofuran	2860	383	ug/Kg
84-66-2	Diethyl phthalate	2890	383	ug/Kg
131-11-3	Dimethyl phthalate	2730	383	ug/Kg
206-44-0	Fluoranthene	2850	383	ug/Kg
86-73-7	Fluorene	2940	383	ug/Kg
118-74-1	Hexachlorobenzene	2570	383	ug/Kg
87-68-3	Hexachlorobutadiene	2580	383	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2540	383	ug/Kg
67-72-1	Hexachloroethane	2600	383	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2860	383	ug/Kg
78-59-1	Isophorone	3050	383	ug/Kg
91-20-3	Naphthalene	2810	383	ug/Kg
98-95-3	Nitrobenzene	3090	383	ug/Kg
87-86-5	Pentachlorophenol	3110	1920	ug/Kg
85-01-8	Phenanthrene	2780	383	ug/Kg
108-95-2	Phenol	2800	383	ug/Kg
129-00-0	Pyrene	3340	383	ug/Kg
1319-77-3	m,p-Cresol	2970	383	ug/Kg
621-64-7	n-Nitrosodi-n-propylamine	3170	383	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2800	383	ug/Kg
95-48-7	o-Cresol	2740	383	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
4165-60-0	Nitrobenzene-d5	1670	1270 ug/Kg	76	46 - 116
321-60-8	2-Fluorobiphenyl	1670	1170 ug/Kg	70	39 - 116
1718-51-0	Terphenyl-d14	1670	1480 ug/Kg	89	24 - 137
4165-62-2	Phenol-d5	3330	2530 ug/Kg	76	34 - 113
367-12-4	2-Fluorophenol	3330	2300 ug/Kg	69	44 - 106

Gulf Coast Analytical Laboratories, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV3.i/2020620.s.b/t1428.d
Lab Smp Id: 46413 Client Smp ID: 46413
Inj Date : 20-JUN-2002 16:48
Operator : rlw Inst ID: MSSV3.i
Smp Info : 46413*CH2*@8270
Misc Info : 20206200201*MSSV~1414~*062002*30-1.0
Comment :
Method : /var/chem/MSSV3.i/2020620.s.b/8270C_03.m
Meth Date : 26-Jun-2002 18:51 rlw Quant Type: ISTD
Cal Date : 03-JUN-2002 14:44 Cal File: t1206.d
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: hpcs2

Concentration Formula:
Amt * DF * (Uf * Vt/(Vi * Ws * (100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	1 n-Nitrosodimethylamine	42	1.979	1.876	(0.452)	659712	65.4192	2180
	2 Pyridine	79	2.090	1.908	(0.477)	119823	4.26686	142(R)
$	3 2-Fluorophenol	112	3.328	3.297	(0.759)	1913155	68.9270	2300
$	4 Phenol-d5	99	4.103	4.096	(0.936)	2240446	76.0270	2530
	5 Aniline	93	4.166	4.104	(0.951)	1949239	68.7084	2290
	6 Phenol +	94	4.110	4.104	(0.938)	2321473	72.2209	2410
	7 bis(-2-Chloroethyl)Ether	63	4.166	4.167	(0.951)	1372101	69.4605	2320(H)
	8 2-Chlorophenol	128	4.214	4.207	(0.962)	2103146	68.9128	2300
	9 1,3-Dichlorobenzene	146	4.398	4.335	(1.004)	1976287	61.8951	2060
*	10 1,4-Dichlorobenzene-d4	152	4.382	4.335	(1.000)	779746	40.0000	
	11 1,4-Dichlorobenzene +	146	4.398	4.335	(1.004)	1976287	64.2839	2140

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	4.534	4.527	(1.035)	1234198	76.2368	2540
	13 1,2-Dichlorobenzene	146	4.534	4.535	(1.035)	1850445	65.8193	2190
	14 Bis(2-chloroisopropyl)ether	45	4.629	4.639	(1.056)	3634599	78.3155	2610
	15 2-Methylphenol	108	4.637	4.631	(1.058)	1629169	70.7790	2360
	16 N-Nitroso-di-n-propylamine++	70	4.773	4.774	(1.089)	1082916	81.7897	2730
	17 3- & 4-Methylphenol	108	4.781	4.774	(1.091)	1586100	76.7050	2560
	18 Hexachloroethane	117	4.837	4.846	(1.104)	648873	67.1448	2240
$	19 Nitrobenzene-d5	82	4.909	4.910	(0.874)	779465	38.1883	1270
	20 Nitrobenzene	77	4.925	4.934	(0.876)	1543341	79.9096	2660
	21 Isophorone	82	5.180	5.173	(0.922)	3510255	78.7518	2630
	22 2-Nitrophenol +	139	5.236	5.237	(0.932)	1270688	73.3394	2440
	23 2,4-Dimethyphenol	107	5.292	5.293	(0.942)	1311252	58.7904	1960
	24 bis(-2-Chloroethoxy)methane	93	5.380	5.389	(0.957)	2254455	76.6292	2550
	25 Benzoic Acid	122	5.508	5.445	(1.257)	1177713	145.340	4840(R)
	26 2,4-Dichlorophenol +	162	5.492	5.493	(0.977)	1578195	74.8628	2500
	27 1,2,4-Trichlorobenzene	180	5.564	5.573	(0.990)	1467935	70.2345	2340
*	28 Naphthalene-d8	136	5.620	5.629	(1.000)	2951715	40.0000	
	29 Naphthalene	128	5.644	5.653	(1.004)	5578763	72.6270	2420
	30 4-Chloroaniline	127	5.644	5.716	(1.004)	712804	24.9921	833(H)
	31 Hexachlorobutadiene +	225	5.763	5.772	(1.026)	664109	66.6804	2220
	32 4-Chloro-3-Methylphenol +	107	6.282	6.275	(1.118)	1477353	79.9078	2660
	33 2-Methylnaphthalene	142	6.402	6.403	(1.139)	3717724	76.5172	2550
	34 Hexachlorocyclopentadiene ++	237	6.570	6.579	(0.864)	723454	65.6604	2190
	35 2,4,6-Trichlorophenol +	196	6.737	6.738	(0.887)	914382	72.4605	2420
	36 2,4,5-Trichlorphenol	196	6.793	6.794	(0.894)	965718	73.5511	2450
$	37 2-Fluorobiphenyl	172	6.825	6.834	(0.898)	1690092	35.1283	1170
	38 2-Chloronaphthalene	162	6.961	6.962	(0.916)	3048850	66.1324	2200
	39 2-Nitroaniline	138	7.105	7.098	(0.935)	1432718	72.1616	2410
	40 Dimethylphthalate	163	7.328	7.321	(0.964)	3674785	70.4253	2350
	41 2,6-Dinitrotoluene	165	7.400	7.393	(0.974)	983352	73.6721	2460
	42 Acenaphthylene	152	7.440	7.441	(0.979)	5353197	70.9926	2370
	43 3-Nitroaniline	138	7.592	7.593	(0.999)	628181	43.7194	1460
*	44 Acenaphthene-d10	164	7.600	7.609	(1.000)	1372765	40.0000	
	45 Acenaphthene +	153	7.648	7.649	(1.006)	3334830	71.9602	2400
	46 2,4-Dinitrophenol ++	184	7.720	7.721	(1.016)	575475	99.1169	3300
	47 Dibenzofuran	168	7.847	7.856	(1.033)	4190305	73.6749	2460
	48 2,4-Dinitrotoluene	165	7.871	7.872	(1.036)	1214856	75.4465	2510
	49 4-Nitrophenol ++	109	7.839	7.832	(1.032)	232323	81.2514	2710
	50 Diethylphthalate	149	8.167	8.168	(1.075)	3656221	74.7196	2490
	51 Fluorene	166	8.262	8.264	(1.087)	3181602	75.8590	2530
	52 4-Chlorophenyl-phenylether	204	8.270	8.271	(1.088)	1222704	75.6477	2520
	53 4-Nitroaniline	138	8.334	8.327	(1.097)	817603	58.9303	1960
	54 4,6-Dinitro-o-cresol	198	8.366	8.359	(0.892)	700050	94.1662	3140
	55 N-nitrosodiphenylamine (1)+	169	8.430	8.423	(0.899)	2351625	72.3497	2410
	56 Azobenzene	77	8.462	8.463	(1.931)	2976792	91.9357	3060
$	57 2,4,6-Tribromophenol	332	8.550	8.551	(1.125)	365419	73.6433	2450
	58 4-Bromophenyl-phenylether	248	8.853	8.854	(0.944)	677190	71.4639	2380

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	59 Hexachlorobenzene	284	8.917	8.918	(0.951)	806475	66.3318	2210
	60 Pentachlorophenol +	266	9.165	9.166	(0.977)	556923	80.4339	2680
*	61 Phenanthrene-d10	188	9.380	9.381	(1.000)	1822856	40.0000	
	62 Phenanthrene	178	9.412	9.413	(1.003)	4102693	71.7235	2390
	63 Anthracene	178	9.476	9.477	(1.010)	4142899	70.5404	2350
	64 Carbazole	167	9.684	9.685	(1.032)	3884922	74.7506	2490
	65 Di-n-butylphthalate	149	10.139	10.140	(1.081)	5944452	78.2055	2610
M	66 Total Methylphenol	108				3215269	73.5833	2450
	67 Fluoranthene +	202	10.849	10.851	(1.157)	3439146	73.3738	2450
	68 Benzidine	184	11.321	11.034	(0.900)	11025	3.51627	117
	69 Pyrene	202	11.113	11.114	(0.883)	3448220	86.3064	2880
$	70 Terphenyl-d14	244	11.321	11.330	(0.900)	1181992	44.2713	1480
	71 Butylbenzylphthalate	149	11.943	11.944	(0.949)	2188027	88.7484	2960
	72 Benzo(a)anthracene	228	12.566	12.575	(0.999)	2627979	69.9756	2330
	73 3,3'-Dichlorobenzidine	252	12.558	12.559	(0.998)	331673	30.6408	1020
*	74 Chrysene-d12	240	12.582	12.583	(1.000)	1042231	40.0000	
	75 Chrysene	228	12.614	12.623	(1.003)	2540315	75.1486	2500
	76 bis(2-Ethylhexyl)phthalate	149	12.646	12.655	(1.005)	3010367	94.3074	3140
	77 Di-n-octylphthalate +	149	13.397	13.398	(1.065)	4734897	80.6934	2690
	78 Benzo(b)fluoranthene	252	13.788	13.789	(0.972)	2823619	71.1718	2370
	79 Benzo(k)fluoranthene	252	13.820	13.821	(0.975)	2572740	76.2207	2540
	80 Benzo(a)pyrene +	252	14.131	14.132	(0.997)	2359339	72.3592	2410
*	81 Perylene-d12	264	14.179	14.180	(1.000)	855014	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	15.289	15.290	(1.078)	3176434	73.8575	2460
	83 Dibenzo(a,h)anthracene	278	15.313	15.306	(1.080)	2443114	69.6796	2320
	84 Benzo(g,h,i)perylene	276	15.600	15.593	(1.100)	2785263	73.1694	2440
	91 Acetophenone	105	4.765	4.766	(1.087)	2262226	86.0030	2870(H)
	156 Benzaldehyde	77	4.015	4.008	(0.916)	1065221	119.121	3970(H)
	157 Caprolactam	113	6.194	6.164	(1.102)	599417	84.5544	2820(H)
	158 Biphenyl	154	6.945	6.946	(1.585)	3996980	82.4989	2750(H)
	145 1-Methylnaphthalene	142	6.402	6.403	(1.139)	3717724	76.5172	2550(H)
	159 Atrazine	200	9.101	9.094	(0.970)	652236	94.1128	3140(M)

QC Flag Legend

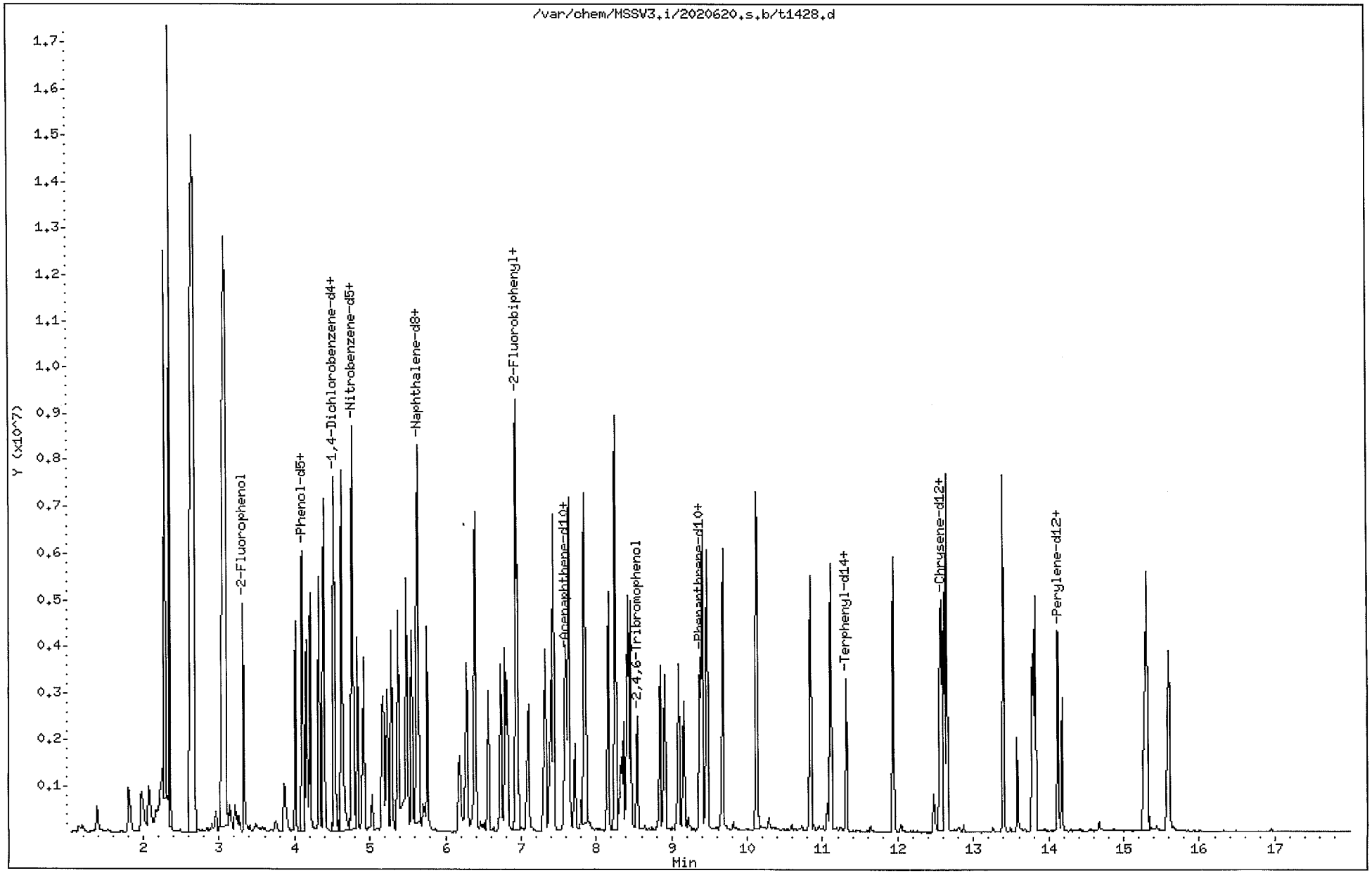
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000285

Data File: /var/chem/MSSV3.i/2020620.s.b/t1428.d
Date : 20-JUN-2002 16:48
Client ID: 46413
Sample Info: 46413*CH2*@8270
Volume Injected (uL): 1.0
Column phase: DB-5MS-30M

Instrument: MSSV3.i

Operator: rlw
Column diameter: 0.25



BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 06/20/02 10:30

MATRIX: _____ WATER ✓ SOIL _____ OTHER

LEVEL: ✓ LOW _____ MEDIUM

BATCH #: 145849

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH	ACID pH	COMMENTS
1	46410	0620SBLK	30.0	1.0			
2	46411	0620LCS	30.0	1.0			625
3	CH2M HILL	20206200201	30.0	1.0			
4	46412	20206200201MS	30.0	1.0			
5	46413	20206200201MSD	30.0	1.0			
6		20206200202	30.0	1.0			
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

METHOD

_____ LIQUID LIQUID/3520 EXTRACTION

_____ SEPARATIORY FUNNEL/3510 EXTRACTION

✓ SONICATOR/3550

_____ SOXHLET/3540

_____ GPC CLEANUP/3640

_____ WASTE DILUTION/3580

TCLP EXTRACTION FLUID #1

TCLP EXTRACTION FLUID #2

MECL2/Acetone No: 1-45-2

ACETONE LOT NO: 023046

MeCL2 Lot No: 013600

Sodium Sulfate Lot No: 020966

SKB 06/20/02

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID 8-133-1
VOLUME 0.5mL
CONCENTRATION 100/200 ug/ml
NaOH _____

8270 SPIKE ID _____
VOLUME _____
CONCENTRATION _____
ACID _____

625 SPIKE ID 8-131-1
VOLUME 1.0mL
ONCENTRATION 100 ug/ml

SPIKE WITNESS Wes

TECHNICIAN _____ DATE _____

SUPERVISOR John Bailey DATE 06/20/02

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
BNA 10	3-29-1	Q3392	NSI	030402-03/03-04-03	50ul	1.0ml	10ppm	DCM/013600	RCW	05-08-02	03-04-03
50	3-29-2				250ul		50ppm				
80	3-29-3				400ul		80ppm				
120	3-29-4				600ul		120ppm				
160	3-29-5				800ul		160ppm				
200	3-29-6				1000ul		200ppm				
RCW 05-08-02 ~~1.0~~ 5.0	3-29-7				25ul		5.0ppm				
1.0	3-29-8 RCW 05-08-02				5ul		1.0ppm				
0.4	3-29-9				2ul		0.4ppm				
0.2	3-29-10	Q3392	NSI	030402-03/03-04-03	1ul	1.0ml	0.2ppm	DCM/013600	RCW	05-08-02	03-04-03
8270 IS	3-29-11	US108N	Ultra	S-0694/08/04	1.0ml	1.0ml	4000	N/A	RCW	05-14-02	05-14-03
5/24/02 Dates		5/3/02 - 5/14/02		Reviewed By		QA/QC					
0.01037% H_3PO_4	3-29-12	Concentrated H_3PO_4	JT Baker	E11821 / NA	103ul	1000ml	0.01032	HPLC H_2O 011614	JDT	5/28/02	11/28/02
Acrylic Acid Spiking Soln.	3-29-13	Acrylic Acid 99%	Aldrich	05905mu / NA	0.500g	100ml	5000ppm	HPLC H_2O 011614	JDT	5/28/02	11/28/02
AA. 20mg/L	3-29-14	Acrylic Acid 99%	Aldrich	05905mu / NA	0.002g	100ml	20ppm				
A.A. 10mg/L	3-29-15	AA 20mg/L	In House	3-29-14 / 11/28/02	5ml	10ml	10ppm				
A.A. 5.0mg/L	3-29-16				2.5ml	10ml	5.0ppm				
A.A. 1.0mg/L	3-29-17				500ul	10ml	1.0ppm				
A.A. 0.5mg/L	3-29-18				250ul	10ml	0.5ppm				
A.A. 0.1 mg/L	3-29-19				100ul	10ml	0.1ppm				
AA ICV	3-29-20	AA Spiking Soln	In House	3-29-13 / 11/28/02	100ul	100ml	5.0ppm	HPLC H_2O 011614	JDT	5/28/02	11/28/02
				RCW 05-28-02							

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 03-JUN-2002
Instrument: MSSV3.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	WT VOL	Injection Time	DilFactor	ALS	Comments
DFTPP	3-18-4	t1200.d	0.00 ml	03-JUN-2002 11:47	1.000	1	
SSTD050	3-29-2	t1201.d	1000.00 ml	03-JUN-2002 12:31	1.000	2	
SSTD010	3-29-1	t1202.d	1000.00 ml	03-JUN-2002 12:59	1.000	3	
SSTD080	3-29-3	t1203.d	1000.00 ml	03-JUN-2002 13:25	1.000	4	
SSTD120	3-29-4	t1204.d	1000.00 ml	03-JUN-2002 13:51	1.000	5	
SSTD160	3-29-5	t1205.d	1000.00 ml	03-JUN-2002 14:18	1.000	6	
SSTD200	3-29-6	t1206.d	1000.00 ml	03-JUN-2002 14:44	1.000	7	
SSTD001	3-29-7	t1207.d	1000.00 ml	03-JUN-2002 15:10	1.000	8	
SSTD00.2	3-29-8	t1208.d	1000.00 ml	03-JUN-2002 15:36	1.000	9	
42216	BLK	t1210.d	1000.00 ml	03-JUN-2002 16:28	1.000	11	
42217	LCS	t1211.d	1000.00 ml	03-JUN-2002 16:54	1.000	12	
42218	LCSD	t1212.d	1000.00 ml	03-JUN-2002 17:20	1.000	13	
20205301101	BFI	t1213.d	1000.00 ml	03-JUN-2002 17:46	1.000	14	
20205301102	BFI	t1214.d	1000.00 ml	03-JUN-2002 18:12	1.000	15	
20205301103	BFI	t1215.d	1000.00 ml	03-JUN-2002 18:38	1.000	16	
20205301104	BFI	t1216.d	1000.00 ml	03-JUN-2002 19:04	1.000	17	
20205301105	BFI	t1217.d	1000.00 ml	03-JUN-2002 19:30	1.000	18	
20205301106	BFI	t1218.d	1000.00 ml	03-JUN-2002 19:56	1.000	19	
20205301107	BFI	t1219.d	1000.00 ml	03-JUN-2002 20:22	1.000	20	
20205301108	BFI	t1220.d	1000.00 ml	03-JUN-2002 20:49	1.000	21	
20205301109	BFI	t1221.d	1000.00 ml	03-JUN-2002 21:14	1.000	22	
20205301110	BFI	t1222.d	1000.00 ml	03-JUN-2002 21:40	1.000	23	
20205301111	BFI	t1223.d	1000.00 ml	03-JUN-2002 22:08	1.000	24	
20205301112	BFI	t1224.d	1000.00 ml	03-JUN-2002 22:35	1.000	25	
20205301114	BFI	t1225.d	1000.00 ml	03-JUN-2002 23:01	1.000	26	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 20-JUN-2002
Instrument: MSSV3.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	WT VOL	Injection Time	DilFactor	ALS	Comments
DFTPP	3-18-4	t1422.d	0.00 ml	20-JUN-2002 14:17	1.000	1	
DFTPP	3-18-4	t1422c.d	0.00 ml	20-JUN-2002 14:17	1.000	1	
SSTD050	3-29-2	t1423.d	1000.00 ml	20-JUN-2002 14:34	1.000	2	
46410	BLK	t1424.d	30.00 g	20-JUN-2002 15:04	1.000	3	
46411	LCS	t1425.d	30.00 g	20-JUN-2002 15:30	1.000	4	
20206200201	CH2	t1426.d	30.00 g	20-JUN-2002 15:56	1.000	5	
46412	CH2	t1427.d	30.00 g	20-JUN-2002 16:22	1.000	6	
46413	CH2	t1428.d	30.00 g	20-JUN-2002 16:48	1.000	7	
20206200202	CH2	t1429.d	30.00 g	20-JUN-2002 17:14	1.000	8	
45565	BLK	t1430.d	30.00 g	20-JUN-2002 17:40	1.000	9	
45566	LCS	t1431.d	30.00 g	20-JUN-2002 18:05	1.000	10	
45567	LCSD	t1432.d	30.00 g	20-JUN-2002 18:31	1.000	11	
20206132003	WASH	t1433.d	30.00 g	20-JUN-2002 18:57	1.000	12	
45568	WASH	t1434.d	30.00 g	20-JUN-2002 19:23	1.000	13	
45569	WASH	t1435.d	30.00 g	20-JUN-2002 19:49	1.000	14	
45928	BLK	t1436.d	1.00 g	20-JUN-2002 20:15	1.000	15	
45929	LCS	t1437.d	1.00 g	20-JUN-2002 20:41	1.000	16	
20206180701	RFW	t1438.d	1.00 g	20-JUN-2002 21:07	10.000	17	
20206180702	RFW	t1439.d	1.00 g	20-JUN-2002 21:32	10.000	18	
20206180703	RFW	t1440.d	1.00 g	20-JUN-2002 21:58	10.000	19	
20206180704	RFW	t1441.d	1.00 g	20-JUN-2002 22:24	10.000	20	
20206180705	RFW	t1442.d	1.00 g	20-JUN-2002 22:51	10.000	21	
20206180706	RFW	t1443.d	1.00 g	20-JUN-2002 23:17	10.000	22	
20206180707	RFW	t1444.d	1.00 g	20-JUN-2002 23:42	10.000	23	
20206180708	RFW	t1445.d	1.00 g	21-JUN-2002 00:09	10.000	24	
20206180709	RFW	t1446.d	1.00 g	21-JUN-2002 00:35	10.000	25	
45930	RFW	t1447.d	1.00 g	21-JUN-2002 01:01	10.000	26	
45931	RFW	t1448.d	1.00 g	21-JUN-2002 01:28	10.000	27	

REVISED 6-1-95 Supervisor Review: QA Review:

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	46425	86	37*							1
02	46426	94	44							0
03	BF-S-0619	65	56							0
04	RB-S-0619	55	49							0
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS
S1	= O-TERPHENYL	(50-150)
S2	= Nonatriacontane	(40-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 46426	ORIGINAL LAB ID:	PREP BATCH: 145852
	MATRIX Solid	ANALYTICAL BATCH: 146070

Florida PRO

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
FLPRO-01	Petroleum Hydrocarbons	68000 ug/Kg	65800	97	50 - 150

LCS ID: 46416	ORIGINAL LAB ID:	PREP BATCH: 145850
	MATRIX Solid	ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
319-84-6	alpha-BHC	16.7 ug/Kg	23.2	139 *	37 - 134
319-85-7	beta-BHC	16.7 ug/Kg	17.7	106	17 - 147
319-86-8	delta-BHC	16.7 ug/Kg	17.8	107	19 - 140
1024-57-3	Heptachlor epoxide	16.7 ug/Kg	18.6	112	37 - 142
959-98-8	Endosulfan I	16.7 ug/Kg	21.6	130	45 - 153
72-55-9	4,4'-DDE	16.7 ug/Kg	17	102	30 - 145
33213-65-9	Endosulfan II	16.7 ug/Kg	17.8	107	0 - 202
72-54-8	4,4'-DDD	16.7 ug/Kg	21.6	130	31 - 141
1031-07-8	Endosulfan sulfate	16.7 ug/Kg	21.3	128	26 - 144
72-43-5	Methoxychlor	16.7 ug/Kg	18.5	111	26 - 144
53494-70-5	Endrin ketone	16.7 ug/Kg	22.8	137	26 - 144
7421-93-4	Endrin aldehyde	16.7 ug/Kg	28.4	170	0 - 202
5103-71-9	alpha-Chlordane	16.7 ug/Kg	16.6	100	45 - 119
5103-74-2	gamma-Chlordane	16.7 ug/Kg	18.3	110	45 - 119
58-89-9	gamma-BHC (Lindane)	16.7 ug/Kg	20.1	121	46 - 127
76-44-8	Heptachlor	16.7 ug/Kg	21.3	128	35 - 130
309-00-2	Aldrin	16.7 ug/Kg	18	108	35 - 132
60-57-1	Dieldrin	16.7 ug/Kg	25.4	152 *	31 - 134
72-20-8	Endrin	16.7 ug/Kg	23.5	141 *	42 - 139
50-29-3	4,4'-DDT	16.7 ug/Kg	23	138 *	23 - 134

MS LAB ID: 46417	ORIGINAL LAB ID: 20206200201	PREP BATCH: 145850
	MATRIX Solid	ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
319-84-6	alpha-BHC	0	16.7 ug/Kg	19.9	119	37 - 134
319-85-7	beta-BHC	0	16.7 ug/Kg	15.9	95	17 - 147
319-86-8	delta-BHC	0	16.7 ug/Kg	15.1	91	19 - 140
1024-57-3	Heptachlor epoxide	0	16.7 ug/Kg	15.8	95	37 - 142
959-98-8	Endosulfan I	0	16.7 ug/Kg	16.7	100	45 - 153
72-55-9	4,4'-DDE	0	16.7 ug/Kg	15.5	93	30 - 145
33213-65-9	Endosulfan II	0	16.7 ug/Kg	15.3	92	0 - 202
72-54-8	4,4'-DDD	0	16.7 ug/Kg	18.6	112	31 - 141

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46425

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: SV2AD003 Lab Sample ID: 46425

Instrument ID: GCSV2AD Date Extracted:06/20/02

Matrix: (soil/water) SOIL Date Analyzed: 06/20/02

Level:(low/med) LOW Time Analyzed: 1900

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46426	46426	SV2AD004S	06/20/02
02	BF-S-0619	20206200201	SV2AD005S	06/20/02
03	RB-S-0619	20206200202	SV2AD006S	06/20/02
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

Florida PRO

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145852	Florida PRO	1	06/20/2002 20:49	TNT	146070

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
FLPRO-01	Petroleum Hydrocarbons	ND	9290	5810	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
84-15-1	o-Terphenyl	4000	2590 ug/Kg	65	50 - 150
7194-86-7	Nonatriacontane	24000	13600 ug/Kg	57	40 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad005.d
Lab Smp Id: 20206200201 Client Smp ID: 1.0
Inj Date : 20-JUN-2002 20:49
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 20206200201-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	17.503	6.790	10.713	34559769	114.276	9142.0786(M)

QC Flag Legend

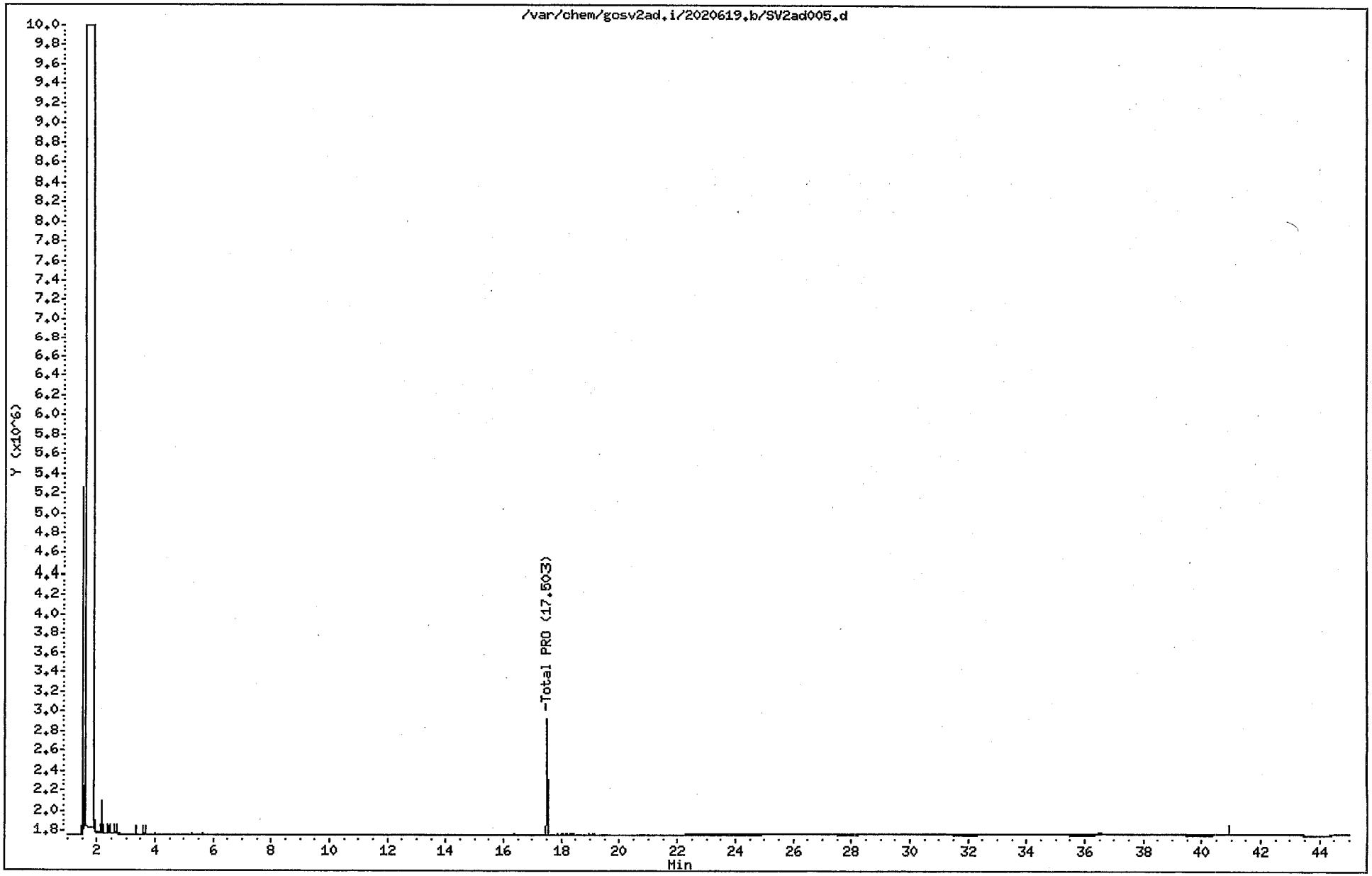
M - Compound response manually integrated.

$$\frac{34559769 - 24284500}{302424} \cdot \frac{2}{25} \cdot 1000 = 2720 \text{ ppb}$$

000295

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad005.d
Date : 20-JUN-2002 20:49
Client ID: 1.0
Sample Info: 20206200201-1.0-GCSV"17XX"-
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad005s.d
Lab Smp Id: 20206200201
Inj Date : 20-JUN-2002 20:49
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 20206200201-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
$ 7 O-TERPHENYL	17.502	17.535	-0.033	22624435	32.3202	2585.6176
$ 18 Nonatriacontane	36.503	36.568	-0.065	1660065	169.612	13568.9636

TNT 6/21/02 ~~240~~ 24284500

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad005s.d

Date: 20-JUN-2002 20:49

Client Id:

Sample Info: 20206200201-1.0-GCSV~17XX~-

Volume Injected (uL): 1

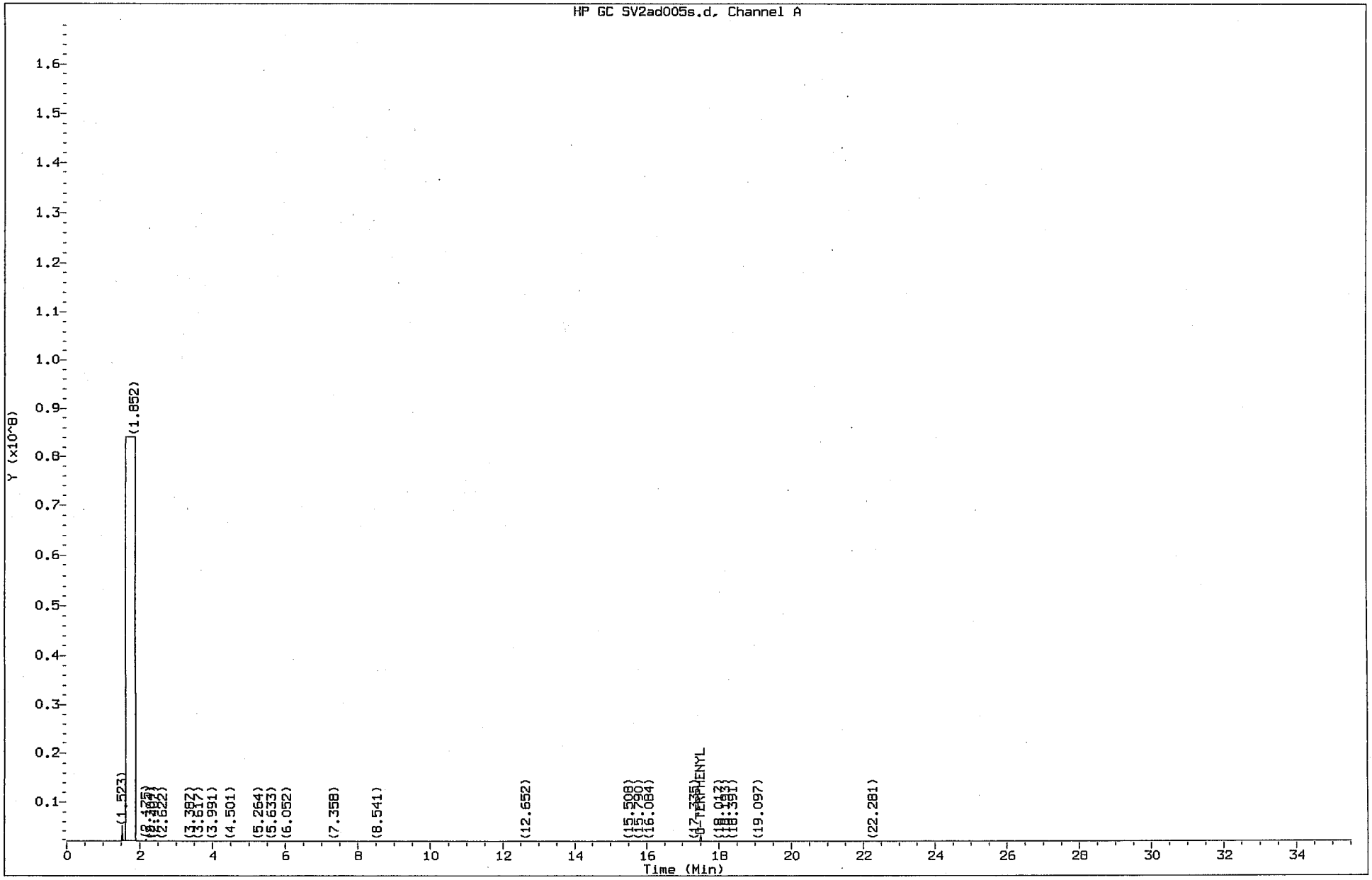
Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt

Column diameter: 0.53

0002097



GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/20/2002 09:05

Florida PRO

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145852	Florida PRO	1	06/20/2002 21:44	TNT	146070

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
FLPRO-01	Petroleum Hydrocarbons	ND	8770	5480	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
84-15-1	o-Terphenyl	4000	2210 ug/Kg	55	50 - 150
7194-86-7	Nonatriacontane	24000	11700 ug/Kg	49	40 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad006.d
Lab Smp Id: 20206200202 Client Smp ID: 1.0
Inj Date : 20-JUN-2002 21:44
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 20206200202-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	17.500	6.790	10.710	24138161	79.8157	6385.2558(M)

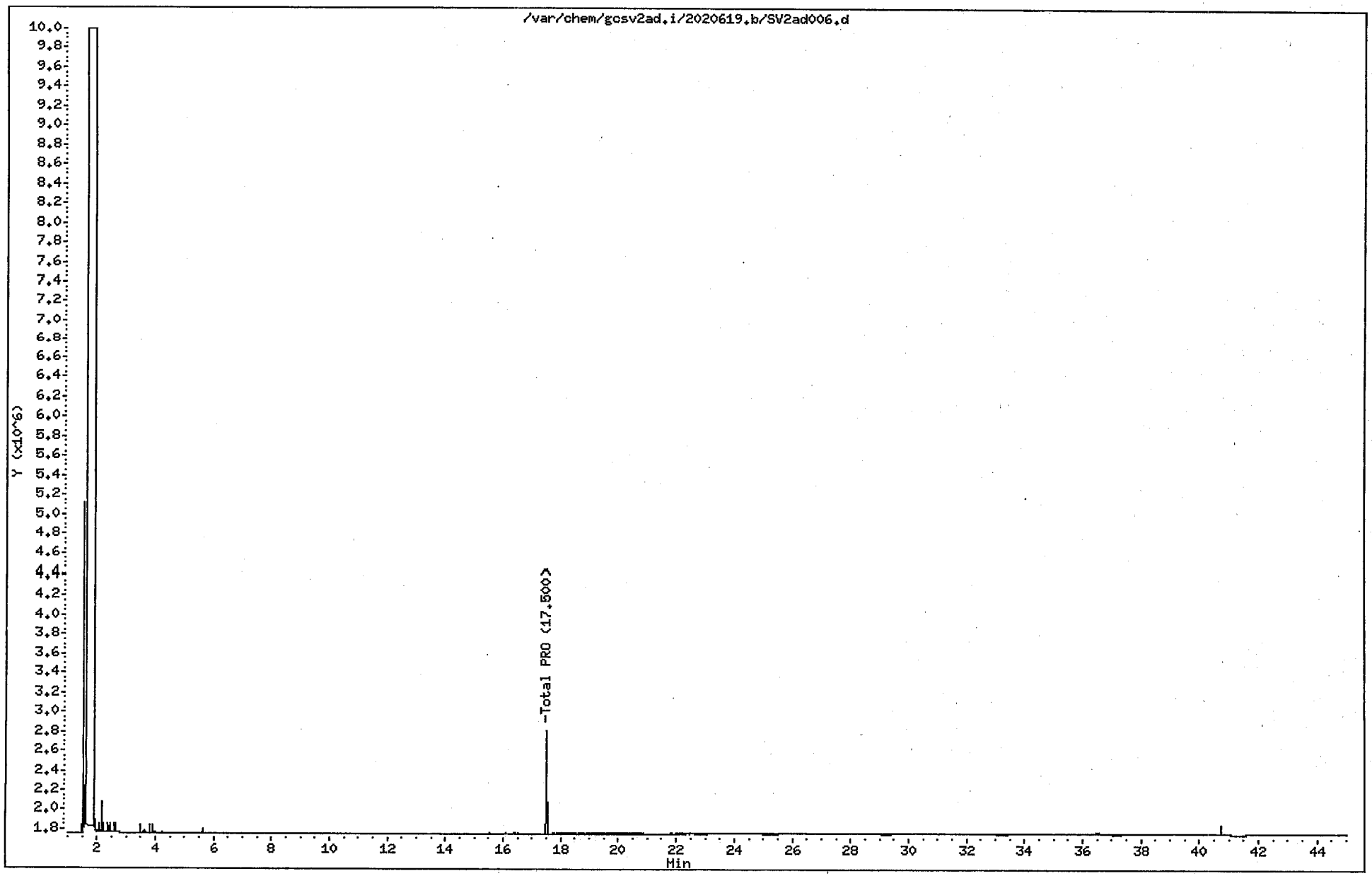
QC Flag Legend

M - Compound response manually integrated.

$$\frac{24138161 - 20804383}{302424} = ND$$

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad006.d
Date : 20-JUN-2002 21:44
Client ID: 1.0
Sample Info: 20206200202-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



000300

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad006s.d
Lab Smp Id: 20206200202
Inj Date : 20-JUN-2002 21:44
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 20206200202-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

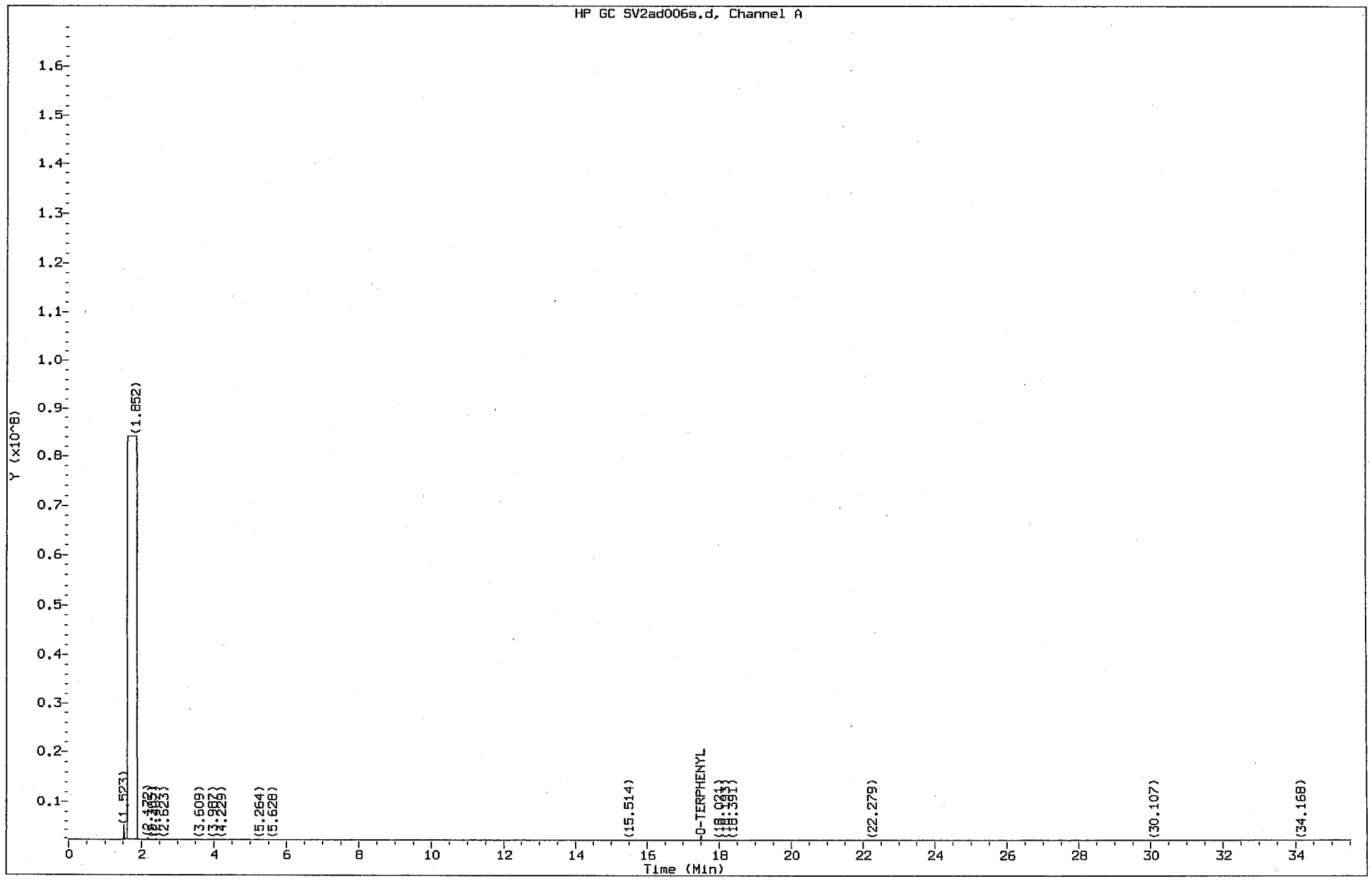
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
$ 7 O-TERPHENYL	17.500	17.535	-0.035	19372328	27.6744	2213.9528
$ 18 Nonatriacontane	36.499	36.568	-0.069	1432055	146.316	11705.2658

20804383

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad006s.d
Date: 20-JUN-2002 21:44
Client Id:
Sample Info: 20206200202-1.0-GCSV~17XX~-
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 25-APR-2002 09:17
End Cal Date : 25-APR-2002 13:07
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /var/chem/gcsv2ad.i/2020515.b/flprosur.m
Cal Date : 15-May-2002 10:05 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv2ad.i/2020425.b/SV2ad003s.d
Level 2: /var/chem/gcsv2ad.i/2020425.b/SV2ad002s.d
Level 3: /var/chem/gcsv2ad.i/2020425.b/SV2ad004s.d
Level 4: /var/chem/gcsv2ad.i/2020425.b/SV2ad005s.d
Level 6: /var/chem/gcsv2ad.i/2020425.b/SV2ad006s.d

Compound	5.000 Level 1	50.000 Level 2	150.000 Level 3	250.000 Level 4	500.000 Level 6	RRF	% RSD
1 C-8	++++++	++++++	++++++	++++++	++++++	++++++	++++++
2 C-10	++++++	++++++	++++++	++++++	++++++	++++++	++++++
3 C-12	++++++	++++++	++++++	++++++	++++++	++++++	++++++
4 C-14	++++++	++++++	++++++	++++++	++++++	++++++	++++++
5 C-16	++++++	++++++	++++++	++++++	++++++	++++++	++++++
6 C-18	++++++	++++++	++++++	++++++	++++++	++++++	++++++
8 C-20	++++++	++++++	++++++	++++++	++++++	++++++	++++++
9 C-22	++++++	++++++	++++++	++++++	++++++	++++++	++++++
10 C-24	++++++	++++++	++++++	++++++	++++++	++++++	++++++
11 C-26	++++++	++++++	++++++	++++++	++++++	++++++	++++++
12 C-28	++++++	++++++	++++++	++++++	++++++	++++++	++++++
13 C-30	++++++	++++++	++++++	++++++	++++++	++++++	++++++
14 C-32	++++++	++++++	++++++	++++++	++++++	++++++	++++++
15 C-34	++++++	++++++	++++++	++++++	++++++	++++++	++++++
16 C-36	++++++	++++++	++++++	++++++	++++++	++++++	++++++
17 C-38	++++++	++++++	++++++	++++++	++++++	++++++	++++++
19 C-40	++++++	++++++	++++++	++++++	++++++	++++++	++++++
20 Total PRO	305008	359383	301362	286435	259930	302424	12.052
$ 7 O-TERPHENYL	657233	835587	692726	676855	637643	700009	11.223
$ 18 Nonatriacontane	10277	9198	10127	9261	10075	9787	5.266

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 25-APR-2002 09:17
End Cal Date : 25-APR-2002 13:07
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /var/chem/gcsv2ad.i/2020515.b/flprosur.m
Cal Date : 15-May-2002 10:05 tls
Curve Type : Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 8.24476909                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad003.d
Lab Smp Id: 5 PPM FLPRO
Inj Date : 25-APR-2002 10:15
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 5 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 14:17 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
20 Total PRO	17.587	17.587	0.000	61870326	85.0000	108.5760(M)

QC Flag Legend

M - Compound response manually integrated.

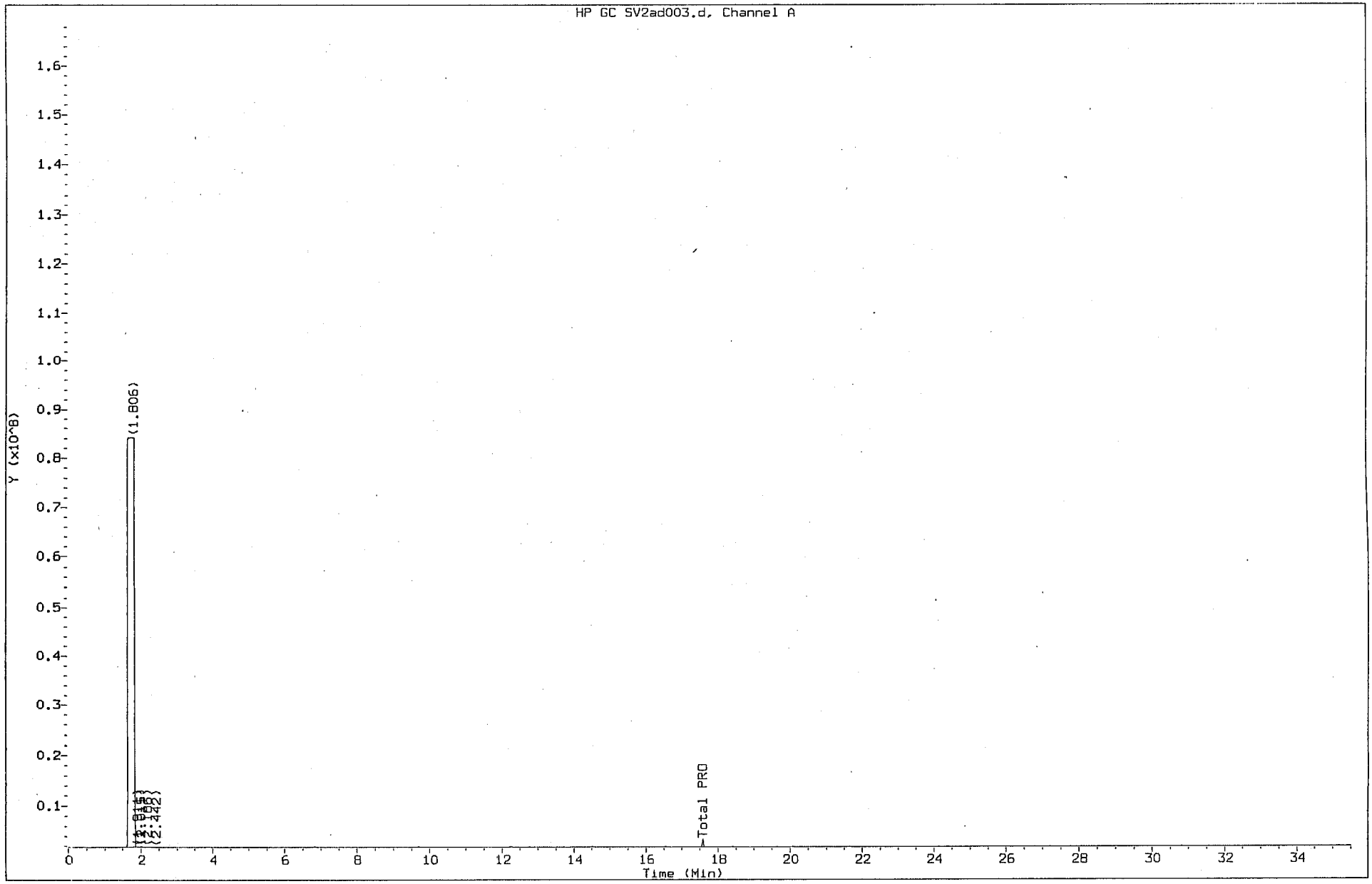
25925681

$$\frac{61870326 - 35944645}{85} = 305{,}008$$

000306

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad003.d
Date: 25-APR-2002 10:15
Client Id:
Sample Info: 5 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad003s.d
Lab Smp Id: 5 PPM FLPRO
Inj Date : 25-APR-2002 10:15
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 5 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flprosur.m
Meth Date : 22-May-2002 11:09 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.586	17.585	0.001	32861630	50.0000	46.9446
$ 18 Nonatriacontane	36.954	36.954	0.000	3083015	300.000	314.9975(M)

QC Flag Legend

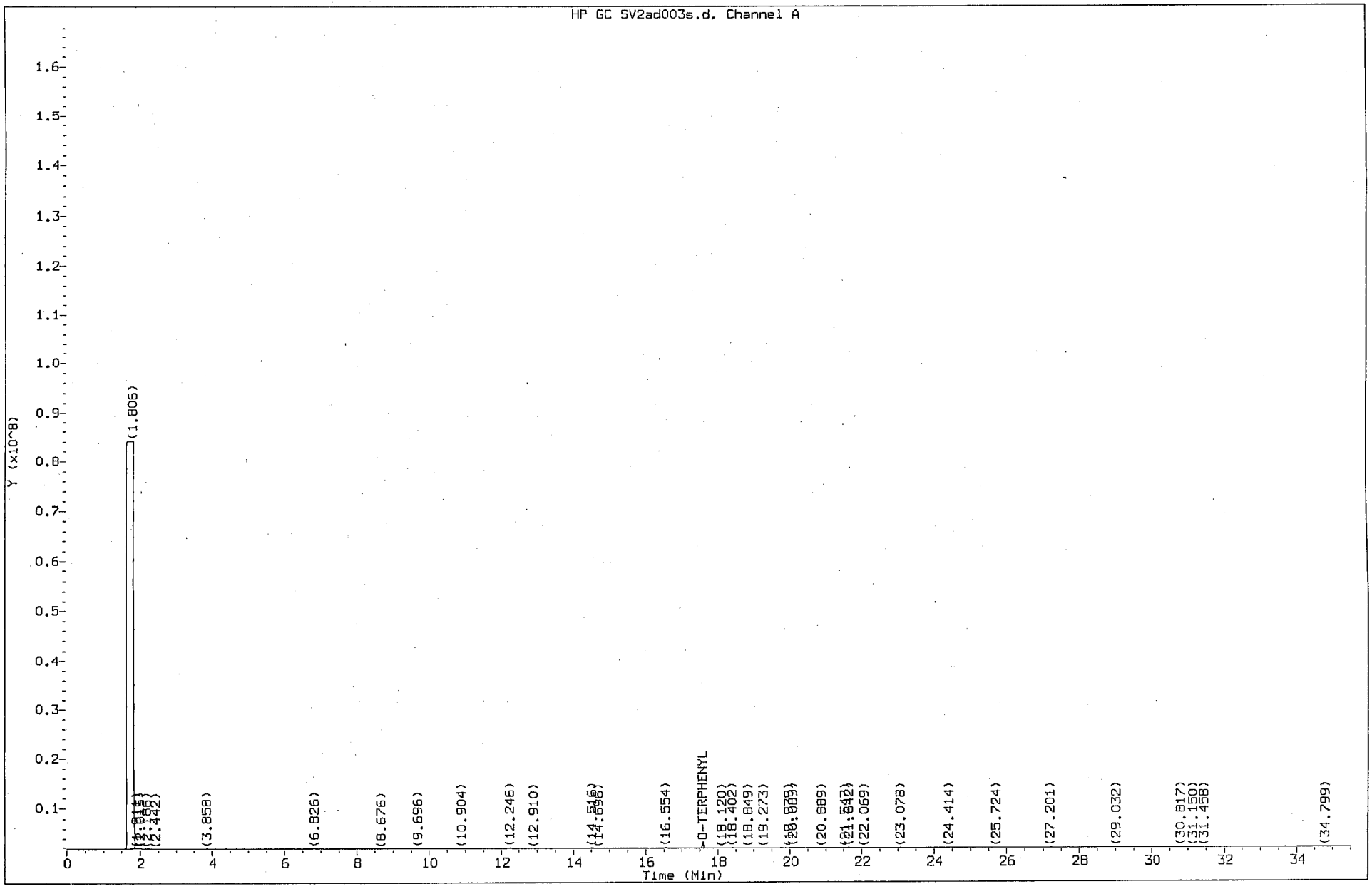
M - Compound response manually integrated.

Surr Area = 35944645

000308

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad003s.d
Date: 25-APR-2002 10:15
Client Id:
Sample Info: 5 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad002.d
Lab Smp Id: 50 PPM FLPRO
Inj Date : 25-APR-2002 09:17
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 50 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 11:02 tnt Quant Type: ESTD
Cal Date : 12-MAR-2002 20:25 Cal File: SV2ad004s.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
20 Total PRO	9.717	14.274	-4.557	350014556	850.000	1575.5359(M)

QC Flag Legend

M - Compound response manually integrated.

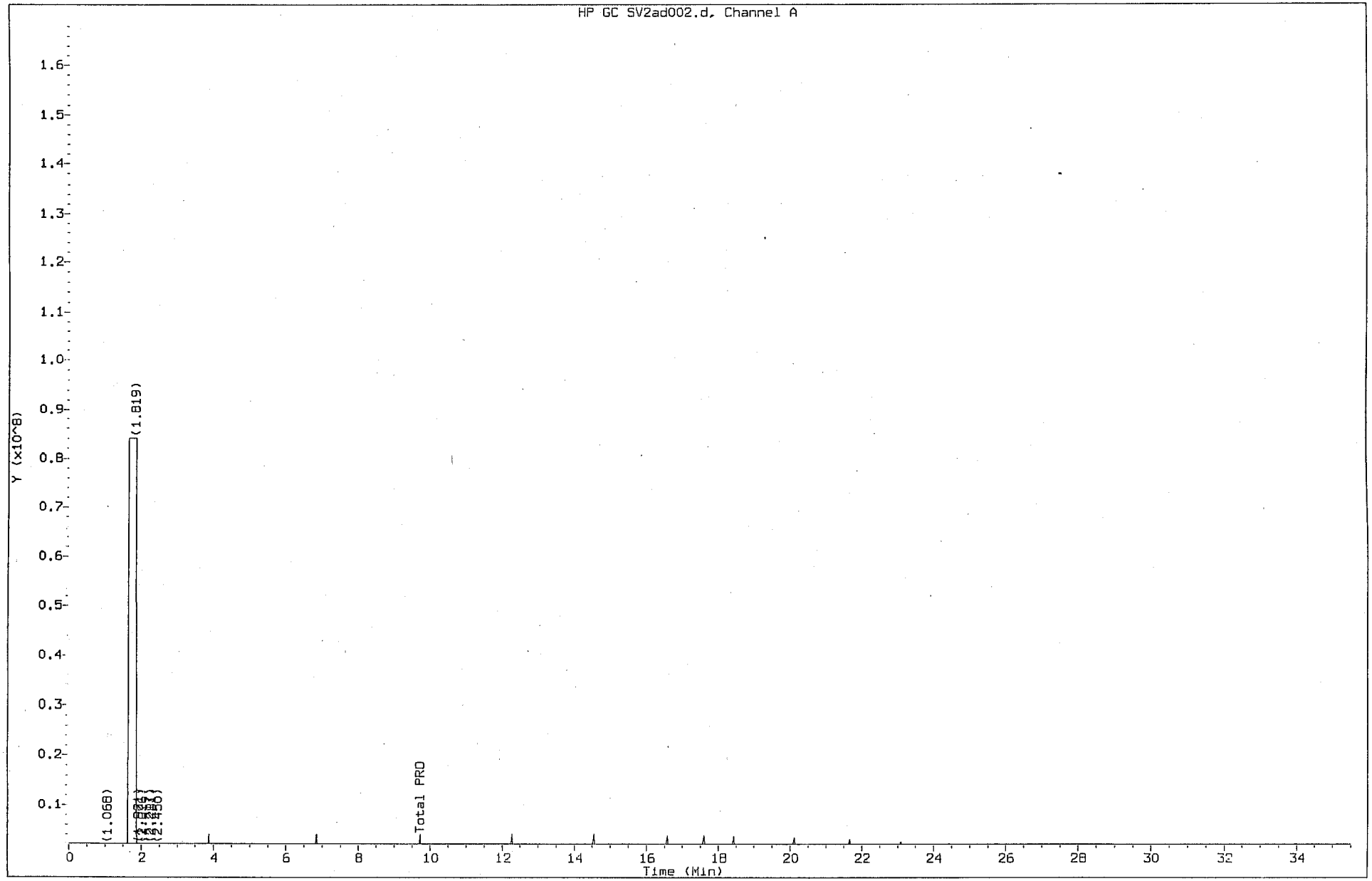
350014556 - 44538629 = 305475927

RF = 359,383

000310

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad002.d
Date: 25-APR-2002 09:17
Client Id:
Sample Info: 50 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad002s.d
Lab Smp Id: 50 PPM FLPRO
Inj Date : 25-APR-2002 09:17
Operator : tnt
Smp Info : 50 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 11:02 tnt
Cal Date : 12-MAR-2002 20:25
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP Genie
Target Version: 3.50
Processing Host: hpchem

Inst ID: gcsv2ad.i

Quant Type: ESTD
Cal File: SV2ad004s.d
Continuing Calibration Sample

Compound Sublist: flsurr.sub

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

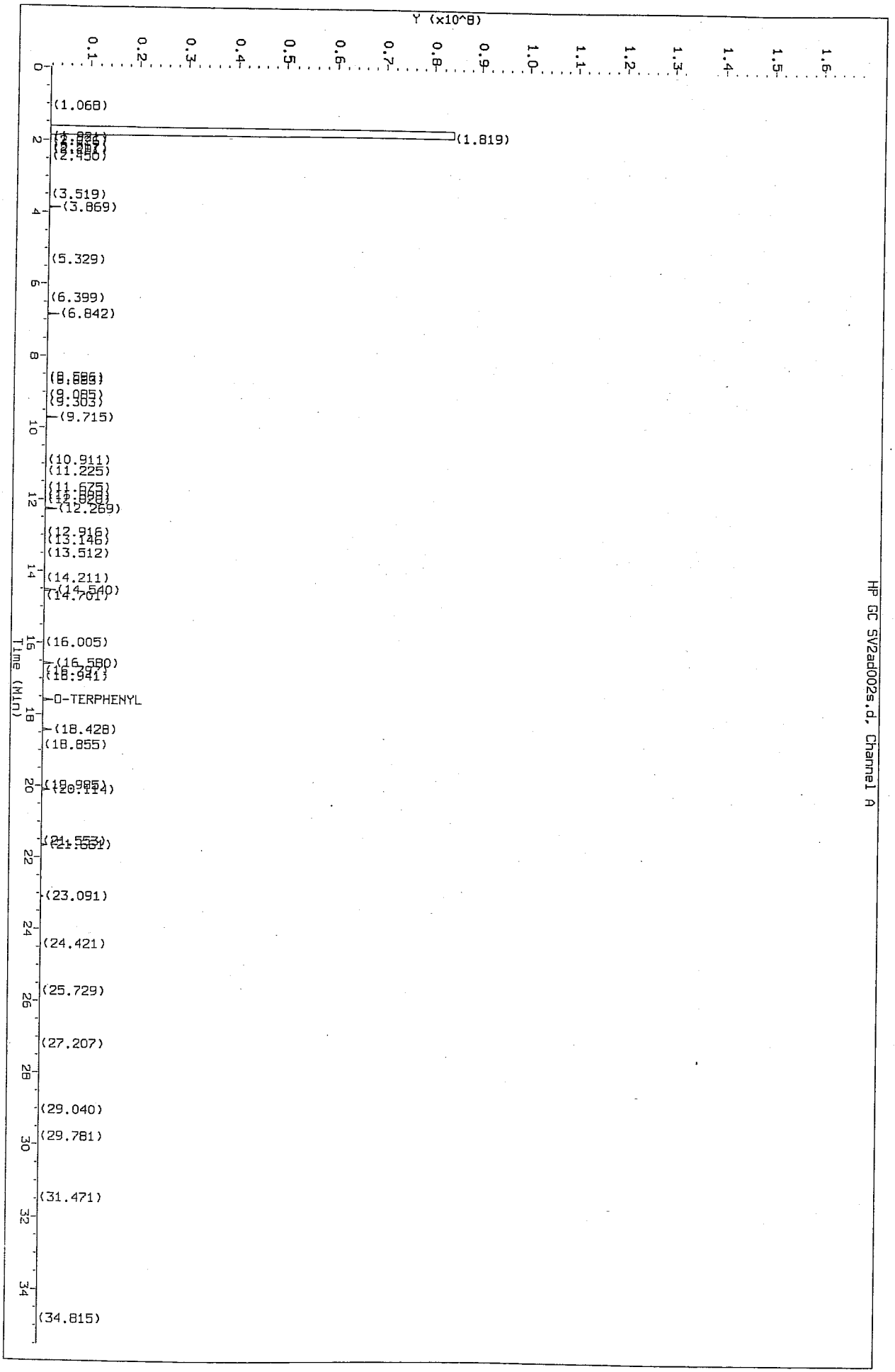
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.598	17.598	0.000	41779341	50.0000	83.7616
$ 18 Nonatriacontane	36.968	36.968	0.000	2759288	300.000	301.5051

44538629

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad002s.d
Date: 25-APR-2002 09:17
Client Id:
Sample Info: 50 PPM FLPRO
Volume Injected (uL) : 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



000312

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad004.d
Lab Smp Id: 150 PPM FLPRO
Inj Date : 25-APR-2002 11:17
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 150 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 11:11 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	3.863	17.587	-13.724	806147735	1393.14	111451.5467(M)

QC Flag Legend

M - Compound response manually integrated.

768473444

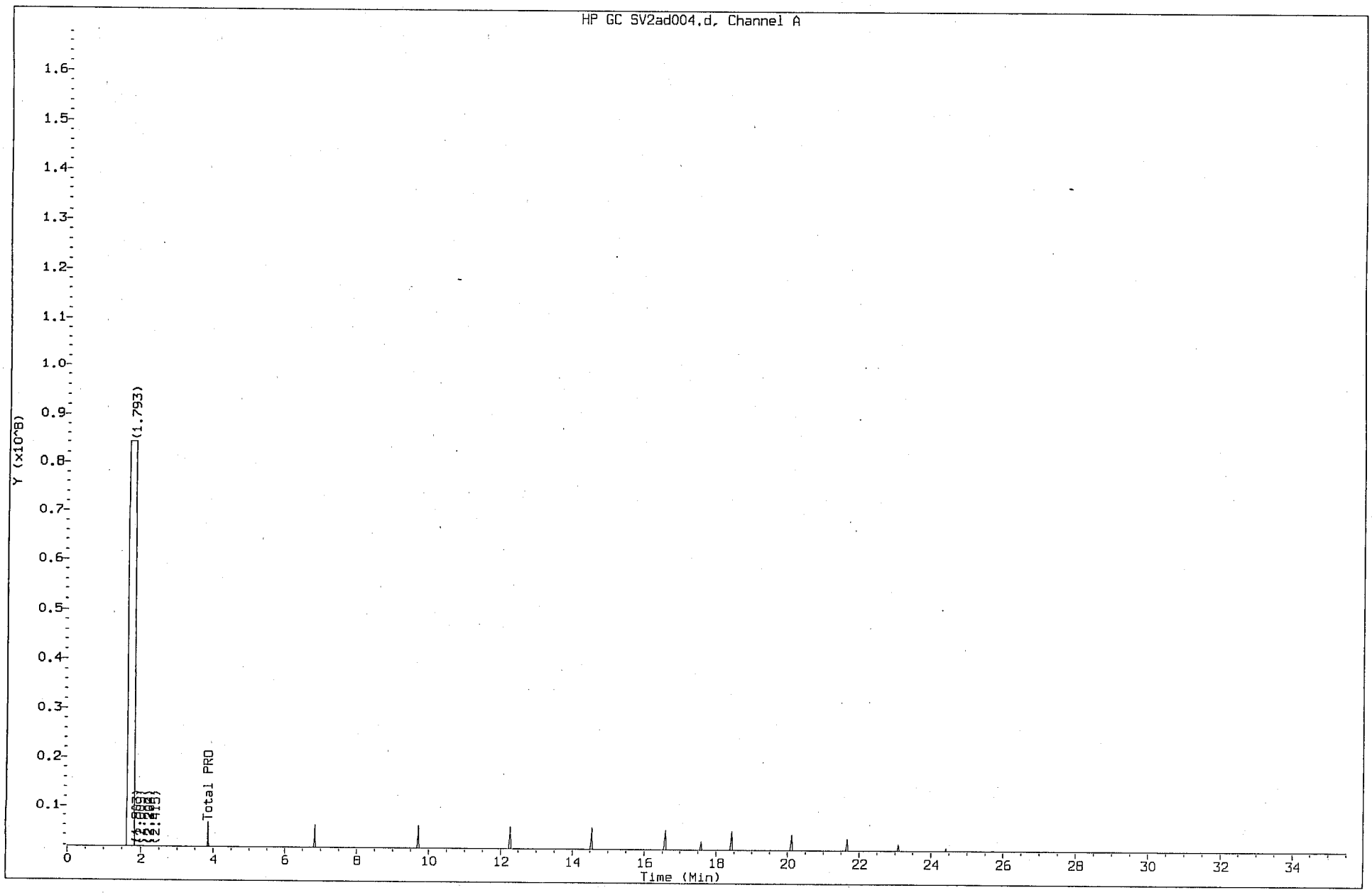
$$\frac{806147735 - 37674291}{2550} = 301,362$$

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad004.d
Date: 25-APR-2002 11:17
Client Id:
Sample Info: 150 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt
Column diameter: 0.53

000314



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad004s.d
Lab Smp Id: 150 PPM FLPRO
Inj Date : 25-APR-2002 11:17
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 150 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flprosur.m
Meth Date : 25-Apr-2002 12:11 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 11:17 Cal File: SV2ad004s.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

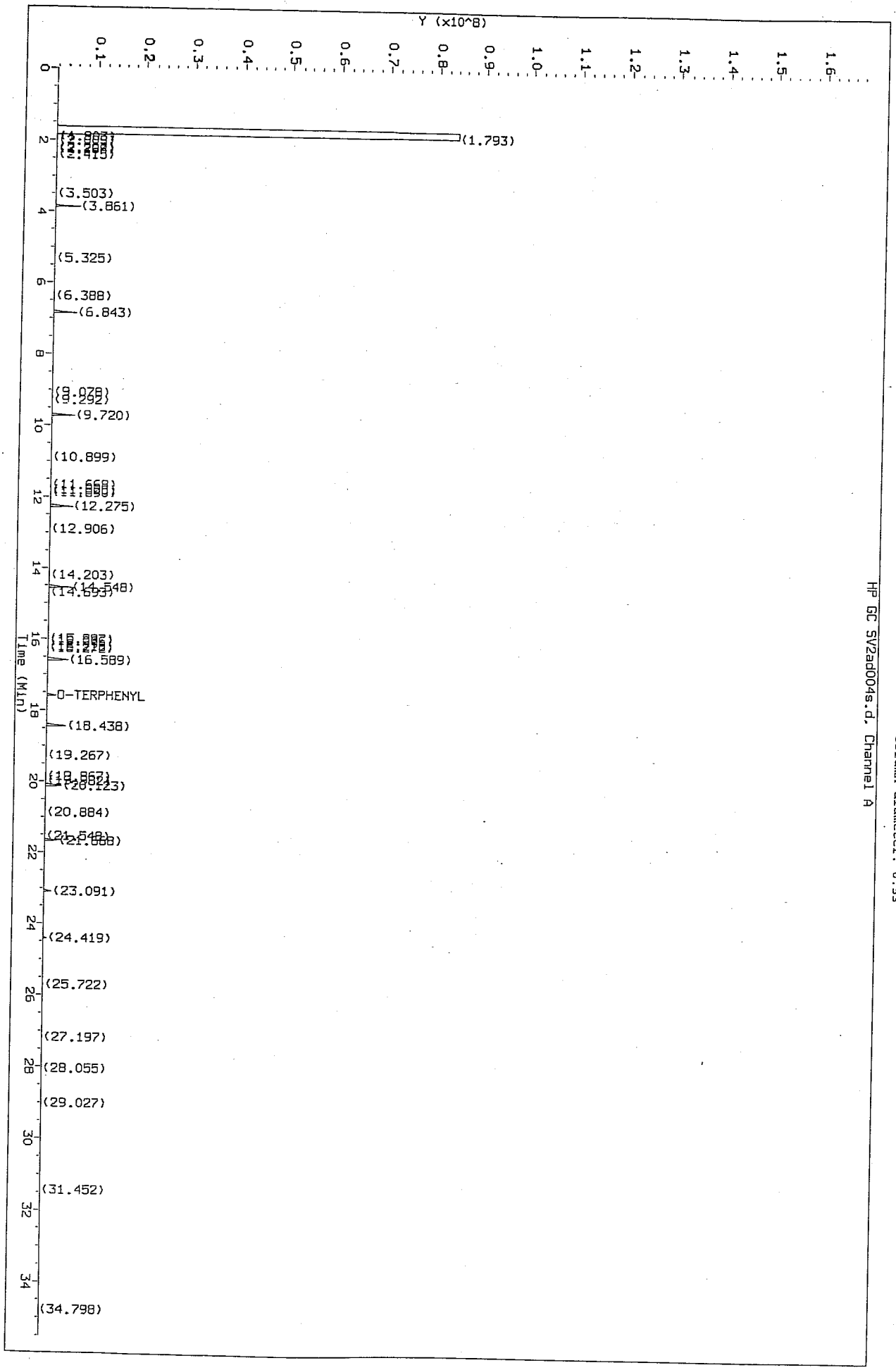
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.585	17.585	0.000	34636284	50.0000	66.0443
$ 18 Nonatriacontane	36.949	36.949	0.000	3038007	300.000	325.4379

Data File: /var/chem/gcsv2ad.i/20020425.b/SV2ad004s.d
Date: 25-APR-2002 11:17
Client Id:
Sample Info: 150 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad005.d
Lab Smp Id: 250 PPM FLPRO
Inj Date : 25-APR-2002 12:12
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 250 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 11:11 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	3.865	17.587	-13.722	1253971341	2167.05	173364.0614(M)

QC Flag Legend

M - Compound response manually integrated.

1217350344

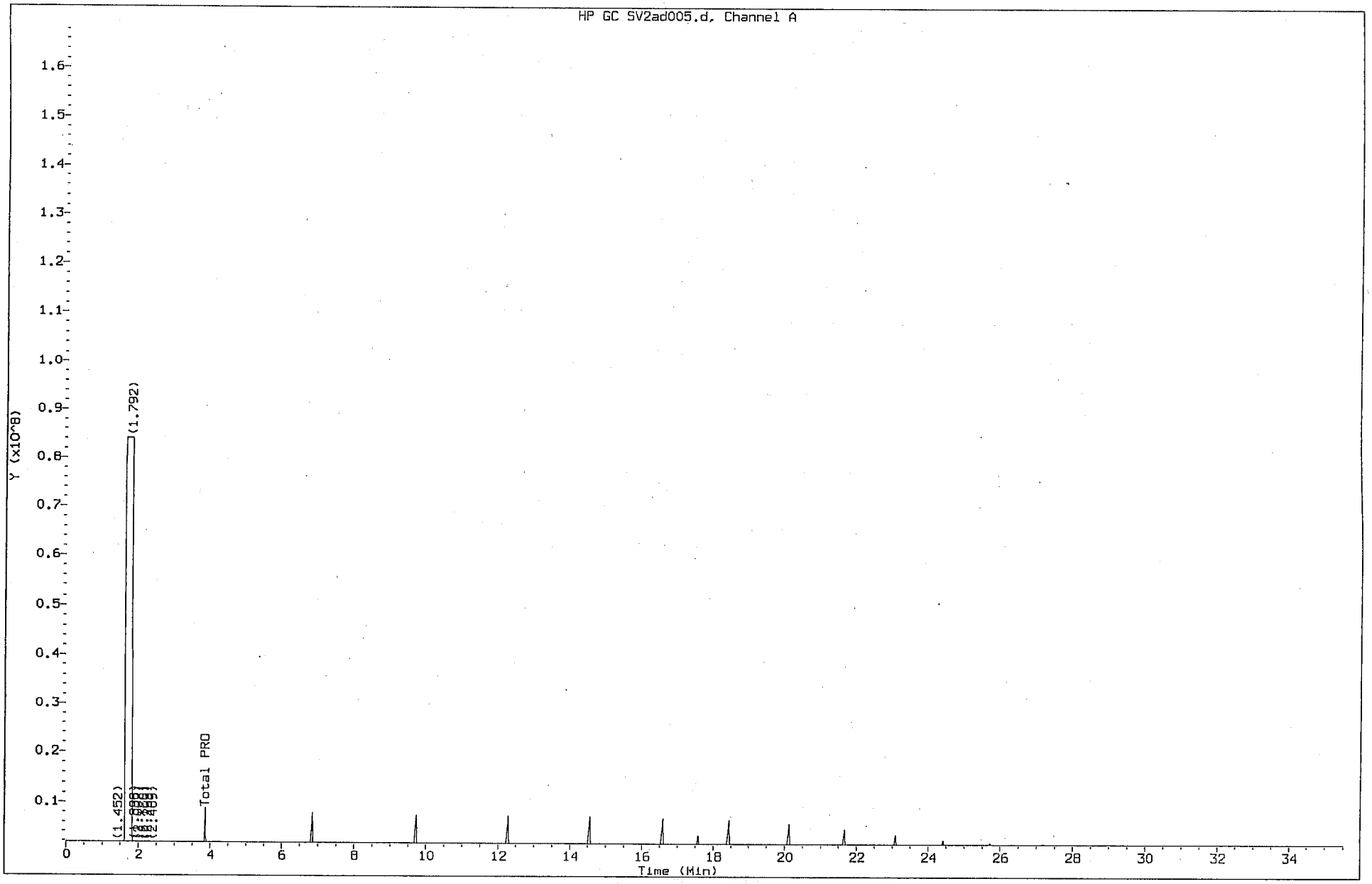
$$\frac{1253971341 - 36620997}{4250} = 286,435$$

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad005.d
Date: 25-APR-2002 12:12
Client Id:
Sample Info: 250 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt
Column diameter: 0.53

000318



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad005s.d
Lab Smp Id: 250 PPM FLPRO
Inj Date : 25-APR-2002 12:12
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 250 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flprosur.m
Meth Date : 25-Apr-2002 13:02 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 12:12 Cal File: SV2ad005s.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

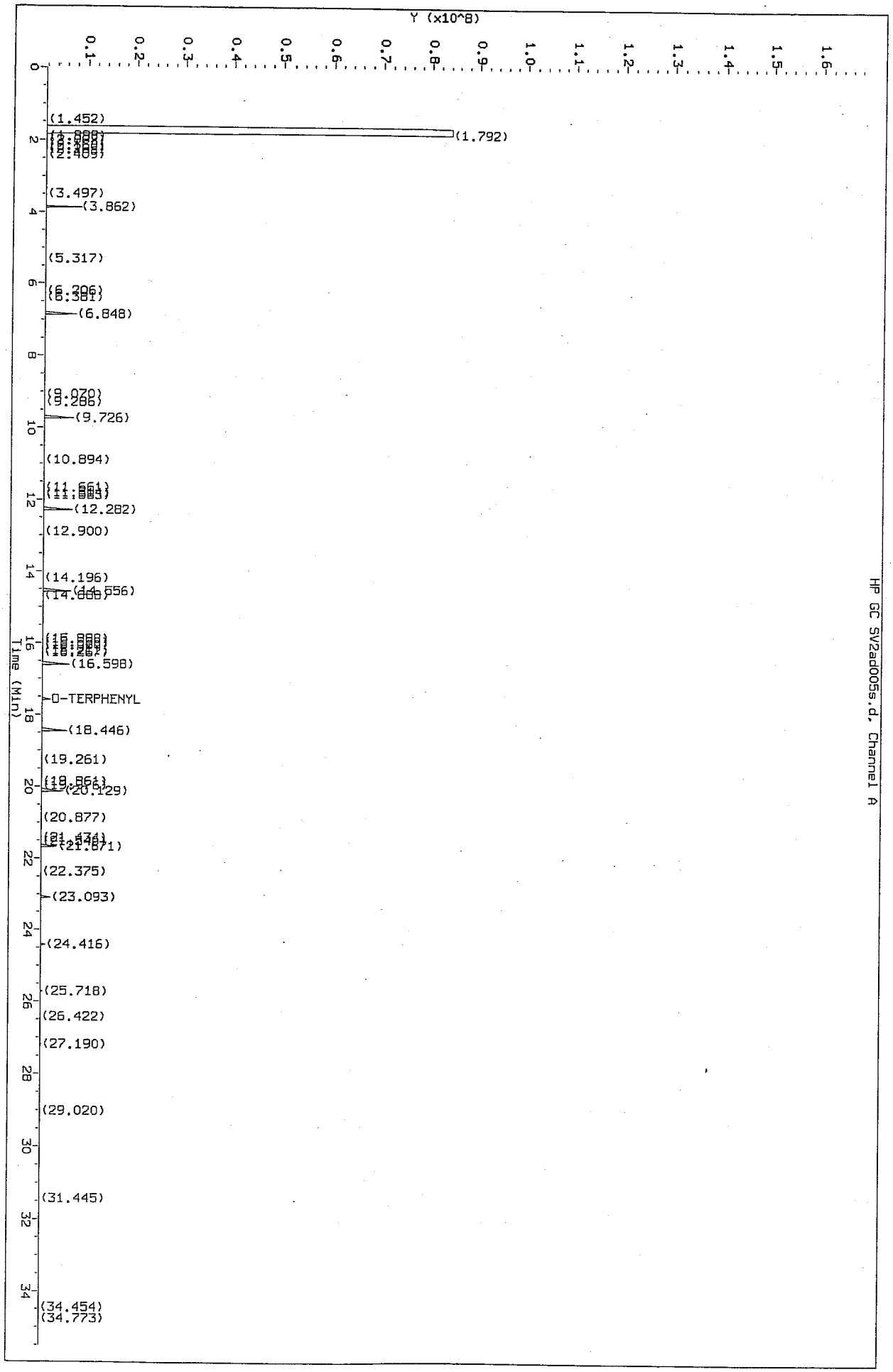
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.580	17.585	-0.005	33842766	50.0000	60.0480
$ 18 Nonatriacontane	36.918	36.918	0.000	2778231	300.000	293.6280

36620997

Data File: /var/chem/gcsv2ad.i/20020425.b/SV2ad005s.d
Date: 25-APR-2002 12:12
Client Id:
Sample Info: 250 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



HP GC SV2ad005s.d, Channel A

000320

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad006.d
Lab Smp Id: 500 PPM FLPRO
Inj Date : 25-APR-2002 13:07
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 500 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 11:11 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	3.877	17.587	-13.710	2244307043	3878.50	310279.9652(M)

QC Flag Legend

M - Compound response manually integrated.

2209402298

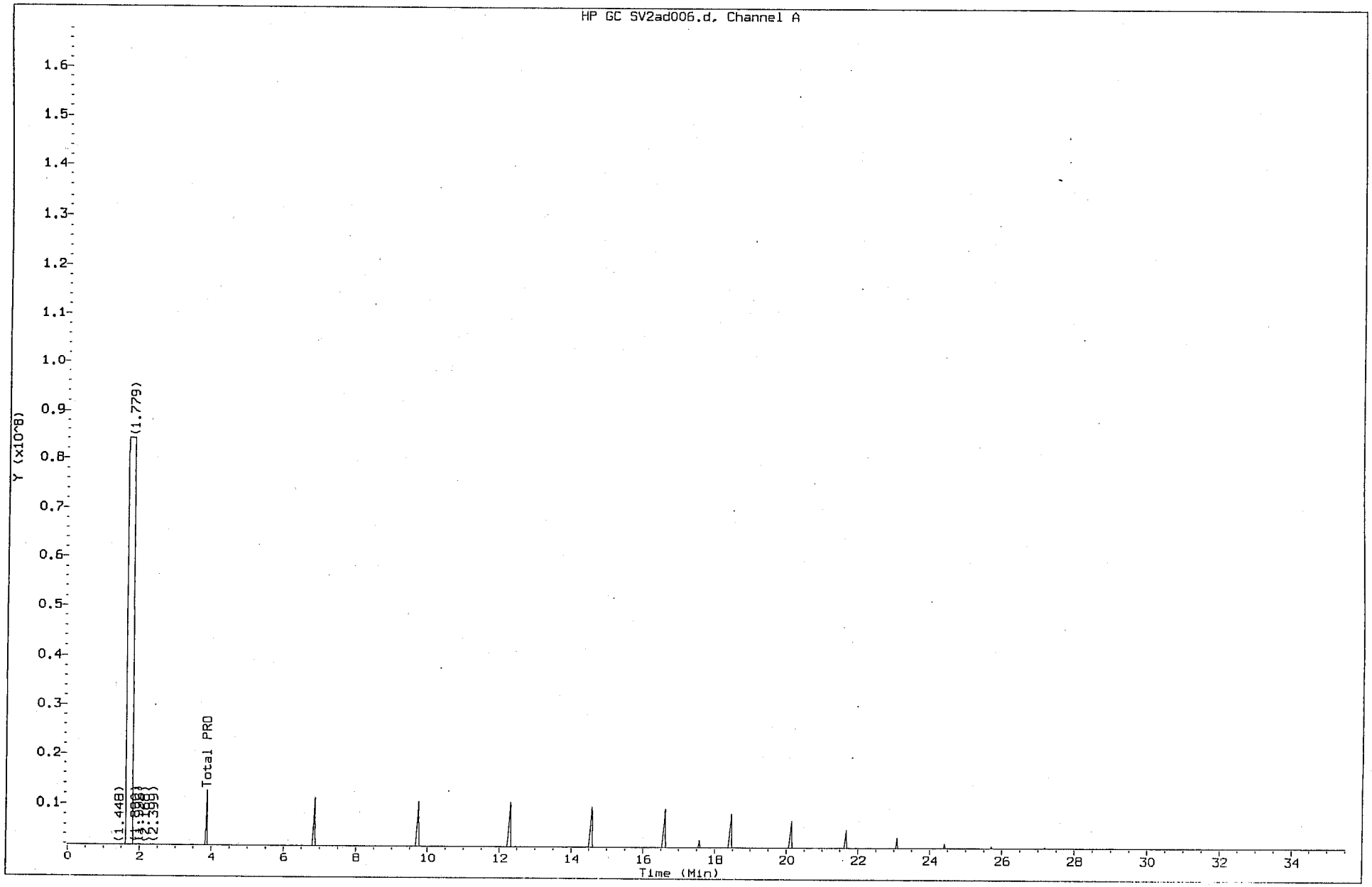
$$\frac{2244307043 - 34904745}{8500} = 259,930$$

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad006.d
Date: 25-APR-2002 13:07
Client Id:
Sample Info: 500 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt
Column diameter: 0.53

0003222



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad006s.d
Lab Smp Id: 500 PPM FLPRO
Inj Date : 25-APR-2002 13:07
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 500 PPM FLPRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flprosur.m
Meth Date : 25-Apr-2002 13:59 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006s.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

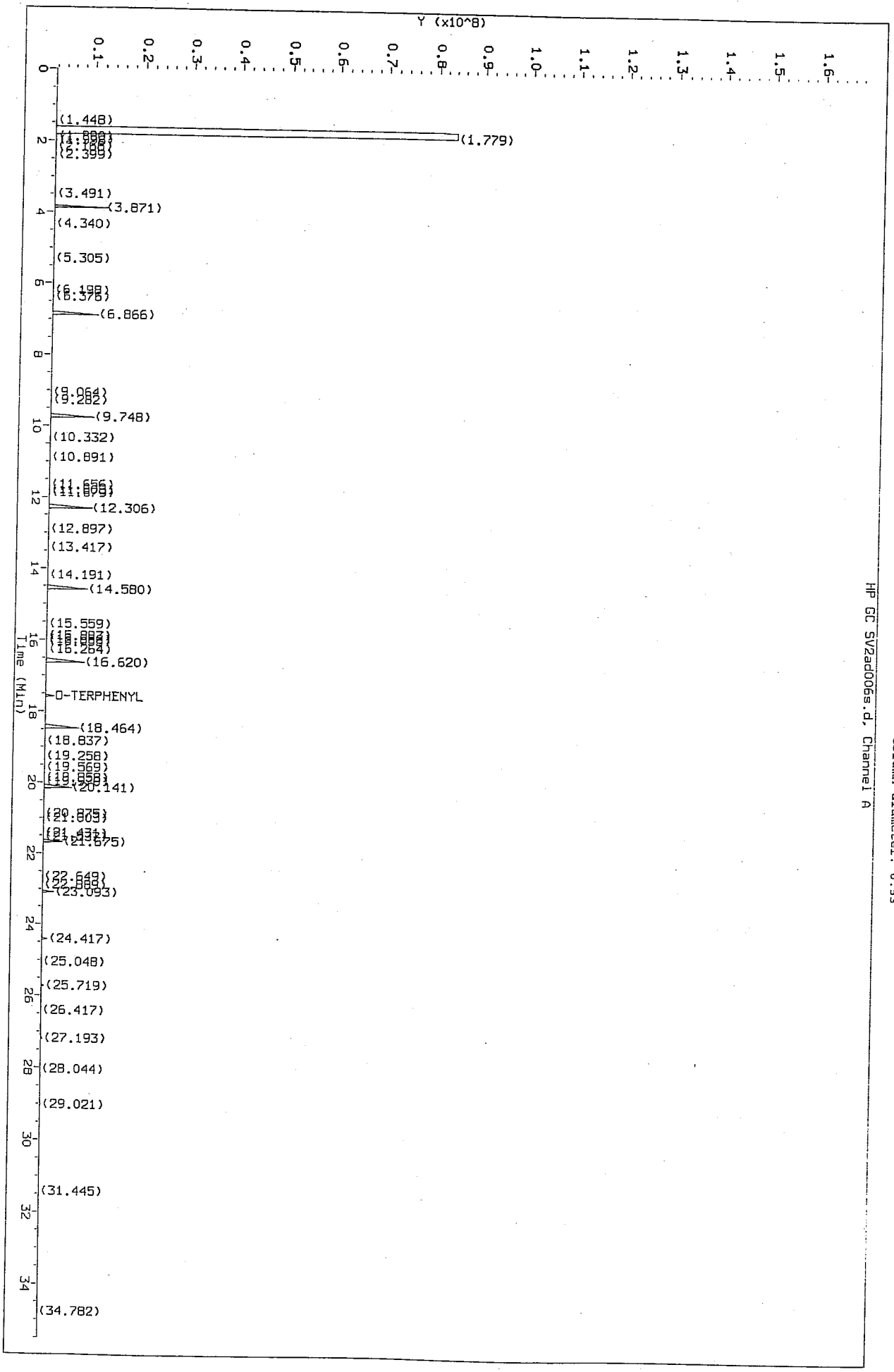
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.577	17.585	-0.008	31882150	50.0000	52.6848
$ 18 Nonatriacontane	36.917	36.918	-0.001	3022595	300.000	311.0994

Surr Area = 34904745

Data File: /var/chem/gcsv2ad.i/20020425.b/SV2ad006s.d
Date: 25-APR-2002 13:07
Client Id:
Sample Info: 500 PPM FLPRO
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020425.b/SV2ad008.d
Lab Smp Id: 250 PPM ICV
Inj Date : 25-APR-2002 14:58
Operator : tls Inst ID: gcsv2ad.i
Smp Info : 250 PPM ICV
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020425.b/flpro.m
Meth Date : 25-Apr-2002 14:17 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	3.885	17.587	-13.702	1201172703	2107.93	168634.7509(M)

QC Flag Legend

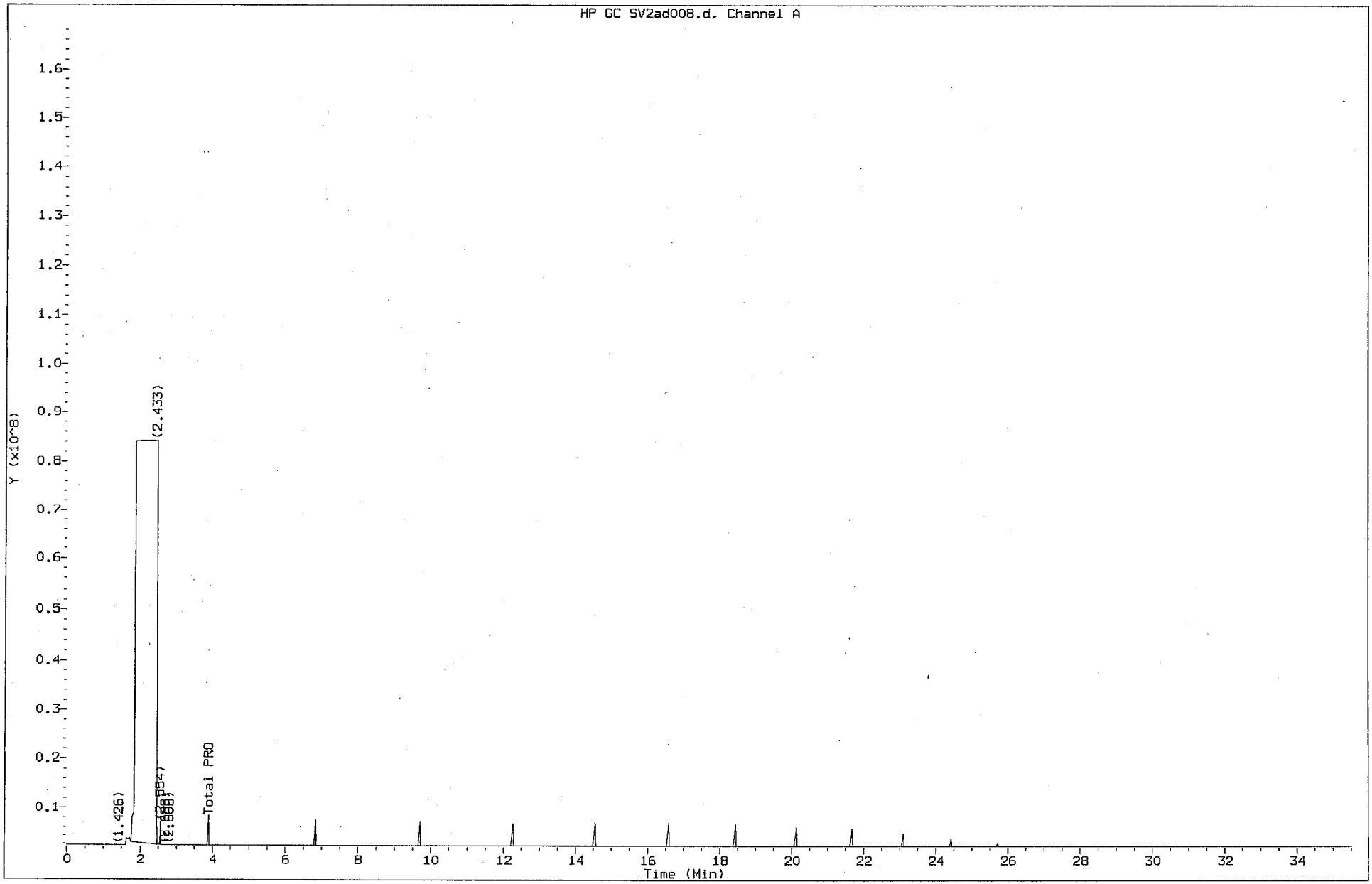
M - Compound response manually integrated.

$\frac{1201172703}{4250} = \frac{282,629}{362,424} = 6.5\%$

000326

Data File: /var/chem/gcsv2ad.i/2020425.b/SV2ad008.d
Date: 25-APR-2002 14:58
Client Id:
Sample Info: 250 PPM ICV
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tls
Column diameter: 0.53



7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: GCSV2AD Calibration Date: 06/20/02 Time: 1457

Lab File ID: SV2AD001 Init. Calib. Date(s): 04/25/02 04/25/02

Init. Calib. Times: 0917 1307

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Total PRO	302424	288384		5	
O-TERPHENYL	700009	555216		20.7	
Nonatriacontane	9787.5	7660.8		21.7	

All other compounds must meet a minimum RRF of 0.010.

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad001.d
Lab Smp Id: 50 PPM CCV
Inj Date : 20-JUN-2002 14:57
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 50 PPM CCV
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
20 Total PRO	6.803	6.790	0.013	275185768	850.000	909.9344(M)

QC Flag Legend

M - Compound response manually integrated.

$$\frac{275185768 - 30059050}{\cancel{302424}} = \frac{288384}{302424} = 5\%$$

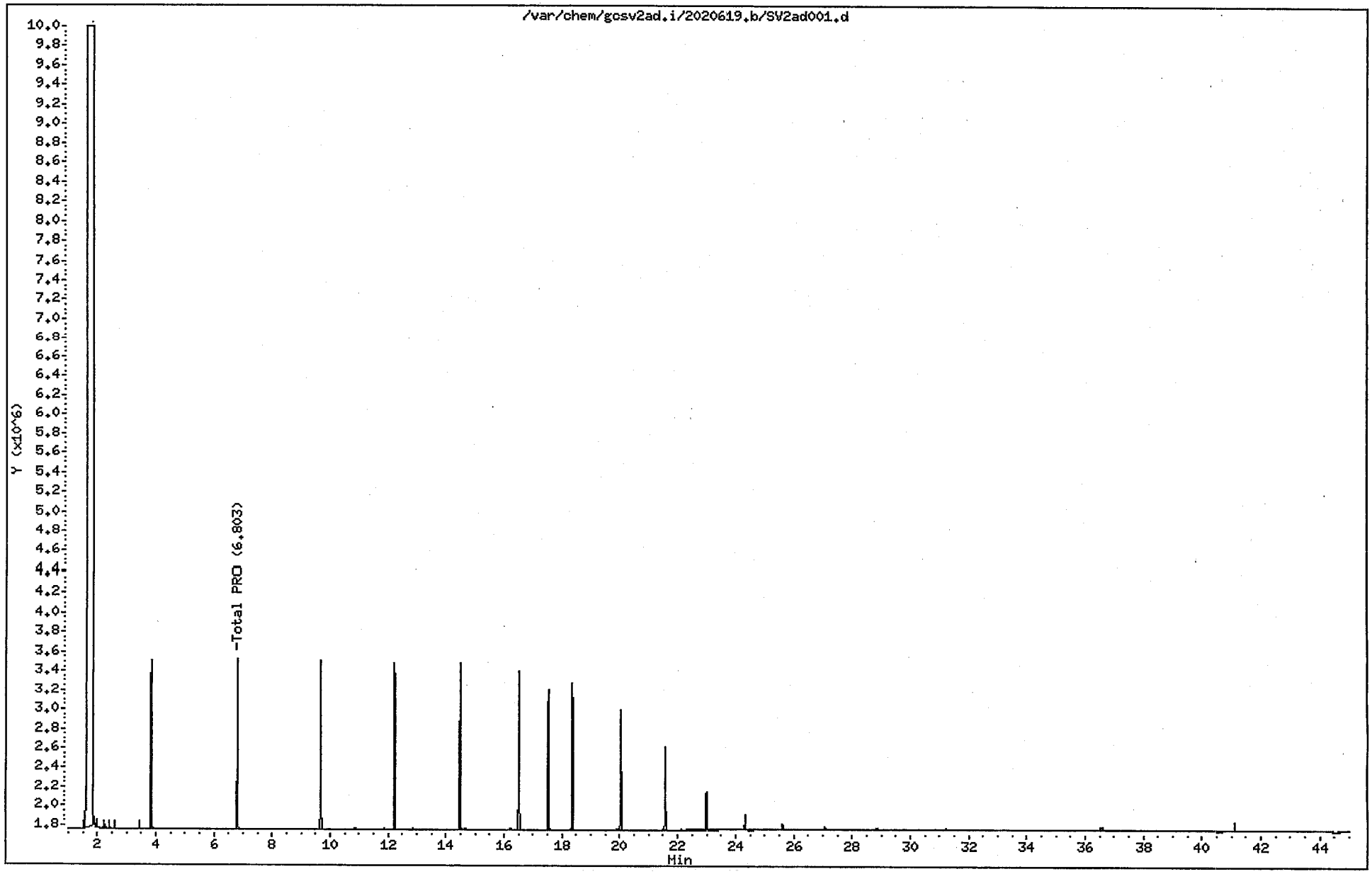
BTO

06/21/02
~~tnt~~

000329

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad001.d
Date : 20-JUN-2002 14:57
Client ID:
Sample Info: 50 PPM CCV
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad001s.d
Lab Smp Id: 50 PPM CCV
Inj Date : 20-JUN-2002 14:57
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 50 PPM CCV
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

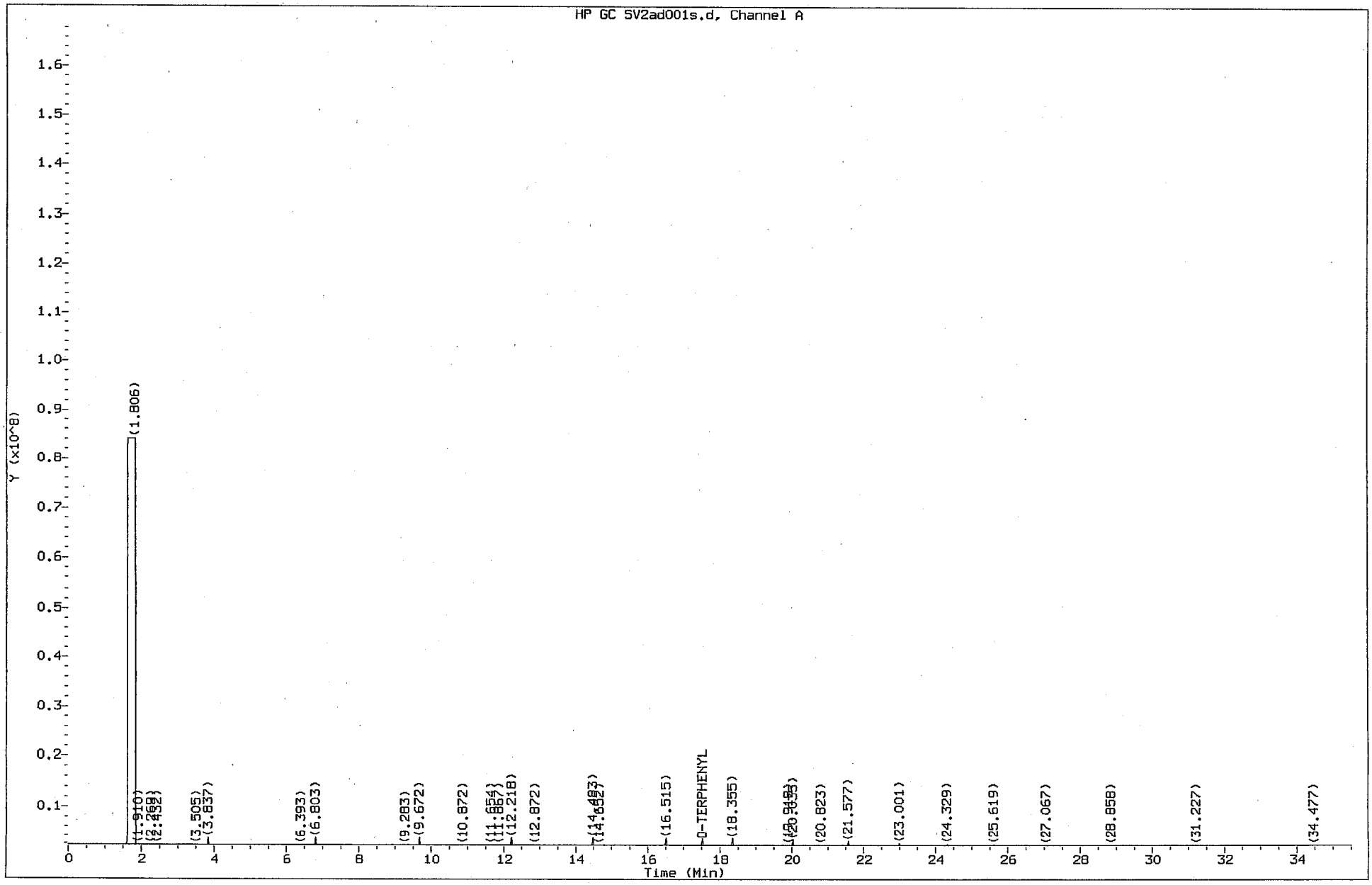
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/ML)	AMOUNTS ON-COL (UG/ML)
$ 7 O-TERPHENYL	17.522	17.535	-0.013	27760811	50.0000	39.6578
$ 18 Nonatriacontane	36.568	36.568	0.000	2298239	300.000	234.8155

30059050

000331

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad001s.d
Date: 20-JUN-2002 14:57
Client Id:
Sample Info: 50 PPM CCV
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Instrument ID: GCSV2AD Calibration Date: 06/21/02 Time: 0405

Lab File ID: SV2AD013 Init. Calib. Date(s): 04/25/02 04/25/02

Init. Calib. Times: 0917 1307

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Total PRO	302424	256780		15.3	
O-TERPHENYL	700009	593680		15.2	
Nonatriacontane	9787.5	9143.5		6.6	

All other compounds must meet a minimum RRF of 0.010.

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad013.d
Lab Smp Id:
Inj Date : 21-JUN-2002 04:05
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 50 PPM PRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	6.795	6.790	0.005	250264938	827.531	66202.4606(M)

QC Flag Legend

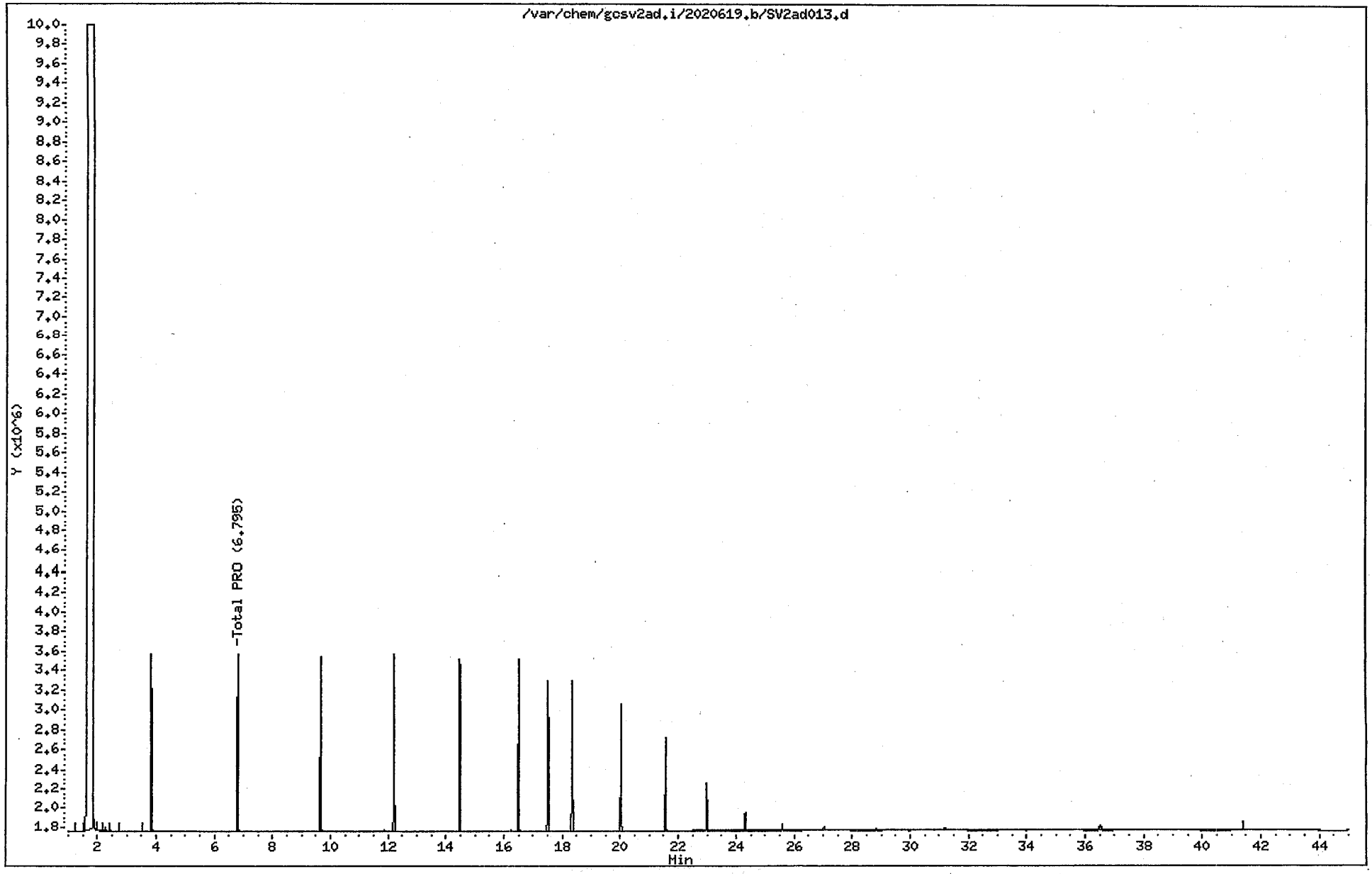
M - Compound response manually integrated.

$$\frac{250264938 - 32427038}{850} = \frac{356280}{352424} = 15.3\%$$

000334

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad013.d
Date : 21-JUN-2002 04:05
Client ID:
Sample Info: 50 PPM PRO
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad013s.d
Lab Smp Id: 50 PPM PRO
Inj Date : 21-JUN-2002 04:05
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 50 PPM PRO
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
$ 7 O-TERPHENYL	17.508	17.535	-0.027	29683988	42.4052	3392.4136
$ 18 Nonatriacontane	36.521	36.568	-0.047	2743050	280.263	22421.0170

32427038

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad013s.d

Date: 21-JUN-2002 04:05

Client Id:

Sample Info: 50 PPM PRO

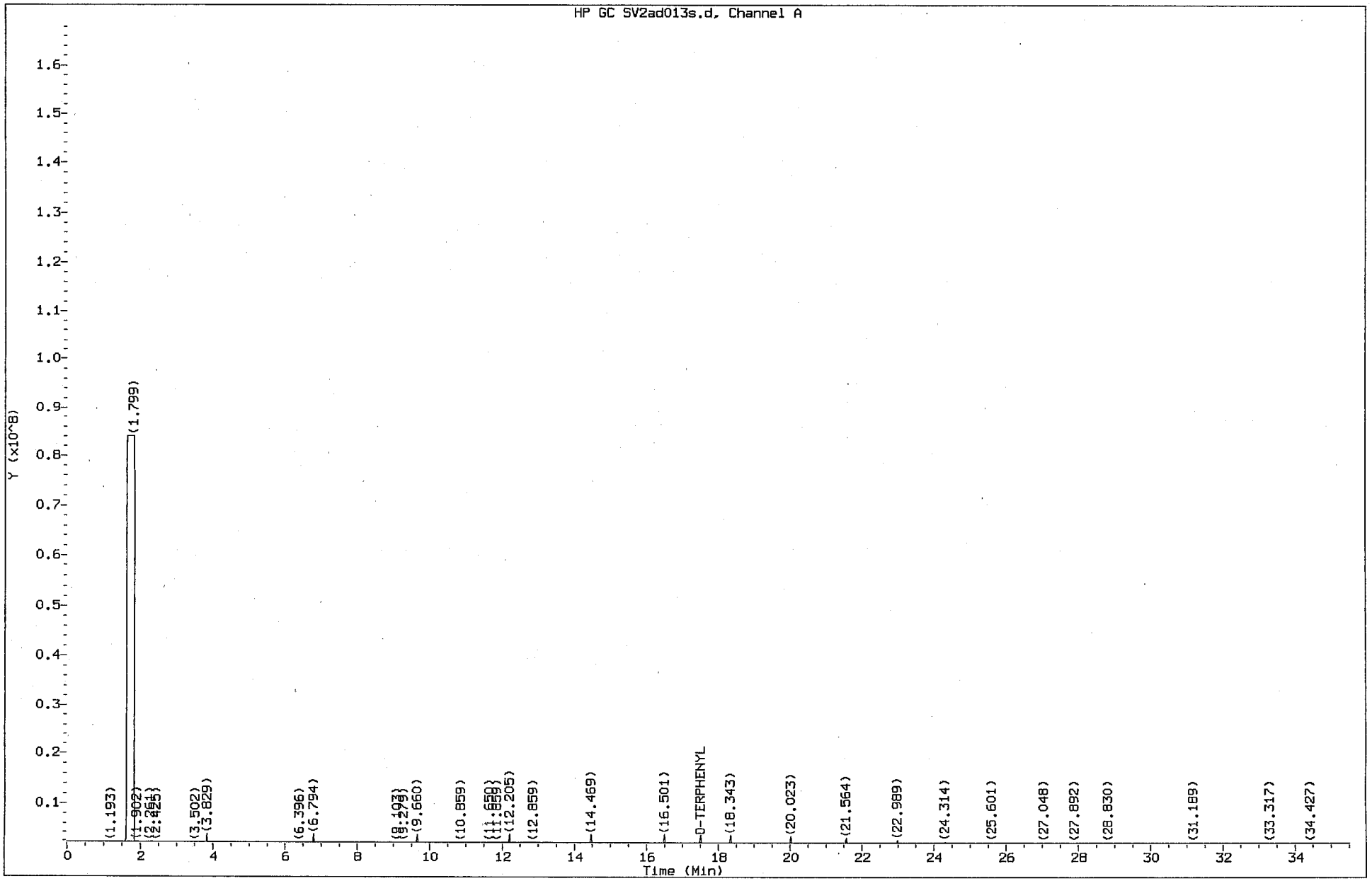
Volume Injected (uL): 1

Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt

Column diameter: 0.53



000336

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46425	Method Blank	Solid	06/21/2002 16:59

Florida PRO

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145852	Florida PRO	1	06/20/2002 19:00	TNT	146070

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
FLPRO-01	Petroleum Hydrocarbons	ND	8000		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
84-15-1	o-Terphenyl	4000	3450 ug/Kg	86	50 - 150
7194-86-7	Nonatriacontane	24000	8950 ug/Kg	37 *	40 - 150

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad003.d
Lab Smp Id: 46425 Client Smp ID: 1.0
Inj Date : 20-JUN-2002 19:00
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 46425-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	17.510	6.790	10.720	32545882	107.617	8609.3461(M)

QC Flag Legend

M - Compound response manually integrated.

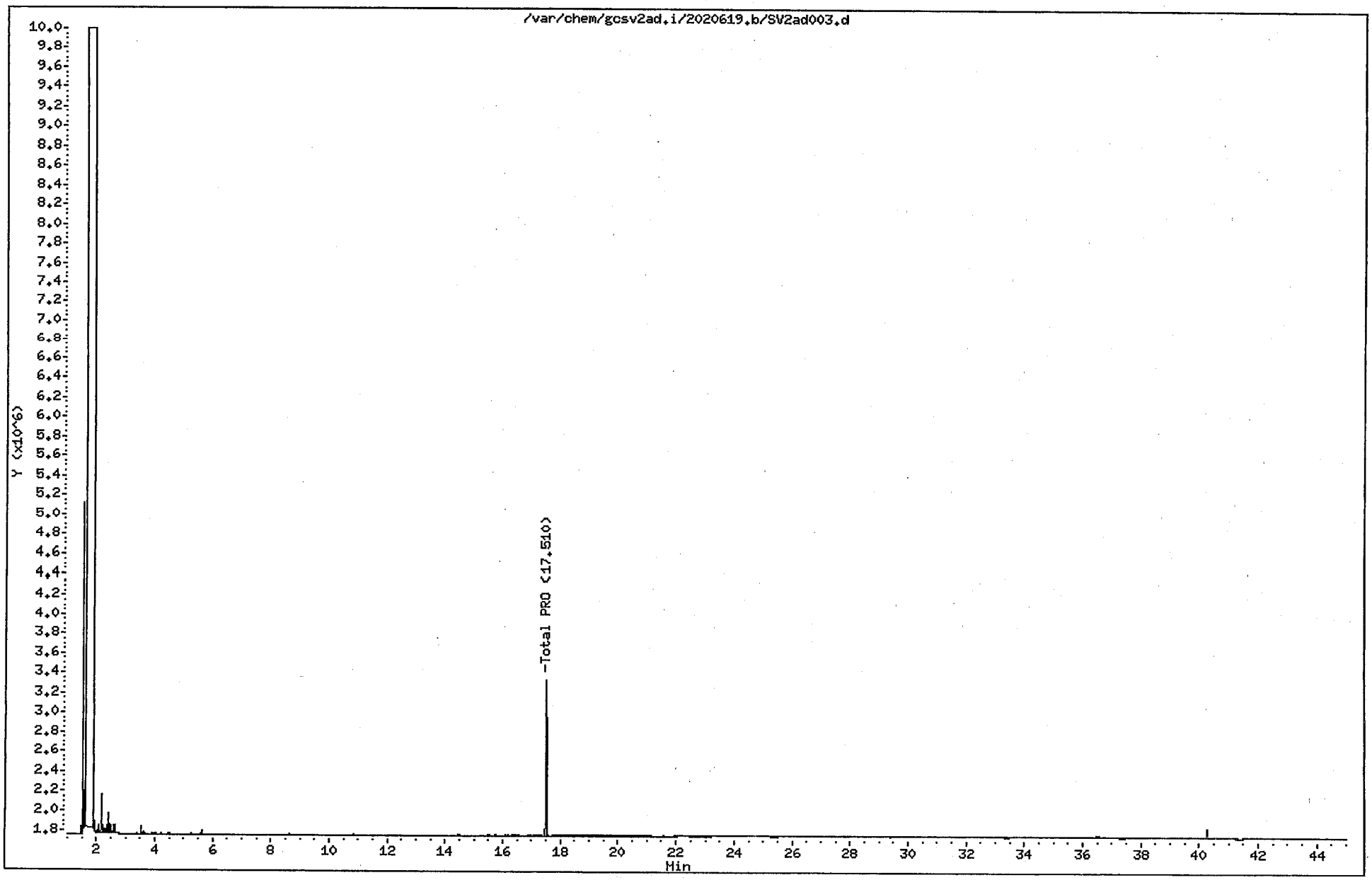
$$\frac{32545882 - 31276201}{302424} \cdot \frac{2}{25} \cdot 1000 = 336\,ppb$$

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad003.d
Date : 20-JUN-2002 19:00
Client ID: 1.0
Sample Info: 46425-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt
Column diameter: 0.53

000339



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad003s.d
Lab Smp Id: 46425
Inj Date : 20-JUN-2002 19:00
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 46425-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
$ 7 O-TERPHENYL	17.508	17.535	-0.027	30181576	43.1160	3449.2801
$ 18 Nonatriacontane	36.505	36.568	-0.063	1094625	111.840	8947.1959(R)

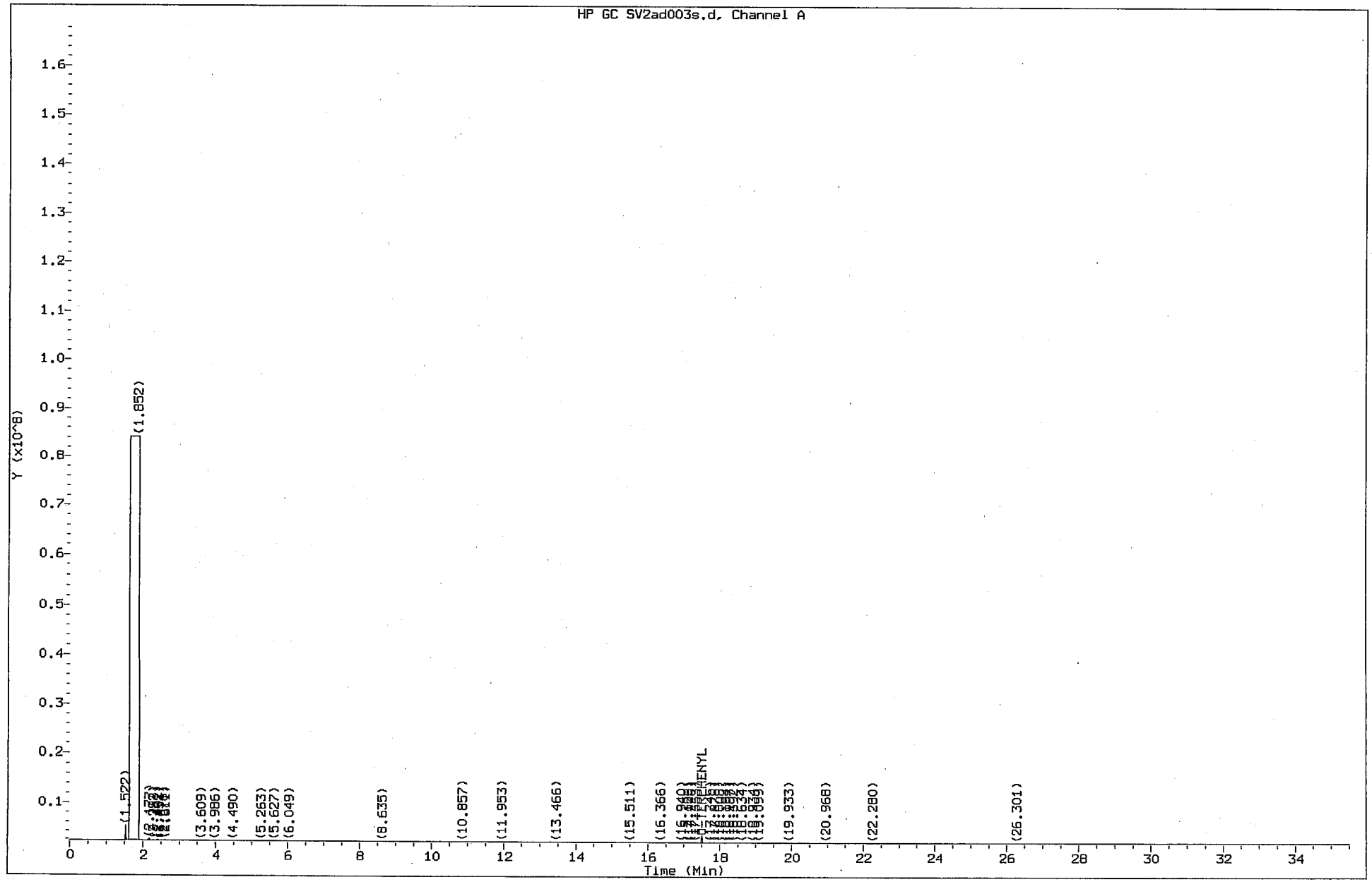
QC Flag Legend 31276201

R - Spike/Surrogate failed recovery limits.

000341

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad003s.d
Date: 20-JUN-2002 19:00
Client Id:
Sample Info: 46425-1.0-GCSV~17XX~-
Volume Injected (uL): 1
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46426	Lab Control Sample	Solid	06/21/2002 16:59

Florida PRO

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145852	Florida PRO	1	06/20/2002 19:55	TNT	146070

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
FLPRO-01	**Petroleum Hydrocarbons**	**65800**	**8000**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
84-15-1	**o-Terphenyl**	4000	3760 ug/Kg	94	50 - 150
7194-86-7	**Nonatriacontane**	24000	10500 ug/Kg	44	40 - 150

Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad004.d
Lab Smp Id: 46426 Client Smp ID: 1.0
Inj Date : 20-JUN-2002 19:55
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 46426-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flpro.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 13:07 Cal File: SV2ad006.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: PRO.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
20 Total PRO	12.207	6.790	5.417	282978786	935.703	74856.2386(M)

QC Flag Legend

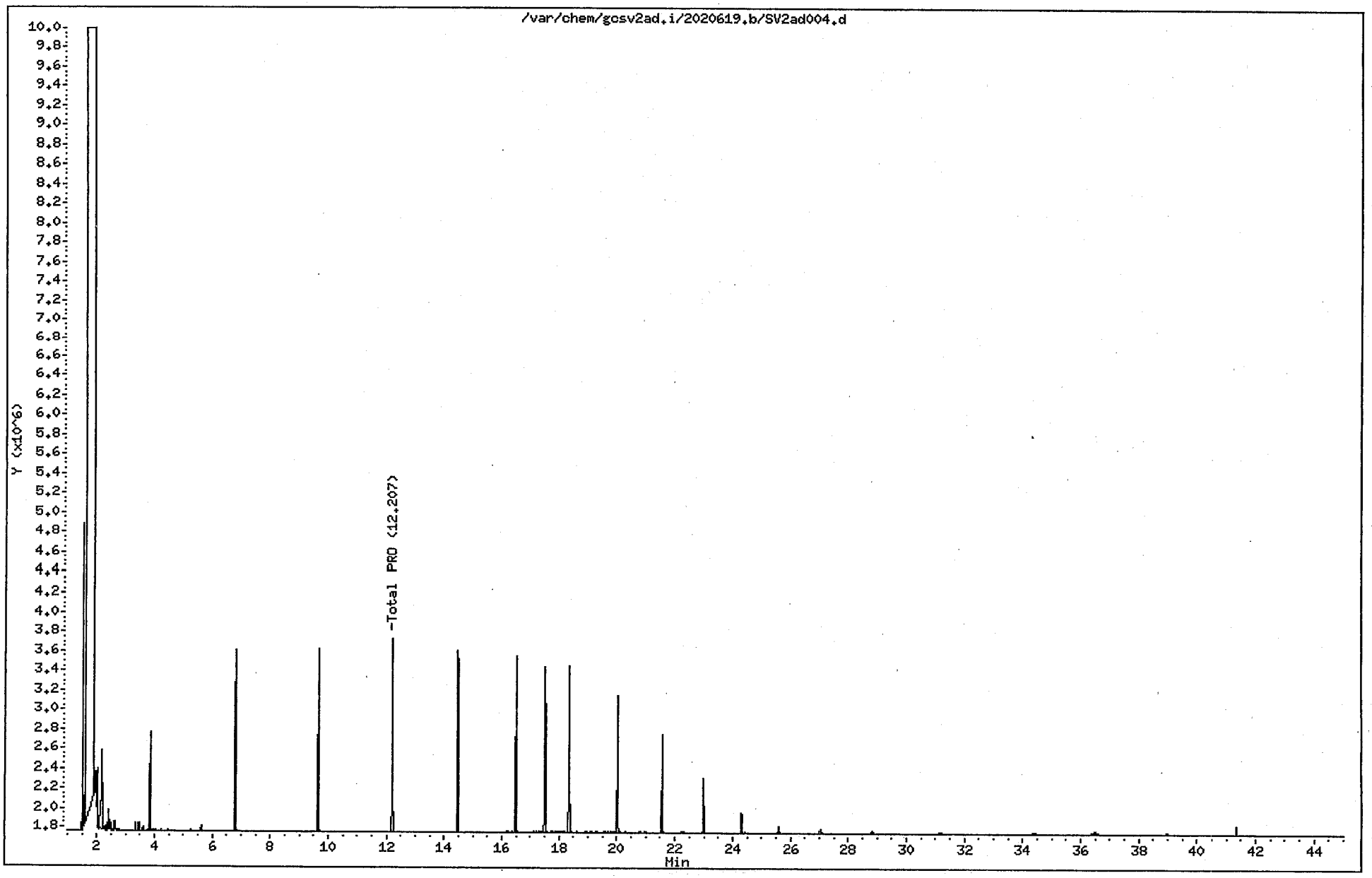
M - Compound response manually integrated.

$$\frac{282978786 - 34212524}{302424} \cdot \frac{2}{25} \cdot 1000 = \frac{65,800}{68,000} = 97$$

0003441

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad004.d
Date : 20-JUN-2002 19:55
Client ID: 1.0
Sample Info: 46426-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-1

Instrument: gcsv2ad.i
Operator: tnt
Column diameter: 0.53



Gulf Coast Analytical Services

Data file : /var/chem/gcsv2ad.i/2020619.b/SV2ad004s.d
Lab Smp Id: 46426
Inj Date : 20-JUN-2002 19:55
Operator : tnt Inst ID: gcsv2ad.i
Smp Info : 46426-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv2ad.i/2020619.b/flsurr.m
Meth Date : 20-Jun-2002 16:52 tnt Quant Type: ESTD
Cal Date : 25-APR-2002 10:15 Cal File: SV2ad003s.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: flsurr.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100)*1000 * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	2.00000	Volume of final extract (mL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	25.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/ML)	FINAL (ug/Kg)
$ 7 O-TERPHENYL	17.508	17.535	-0.027	32927728	47.0390	3763.1222
$ 18 Nonatriacontane	36.506	36.568	-0.062	1284796	131.270	10501.6069

342/2524

Data File: /var/chem/gcsv2ad.i/2020619.b/SV2ad004s.d

Date: 20-JUN-2002 19:55

Client Id:

Sample Info: 46426-1.0-GCSV~17XX~-

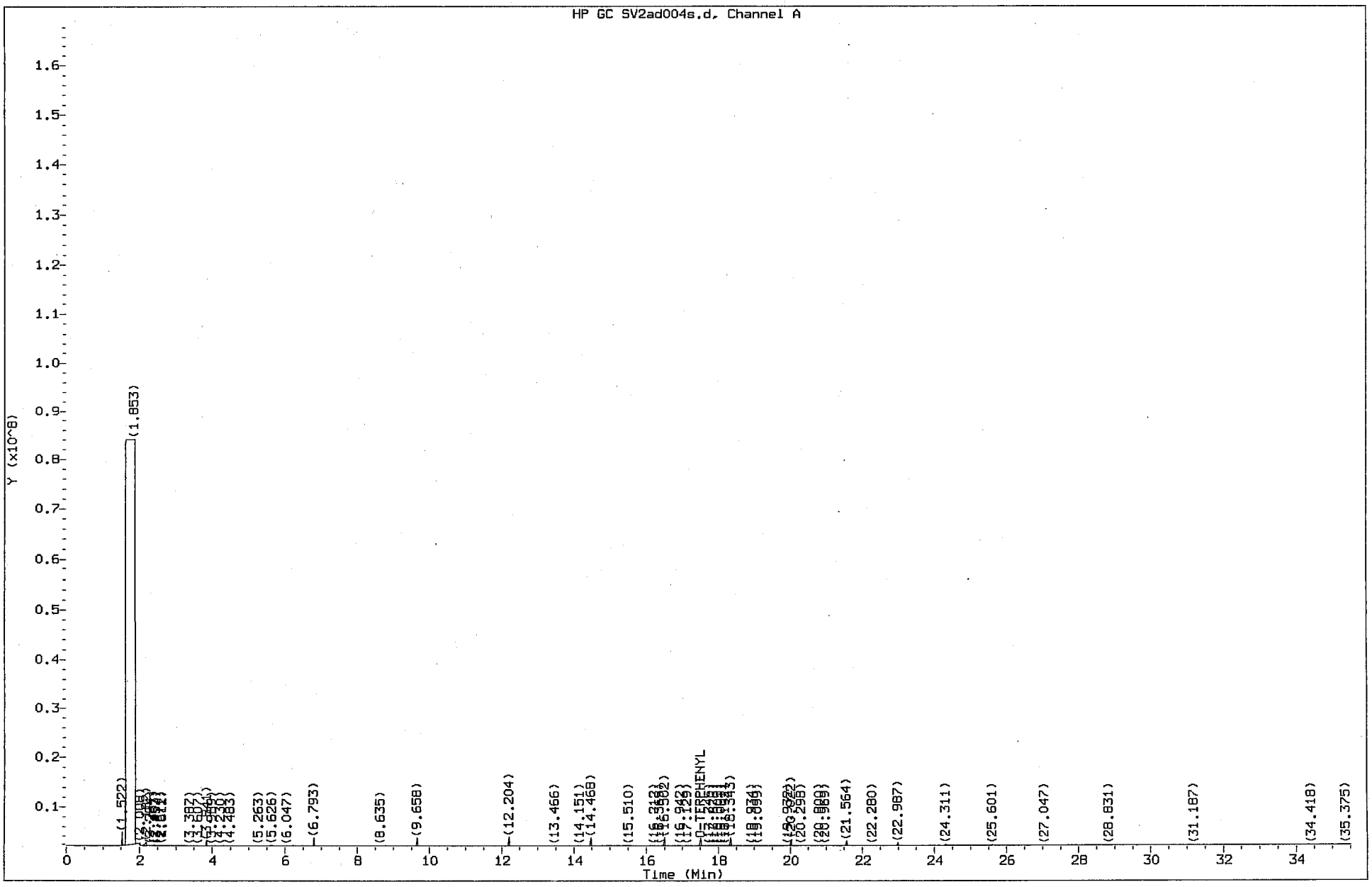
Volume Injected (uL): 1

Column phase: DB-1

Instrument: gcsv2ad.i

Operator: tnt

Column diameter: 0.53



000346

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 06/20/02 10:30

MATRIX: _____ WATER ✓ SOIL _____ OTHER

LEVEL: ✓ LOW _____ MEDIUM

BATCH# 145852

FIPRO

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Initial pH	COMMENTS	METHOD
1	46425	0620 BLK	25	2.0			
2	46426	0620 LCS	25	2.0			_____ LIQUID LIQUID/3520
3	Chzm Hill	20206190201	25	2.0			
4		20206190202	25	2.0			_____ SEPARATIORY FUNNEL/3510
5		20206190203	25	2.0			
6		20206190204	25	2.0			_____ GPC CLEANUP/3640
7		20206190205	25	2.0			
8		20206190206	25	2.0			✓ SONICATOR/3550
9		20206190207	25	2.0			
10		20206200201	25	2.0			_____ FLORISIL CLEANUP/3620
11		20206200202	25	2.0			
12							_____ PCB SULFURIC ACID/3665A
13							CLEAN UP
14							_____ WASTE DILUTION/3580
15							TCLP EXTRACTION FLUID #1
16							
17							
18							TCLP EXTRACTION FLUID #2
19							
20							MECL2/Acetone No:
21							
22							ACETONE LOT NO:
23							
24							MeCL2 Lot No: 013600
25							
26							HEXANE Lot No:
27							
28							Sodium Sulfate Lot No:

SKB 06/21/02

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID 8-126-2 ~~8081~~ FIPRO SPIKE ID 8-126-1 608 SPIKE ID _____ Willie Sanford 6-20-02

VOLUME 1.0 mL VOLUME 200ul VOLUME _____ TECHNICIAN DATE

CONCENTRATION 100 / 200 ug/mL CONCENTRATION 500 ug/mL CONCENTRATION _____

ACID _____ John Bailey 06/21/02

SPIKE WITNESS JJR SUPERVISOR DATE

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv2ad.i
Method File: /var/chem/gcsv2ad.i/2020619.b/flpro.m
Batch: /var/chem/gcsv2ad.i/2020619.b
Column-Detector: DB-1

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
50 PPM CCV	50 PPM CCV	SV2ad001.d	20-JUN-2002 14:57	1.000	tnt	
50 PPM CCV	50 PPM CCV	SV2ad001s.d	20-JUN-2002 14:57	1.000	tnt	
DCM	DCM	SV2ad002.d	20-JUN-2002 18:05	1.000	tnt	
DCM		SV2ad002s.d	20-JUN-2002 18:05	1.000	tnt	
46425	46425	SV2ad003.d	20-JUN-2002 19:00	1.000	tnt	
46425	46425	SV2ad003s.d	20-JUN-2002 19:00	1.000	tnt	
46426	46426	SV2ad004.d	20-JUN-2002 19:55	1.000	tnt	
46426	46426	SV2ad004s.d	20-JUN-2002 19:55	1.000	tnt	
20206200201	BF-S-0619	SV2ad005.d	20-JUN-2002 20:49	1.000	tnt	
20206200201	BF-S-0619	SV2ad005s.d	20-JUN-2002 20:49	1.000	tnt	
20206200202	RB-S-0619	SV2ad006.d	20-JUN-2002 21:44	1.000	tnt	
20206200202	RB-S-0619	SV2ad006s.d	20-JUN-2002 21:44	1.000	tnt	
20206190203MS		SV2ad007.d	20-JUN-2002 22:39	1.000	tnt	
20206190203MS		SV2ad007s.d	20-JUN-2002 22:39	1.000	tnt	
20206190204MSD		SV2ad008.d	20-JUN-2002 23:33	1.000	tnt	
20206190204MSD		SV2ad008s.d	20-JUN-2002 23:33	1.000	tnt	
46403		SV2ad009.d	21-JUN-2002 00:27	1.000	tnt	
46404		SV2ad010.d	21-JUN-2002 01:22	1.000	tnt	
46405		SV2ad011.d	21-JUN-2002 02:16	1.000	tnt	
20206190208		SV2ad012.d	21-JUN-2002 03:11	1.000	tnt	
50 PPM PRO		SV2ad013.d	21-JUN-2002 04:05	1.000	tnt	
50 PPM PRO		SV2ad013s.d	21-JUN-2002 04:05	1.000	tnt	
50 PPM PRO		SV2ad014.d	21-JUN-2002 04:59	1.000	tnt	
blk		SV2ad015.d	21-JUN-2002 10:44	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
meoH	51-49-1	Neat	mallinckrodt	V073	0.25gm	25mL	10,000 ppm	Di H2O	TLS	01/22/02	07/22/02
DEG Standard	51-49-2	0.2ug/mL	Accu Standard	B011043b Nov29,2002	40ul	100 mL	80ppb	Hexane	TLS	02/18/02	08/02/02
1016/1260 III	51-49-3	100ug/mL 100ug/mL 200ug/mL	ultra 1016 " 1260 ultra pest surrogate	S-1672 9/2005 S-0793 7/2005 S-0624 6/2004	400ul 400ul 20ul	100mL	40/400 ppb	Hexane	TLS	02/18/02	08/18/02
methanol ~~ISS~~ INT 2/25/02	51-49-4	Neat	Aldrich	HO D1247HO	0.1gm.	100mL	1,000 ppm	Di H2O	TLS	02/18/02	08/18/02
Internal standard for meoH Cyclohexanol	51-49-5	Neat	Aldrich	DO 10206CO	0.3gm	100mL	3,000ppm	Di H2O	TLS	02/18/02	08/18/02
Dates	1/22/02 - 2/18/02		Reviewed	By QA/QC			on 2/21/02				
TPP	51-49-6 500ug/mL	PPS-110 Triphenyl Phosphate Solution	ultra	M-428B 1/2003	500ul	50mL	5000ppb	Hexane	TLS	2/21/02	8/21/02
PHENOL MIX	51-49-7	EPA-1155 5000ug/ml ATS-180 2000ug/ml 7/07-31-02 PH-150 1000ug/ml	ultra ultra ultra	M-1513 11/02 A-0737 8/03 P-0108 2/03	0.4ml 1.0ml 2.0ml	10ml	200ppm	DCM	TNT	3/7/02	9/7/02
PRO Standard 5 ppm	51-49-8	C-443-09 2000ug/ml T-0130 2000ug/ml P-1550 2000ug/ml	NSI ultra ultra	10/03 02/07 11/03	2.5ul 150ul 25ul	1.0ml	5ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 50ppm	51-49-9	See 51-49-8	—	—	25ul 150ul 25ul	1.0ml	50 ppm 300ppm 50 ppm	DCM	SAB	02/13/02	08/13/02

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
PRO Standard 150ppm	51-50-1	See 51-49-8	—	—	75ul 150ul 25ul	1.0ml	150 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 250 ppm	51-50-2	See 51-49-8	—	—	125ul 150ul 25ul	1.0ml	250 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 350ppm	51-50-3	See 51-49-8	—	—	175ul 150ul 25ul	1.0ml	350 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 500ppm	51-50-4	See 51-49-8	—	—	250 ul 150 ul 25 ul	1.0 ml	500 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
IND A III	51-50-5	5/10ppm CIP 216	ultrA	P-7012 10/2003	600ul	50mL	60/120 ppb	Hexane	TLS	03/14/02	08/14/02
IND B III	51-50-6	5/10ppm	ultrA CIP226B	S-0470 5/2003	3-19-02 TLS ~~400ul~~ 600ul	50mL	60/120 ppb	Hexane	TLS	3/19/02	9/19/02
Chlor V	51-50-7	100ug/mL	ultrA PP-151	P-1507 11-2003	200ul	50mL	400 ppb	Hexane	TLS	3/19/02	9/19/02
TOX V	51-50-8	1000ug/mL	ultrA EPA1161	M-0109 2-2004	250ul	50 mL	5000ppb	Hexane	TLS	3/19/02	9-19-02
			3-20 TLS								
			3-20 TLS								

Dates 3/13/02 – 3/19/02 Reviewed by QA/QC on 3/25/02

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TCX)#	S2 (DCB)#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	46415	124	118							0
02	46416	144	148							0
03	BF-S-0619	101	103							0
04	BF-S-0619MS	147	118							0
05	BF-S-0619MSD	96	79							0
06	RB-S-0619	129	115							0
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (TCX)	= Tetrachloro-m-xylene	(60-150)	
S2 (DCB)	= Decachlorobiphenyl	(60-150)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCS ID: 46426 | ORIGINAL LAB ID: | PREP BATCH: 145852
MATRIX Solid | ANALYTICAL BATCH: 146070

Florida PRO

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
FLPRO-01	Petroleum Hydrocarbons	68000 ug/Kg	65800	97	50 - 150

LCS ID: 46416 | ORIGINAL LAB ID: | PREP BATCH: 145850
MATRIX Solid | ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
319-84-6	alpha-BHC	16.7 ug/Kg	23.2	139 *	37 - 134
319-85-7	beta-BHC	16.7 ug/Kg	17.7	106	17 - 147
319-86-8	delta-BHC	16.7 ug/Kg	17.8	107	19 - 140
1024-57-3	Heptachlor epoxide	16.7 ug/Kg	18.6	112	37 - 142
959-98-8	Endosulfan I	16.7 ug/Kg	21.6	130	45 - 153
72-55-9	4,4'-DDE	16.7 ug/Kg	17	102	30 - 145
33213-65-9	Endosulfan II	16.7 ug/Kg	17.8	107	0 - 202
72-54-8	4,4'-DDD	16.7 ug/Kg	21.6	130	31 - 141
1031-07-8	Endosulfan sulfate	16.7 ug/Kg	21.3	128	26 - 144
72-43-5	Methoxychlor	16.7 ug/Kg	18.5	111	26 - 144
53494-70-5	Endrin ketone	16.7 ug/Kg	22.8	137	26 - 144
7421-93-4	Endrin aldehyde	16.7 ug/Kg	28.4	170	0 - 202
5103-71-9	alpha-Chlordane	16.7 ug/Kg	16.6	100	45 - 119
5103-74-2	gamma-Chlordane	16.7 ug/Kg	18.3	110	45 - 119
58-89-9	gamma-BHC (Lindane)	16.7 ug/Kg	20.1	121	46 - 127
76-44-8	Heptachlor	16.7 ug/Kg	21.3	128	35 - 130
309-00-2	Aldrin	16.7 ug/Kg	18	108	35 - 132
60-57-1	Dieldrin	16.7 ug/Kg	25.4	152 *	31 - 134
72-20-8	Endrin	16.7 ug/Kg	23.5	141 *	42 - 139
50-29-3	4,4'-DDT	16.7 ug/Kg	23	138 *	23 - 134

MS LAB ID: 46417 | ORIGINAL LAB ID: 20206200201 | PREP BATCH: 145850
MATRIX Solid | ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
319-84-6	alpha-BHC	0	16.7 ug/Kg	19.9	119	37 - 134
319-85-7	beta-BHC	0	16.7 ug/Kg	15.9	95	17 - 147
319-86-8	delta-BHC	0	16.7 ug/Kg	15.1	91	19 - 140
1024-57-3	Heptachlor epoxide	0	16.7 ug/Kg	15.8	95	37 - 142
959-98-8	Endosulfan I	0	16.7 ug/Kg	16.7	100	45 - 153
72-55-9	4,4'-DDE	0	16.7 ug/Kg	15.5	93	30 - 145
33213-65-9	Endosulfan II	0	16.7 ug/Kg	15.3	92	0 - 202
72-54-8	4,4'-DDD	0	16.7 ug/Kg	18.6	112	31 - 141

QUALITY CONTROL SUMMARY

1031-07-8	Endosulfan sulfate	0	16.7 ug/Kg	19.5	117	26 - 144
72-43-5	Methoxychlor	0	16.7 ug/Kg	14.2	85	26 - 144
53494-70-5	Endrin ketone	0	16.7 ug/Kg	18.5	111	26 - 144
7421-93-4	Endrin aldehyde	0	16.7 ug/Kg	25.5	153	0 - 202
5103-71-9	alpha-Chlordane	0	16.7 ug/Kg	15.1	91	45 - 119
5103-74-2	gamma-Chlordane	0	16.7 ug/Kg	15	90	45 - 119
58-89-9	gamma-BHC (Lindane)	0	16.7 ug/Kg	17.1	103	46 - 127
76-44-8	Heptachlor	0	16.7 ug/Kg	18.1	109	35 - 130
309-00-2	Aldrin	0	16.7 ug/Kg	14	84	35 - 132
60-57-1	Dieldrin	0	16.7 ug/Kg	20.7	124	31 - 134
72-20-8	Endrin	0	16.7 ug/Kg	21.3	128	42 - 139
50-29-3	4,4'-DDT	0	16.7 ug/Kg	21.5	129	23 - 134

MSD LAB ID: 46418 ORIGINAL LAB ID: 20206200201 PREP BATCH: 145850
MATRIX Solid ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
319-84-6	alpha-BHC	16.7 ug/Kg	12.1	73	37 - 134	48 *	0 - 40
319-85-7	beta-BHC	16.7 ug/Kg	8.96	54	17 - 147	55 *	0 - 40
319-86-8	delta-BHC	16.7 ug/Kg	9.67	58	19 - 140	44 *	0 - 40
1024-57-3	Heptachlor epoxide	16.7 ug/Kg	9.74	58	37 - 142	48 *	0 - 40
959-98-8	Endosulfan I	16.7 ug/Kg	12.3	74	45 - 153	30	0 - 40
72-55-9	4,4'-DDE	16.7 ug/Kg	11.1	67	30 - 145	33	0 - 40
33213-65-9	Endosulfan II	16.7 ug/Kg	10	60	0 - 202	42 *	0 - 40
72-54-8	4,4'-DDD	16.7 ug/Kg	12.2	73	31 - 141	42 *	0 - 40
1031-07-8	Endosulfan sulfate	16.7 ug/Kg	11.2	67	26 - 144	54 *	0 - 40
72-43-5	Methoxychlor	16.7 ug/Kg	9.07	54	26 - 144	45 *	0 - 40
53494-70-5	Endrin ketone	16.7 ug/Kg	11.7	70	26 - 144	45 *	0 - 40
7421-93-4	Endrin aldehyde	16.7 ug/Kg	14.6	88	0 - 202	54 *	0 - 40
5103-71-9	alpha-Chlordane	16.7 ug/Kg	9.46	57	45 - 119	46 *	0 - 40
5103-74-2	gamma-Chlordane	16.7 ug/Kg	9.47	57	45 - 119	45 *	0 - 40
58-89-9	gamma-BHC (Lindane)	16.7 ug/Kg	10.6	64	46 - 127	47 *	0 - 40
76-44-8	Heptachlor	16.7 ug/Kg	11.4	68	35 - 130	46 *	0 - 40
309-00-2	Aldrin	16.7 ug/Kg	9.19	55	35 - 132	42 *	0 - 40
60-57-1	Dieldrin	16.7 ug/Kg	15	90	31 - 134	32	0 - 40
72-20-8	Endrin	16.7 ug/Kg	14.5	87	42 - 139	38	0 - 40
50-29-3	4,4'-DDT	16.7 ug/Kg	12	72	23 - 134	57 *	0 - 40

LCS ID: 46421 ORIGINAL LAB ID: PREP BATCH: 145851
MATRIX Solid ANALYTICAL BATCH: 146073

SW-846 8082

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
12674-11-2	Aroclor-1016	133 ug/Kg	115	86	60 - 127
11096-82-5	Aroclor-1260	133 ug/Kg	125	94	61 - 132

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46415

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: SV8087 Lab Sample ID: 46415

Instrument ID: GCSV8 Date Extracted: 06/21/02

Matrix: (soil/water) SOIL Date Analyzed: 06/21/02

Level:(low/med) LOW Time Analyzed: 1158

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46416	46416	SV8088	06/21/02
02	BF-S-0619	20206200201	SV8089	06/21/02
03	BF-S-0619MS	46417	SV8090	06/21/02
04	BF-S-0619MSD	46418	SV8091	06/21/02
05	RB-S-0619	20206200202	SV8092	06/21/02
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8081A,Pesticides, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 12:58	TNT	146072

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
72-54-8	4,4'-DDD	ND	4.65	1.64	ug/Kg
72-55-9	4,4'-DDE	ND	4.65	0.406	ug/Kg
50-29-3	4,4'-DDT	ND	4.65	0.476	ug/Kg
309-00-2	Aldrin	ND	2.32	1.49	ug/Kg
60-57-1	Dieldrin	ND	4.65	0.894	ug/Kg
959-98-8	Endosulfan I	ND	2.32	0.209	ug/Kg
33213-65-9	Endosulfan II	ND	4.65	0.662	ug/Kg
1031-07-8	Endosulfan sulfate	ND	4.65	0.883	ug/Kg
72-20-8	Endrin	ND	4.65	1.31	ug/Kg
7421-93-4	Endrin aldehyde	ND	4.65	0.488	ug/Kg
53494-70-5	Endrin ketone	ND	4.65	0.418	ug/Kg
76-44-8	Heptachlor	ND	2.32	0.395	ug/Kg
1024-57-3	Heptachlor epoxide	ND	2.32	0.314	ug/Kg
72-43-5	Methoxychlor	ND	23.2	1.59	ug/Kg
8001-35-2	Toxaphene	ND	232	232	ug/Kg
319-84-6	alpha-BHC	ND	2.32	0.453	ug/Kg
5103-71-9	alpha-Chlordane	ND	2.32	0.186	ug/Kg
319-85-7	beta-BHC	ND	4.65	0.581	ug/Kg
319-86-8	delta-BHC	ND	2.32	0.163	ug/Kg
58-89-9	gamma-BHC (Lindane)	ND	2.32	0.314	ug/Kg
5103-74-2	gamma-Chlordane	ND	2.32	0.197	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	16.8 ug/Kg	101	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	17.2 ug/Kg	103	60 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv8.i/2020617.b/SV8089.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8089.d
Lab Smp Id: 20206200201 Client Smp ID: BF-S-0619
Inj Date : 21-JUN-2002 12:58
Operator : tnt Inst ID: gcsv8.i
Smp Info : 20206200201
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

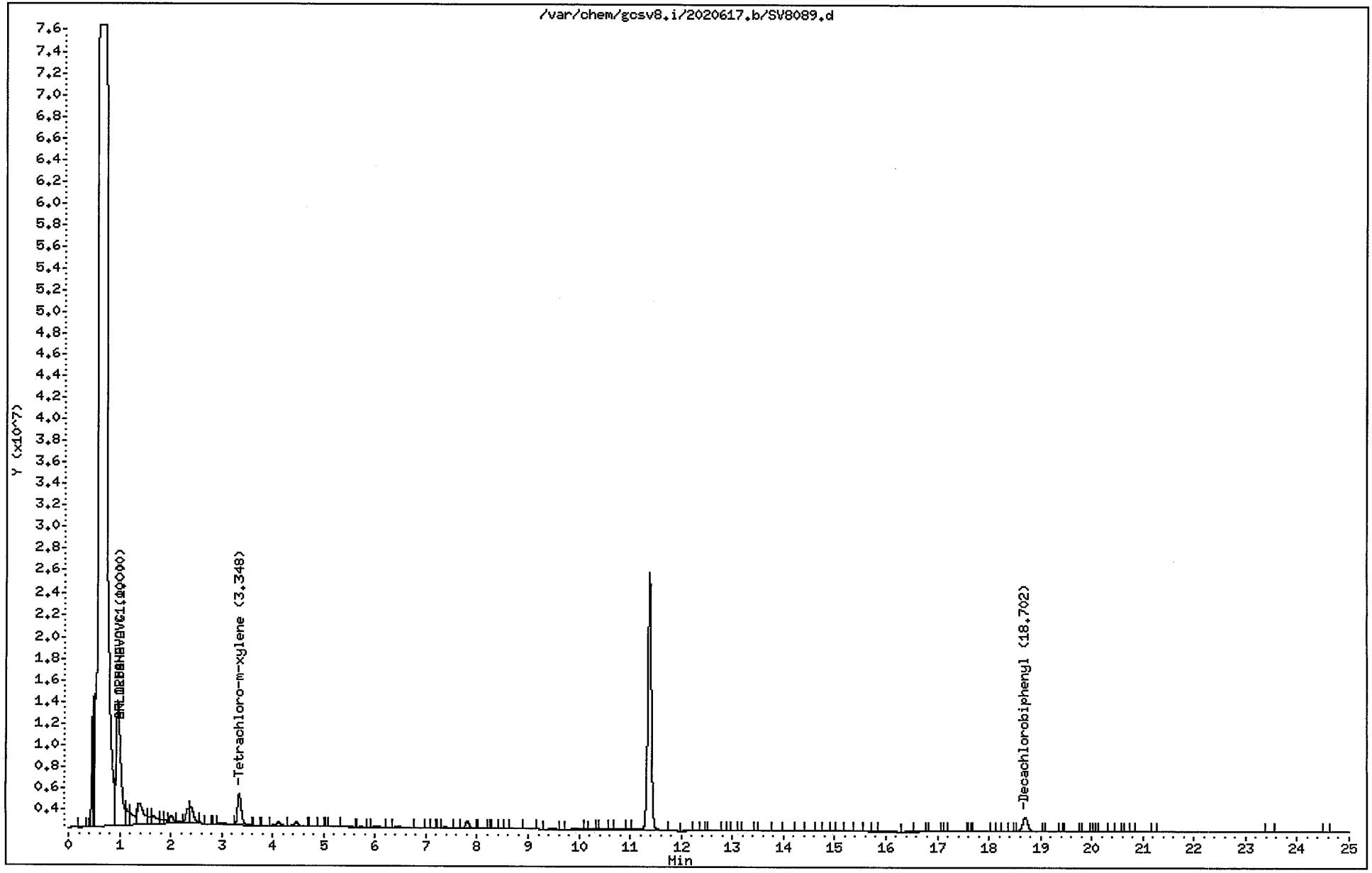
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.348	3.346	0.002	15045339	50.3612	16.7870
$ 22 Decachlorobiphenyl	18.702	18.696	0.006	8781554	51.6050	17.2016

Data File: /var/chem/gcsv8.i/2020617.b/SV8089.d
Date : 21-JUN-2002 12:58
Client ID: BF-S-0619
Sample Info: 20206200201
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000357



GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8081A,Pesticides, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 14:27	TNT	146072

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
72-54-8	4,4'-DDD	ND	4.38	1.55	ug/Kg
72-55-9	4,4'-DDE	ND	4.38	0.384	ug/Kg
50-29-3	4,4'-DDT	ND	4.38	0.449	ug/Kg
309-00-2	Aldrin	ND	2.19	1.40	ug/Kg
60-57-1	Dieldrin	ND	4.38	0.844	ug/Kg
959-98-8	Endosulfan I	ND	2.19	0.197	ug/Kg
33213-65-9	Endosulfan II	ND	4.38	0.625	ug/Kg
1031-07-8	Endosulfan sulfate	ND	4.38	0.833	ug/Kg
72-20-8	Endrin	ND	4.38	1.24	ug/Kg
7421-93-4	Endrin aldehyde	ND	4.38	0.460	ug/Kg
53494-70-5	Endrin ketone	ND	4.38	0.395	ug/Kg
76-44-8	Heptachlor	ND	2.19	0.373	ug/Kg
1024-57-3	Heptachlor epoxide	ND	2.19	0.296	ug/Kg
72-43-5	Methoxychlor	ND	21.9	1.50	ug/Kg
8001-35-2	Toxaphene	ND	219	219	ug/Kg
319-84-6	alpha-BHC	ND	2.19	0.428	ug/Kg
5103-71-9	alpha-Chlordane	ND	2.19	0.175	ug/Kg
319-85-7	beta-BHC	ND	4.38	0.548	ug/Kg
319-86-8	delta-BHC	ND	2.19	0.153	ug/Kg
58-89-9	gamma-BHC (Lindane)	ND	2.19	0.296	ug/Kg
5103-74-2	gamma-Chlordane	ND	2.19	0.186	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	21.5 ug/Kg	129	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	19.2 ug/Kg	115	60 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv8.i/2020617.b/SV8092.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8092.d
Lab Smp Id: 20206200202 Client Smp ID: RB-S-0619
Inj Date : 21-JUN-2002 14:27
Operator : tnt Inst ID: gcsv8.i
Smp Info : 20206200202
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

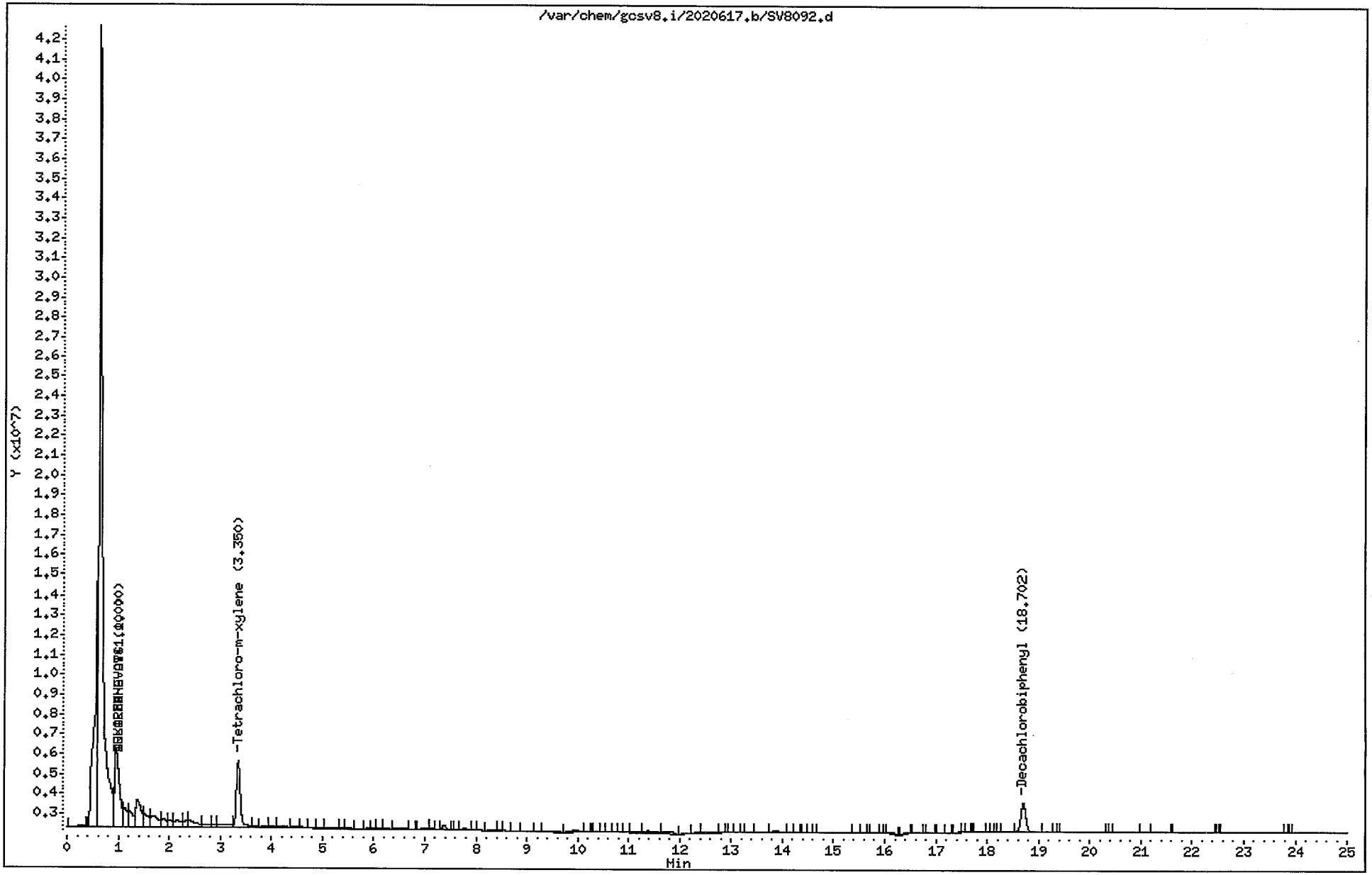
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.350	3.346	0.004	19280812	64.5386	21.5128
$ 22 Decachlorobiphenyl	18.702	18.696	0.006	9804316	57.6153	19.2050

Data File: /var/chem/gcsv8.i/2020617.b/SV8092.d
Date : 21-JUN-2002 14:27
Client ID: RB-S-0619
Sample Info: 20206200202
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

0000360



Report Date : 01-Jul-2002 12:34

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 21:04
End Cal Date : 18-JUN-2002 17:49
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv8.i/2020617.b/pest608.m
Cal Date : 26-Jun-2002 15:12 sab
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv8.i/2020617.b/SV8023.d
Level 2: /var/chem/gcsv8.i/2020617.b/SV8024.d
Level 3: /var/chem/gcsv8.i/2020617.b/SV8025.d
Level 4: /var/chem/gcsv8.i/2020617.b/SV8027.d
Level 5: /var/chem/gcsv8.i/2020617.b/SV8028.d

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
	2 alpha-BHC	348309	376766	411375	401284	398601	387267	6.499
	3 gamma-BHC (Lindane)	342791	361835	385168	383997	375469	369852	4.804
	4 Heptachlor	272545	282691	304119	302456	296174	291597	4.658
	5 Aldrin	345360	432579	366776	390111	342033	375372	9.946
	6 beta-BHC	218195	259011	209318	216685	190773	218796	11.420
	7 delta-BHC	369131	479089	404938	431544	379765	412893	10.699
	8 Heptachlor epoxide	277777	341325	297556	313603	277700	301592	8.893
	9 Endosulfan I	222482	225346	243765	240790	240813	234639	4.226
	10 gamma-Chlordane	284782	354887	317302	330757	293454	316236	8.964
	11 alpha-Chlordane	282907	348928	299564	313706	277994	304620	9.360
	12 4,4'-DDE	245460	306391	272483	283063	250168	271513	9.180
	13 Dieldrin	205677	216225	235889	235281	231569	224928	5.955
	14 Endrin	190628	186434	203765	202641	198443	196382	3.861
	15 4,4'-DDD	178913	173018	189625	189667	184041	183053	3.918
	16 Endosulfan II	214100	242242	208597	235388	210771	222219	6.960
	17 4,4'-DDT	132478	135566	156048	161692	159419	149040	9.326
	18 Endrin aldehyde	114637	138071	114437	137510	118454	124622	9.733
	19 Methoxychlor	69219	67046	73750	72439	72879	71067	3.976
	20 Endosulfan sulfate	170816	201199	194465	205274	181993	190750	7.451
	21 Endrin ketone	175443	202469	192960	206226	184028	192225	6.633
M	23 AR 1016-AVG	64400	59665	59032	52461	43810	55874	14.268
	24 AR 1016-PEAK1	7972	7679	7291	6516	5427	6977	14.678
	25 AR 1016-PEAK2	16564	15573	14631	12848	10505	14024	17.094
	26 AR 1016-PEAK3	29541	27254	26830	23771	19951	25470	14.552
	27 AR 1016-PEAK4	10323	9159	10279	9325	7927	9403	10.446
M	28 AR 1260-AVG	61773	64075	61079	57510	50588	59005	8.917

Report Date : 01-Jul-2002 12:34

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 21:04
End Cal Date : 18-JUN-2002 17:49
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv8.i/2020617.b/pest608.m
Cal Date : 26-Jun-2002 15:12 sab
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	RRF	% RSD
	29 AR 1260-PEAK1	8684	8623	8260	7653	6617	7968	10.784
	30 AR 1260-PEAK2	13511	13655	13120	12294	10646	12645	9.778
	31 AR 1260-PEAK3	14172	14205	13363	12550	10933	13044	10.443
	32 AR 1260-PEAK4	25406	27592	26335	25013	22393	25348	7.603
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	17789	+++++	+++++	17789	0.000
	38 AR 1221-PEAK1	+++++	+++++	4475	+++++	+++++	4475	0.000
	39 AR 1221-PEAK2	+++++	+++++	2813	+++++	+++++	2813	0.000
	40 AR 1221-PEAK3	+++++	+++++	8984	+++++	+++++	8984	0.000
	41 AR 1221-PEAK4	+++++	+++++	1517	+++++	+++++	1517	0.000
M	42 AR 1232-AVG	+++++	+++++	34940	+++++	+++++	34940	0.000
	43 AR 1232-PEAK1	+++++	+++++	8583	+++++	+++++	8583	0.000
	44 AR 1232-PEAK2	+++++	+++++	7701	+++++	+++++	7701	0.000
	45 AR 1232-PEAK3	+++++	+++++	13449	+++++	+++++	13449	0.000
	46 AR 1232-PEAK4	+++++	+++++	5208	+++++	+++++	5208	0.000
M	47 AR 1242-AVG	+++++	+++++	46094	+++++	+++++	46094	0.000
	48 AR 1242-PEAK1	+++++	+++++	5618	+++++	+++++	5618	0.000
	49 AR 1242-PEAK2	+++++	+++++	11363	+++++	+++++	11363	0.000
	50 AR 1242-PEAK3	+++++	+++++	21054	+++++	+++++	21054	0.000
	51 AR 1242-PEAK4	+++++	+++++	8059	+++++	+++++	8059	0.000
M	52 AR 1248-AVG	+++++	+++++	49256	+++++	+++++	49256	0.000
	53 AR 1248-PEAK1	+++++	+++++	6496	+++++	+++++	6496	0.000
	54 AR 1248-PEAK2	+++++	+++++	15210	+++++	+++++	15210	0.000
	55 AR 1248-PEAK3	+++++	+++++	12551	+++++	+++++	12551	0.000
	56 AR 1248-PEAK4	+++++	+++++	14999	+++++	+++++	14999	0.000
M	57 AR 1254-AVG	+++++	+++++	22040	+++++	+++++	22040	0.000
	58 AR 1254-PEAK1	+++++	+++++	4899	+++++	+++++	4899	0.000
	59 AR 1254-PEAK2	+++++	+++++	4433	+++++	+++++	4433	0.000
	60 AR 1254-PEAK3	+++++	+++++	4768	+++++	+++++	4768	0.000
	61 AR 1254-PEAK4	+++++	+++++	7940	+++++	+++++	7940	0.000

Report Date : 01-Jul-2002 12:34

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 21:04
End Cal Date : 18-JUN-2002 17:49
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv8.i/2020617.b/pest608.m
Cal Date : 26-Jun-2002 15:12 sab
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	9237	9237	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	6276	6276	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	2962	2962	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	118993	118993	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	14478	14478	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	19576	19576	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	48577	48577	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	26063	26063	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	10299	10299	0.000
M	74 AR 1268-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	75 AR 1268-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	76 AR 1268-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	77 AR 1268-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	78 AR 1268 PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$	1 Tetrachloro-m-xylene	305329	299428	304286	296341	288360	298749	2.296
$	22 Decachlorobiphenyl	163774	189593	167857	160972	168647	170169	6.638

Report Date : 01-Jul-2002 12:34

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 17-JUN-2002 21:04
End Cal Date	: 18-JUN-2002 17:49
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv8.i/2020617.b/pest608.m
Cal Date	: 26-Jun-2002 15:12 sab
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 8.56134128                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv8.i/2020617.b/SV8003.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8003.d
Lab Smp Id: DEG STD
Inj Date : 17-JUN-2002 20:34
Operator : tnt Inst ID: gcsv8.i
Smp Info : DEG STD
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
12 4,4'-DDE	10.737	10.749	-0.012	47529	0.17505	0.0017
15 4,4'-DDD	12.280	12.277	0.003	604422	3.30190	0.0330
17 4,4'-DDT	13.072	13.071	0.001	12301432	82.5376	0.8253
21 Endrin ketone	15.598	15.596	0.002	560792	2.91737	0.0291
14 Endrin	11.793	11.793	0.000	17721558	90.2401	0.9024

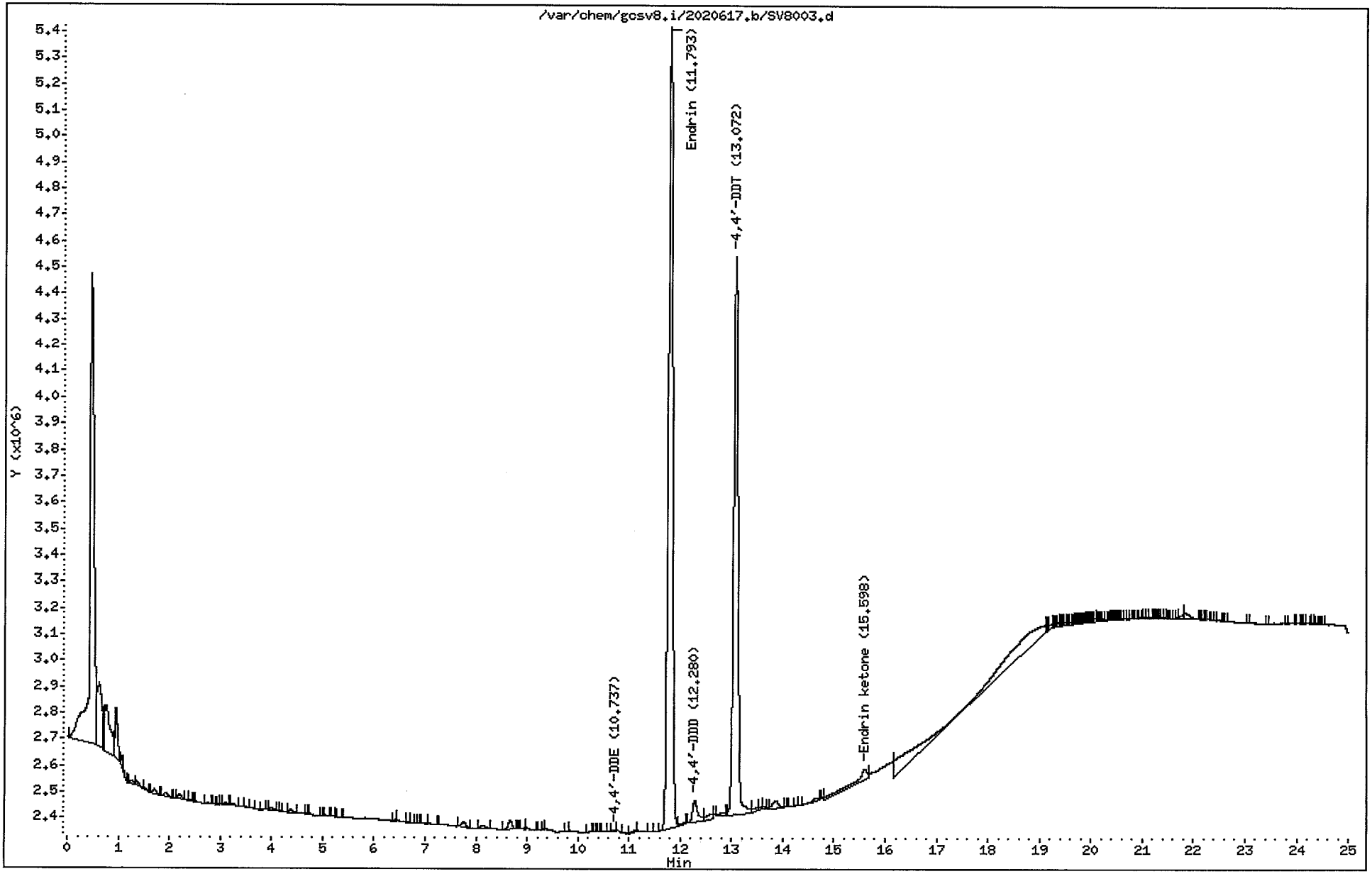
DDT: $\frac{651951}{12953383} \cdot 100 = 5\%$

Endrin $\frac{560792}{18282350} \cdot 100 = 3\%$

Data File: /var/chem/gcsv8.i/2020617.b/SV8003.d
Date : 17-JUN-2002 20:34
Client ID:
Sample Info: DEG STD
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53



000366

Data File: /var/chem/gcsv8.i/2020617.b/SV8004.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8004.d
Lab Smp Id: IND A I
Inj Date : 17-JUN-2002 21:04
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A I
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 15:21 Cal File: SV8023.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.345	3.346	-0.001	1526646	5.00000	5.1101
2 alpha-BHC	4.913	4.914	-0.001	1741544	5.00000	4.4970
3 gamma-BHC (Lindane)	5.883	5.884	-0.001	1713956	5.00000	4.6341
4 Heptachlor	6.682	6.682	0.000	1362725	5.00000	4.6733
9 Endosulfan I	9.975	9.976	-0.001	1112408	5.00000	4.7409
13 Dieldrin	10.813	10.815	-0.002	2056774	10.0000	9.1441
14 Endrin	11.790	11.793	-0.003	1906280	10.0000	9.7069
15 4,4'-DDD	12.275	12.277	-0.002	1789131	10.0000	9.7738
17 4,4'-DDT	13.070	13.071	-0.001	1324775	10.0000	8.8887
19 Methoxychlor	15.515	15.516	-0.001	3460967	50.0000	48.7002
$ 22 Decachlorobiphenyl	18.697	18.696	0.001	1637741	10.0000	9.6242(M)

Data File: /var/chem/gcsv8.i/2020617.b/SV8004.d
Report Date: 26-Jun-2002 09:37

QC Flag Legend

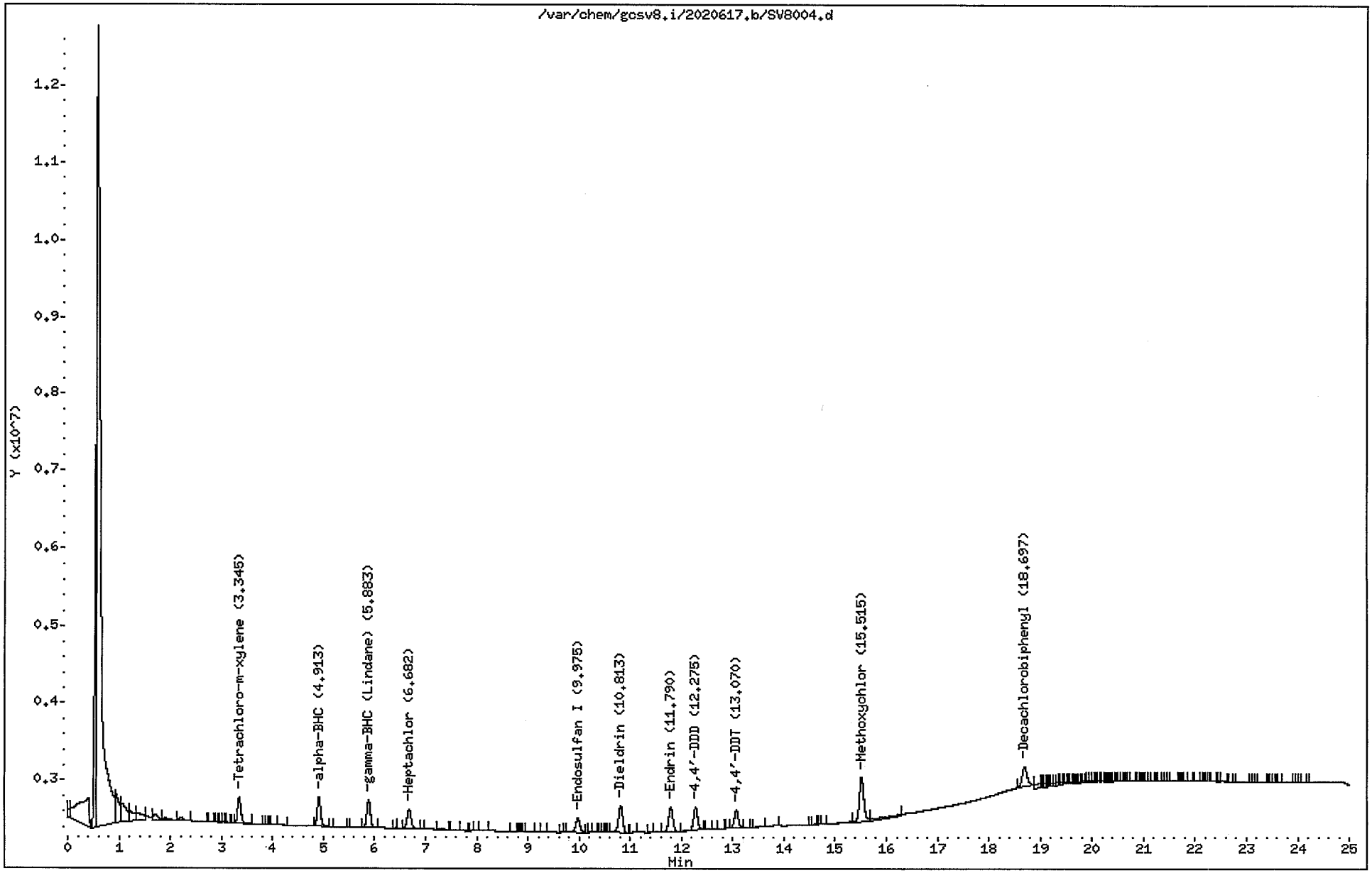
M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8004.d
Date : 17-JUN-2002 21:04
Client ID:
Sample Info: IND A I
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000369



Data File: /var/chem/gcsv8.i/2020617.b/SV8005.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8005.d
Lab Smp Id: IND A II
Inj Date : 17-JUN-2002 21:34
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A II
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 15:50 Cal File: SV8024.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

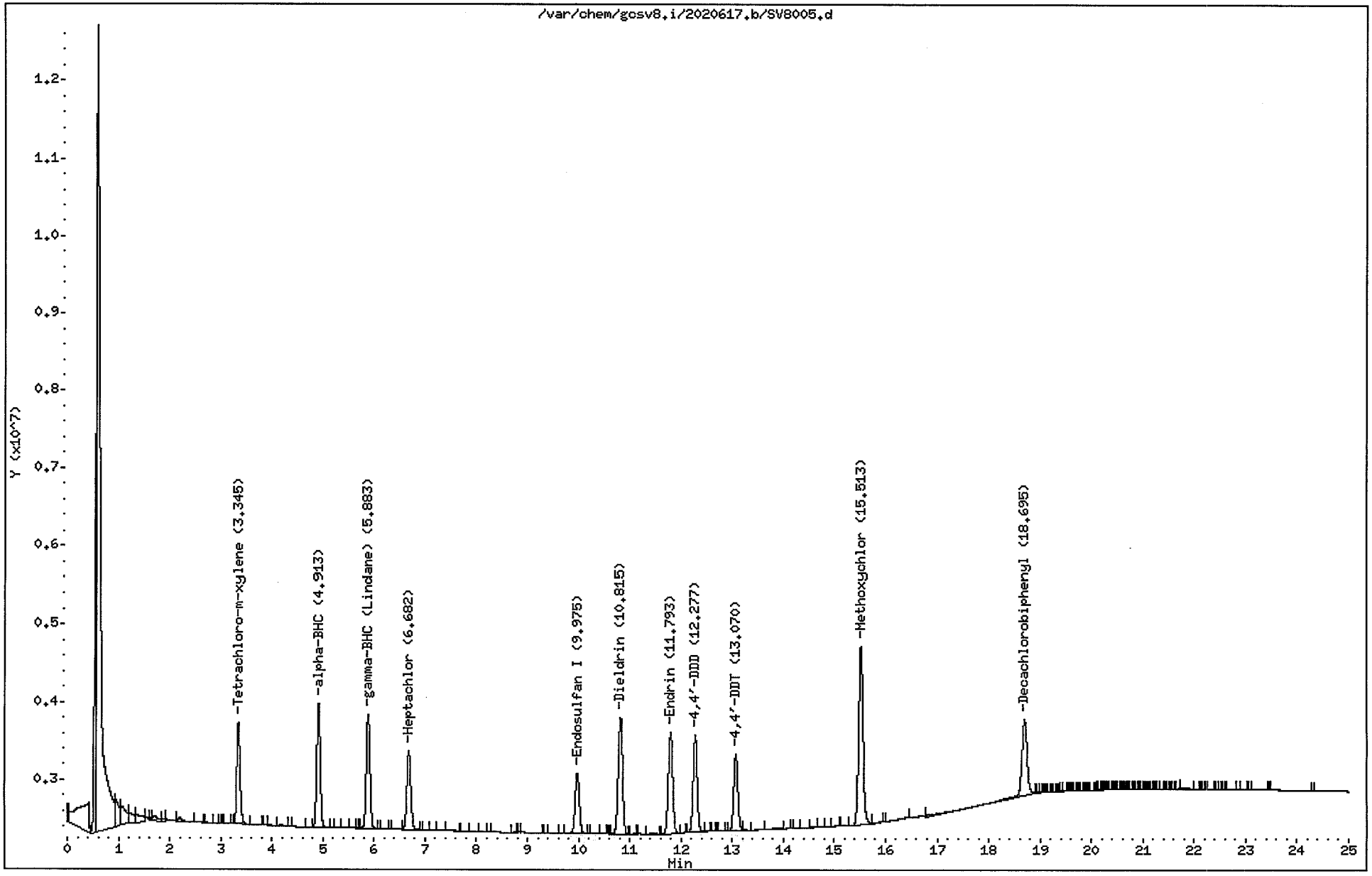
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.345	3.346	-0.001	5988553	20.0000	20.0454
2 alpha-BHC	4.913	4.914	-0.001	7535323	20.0000	19.4576
3 gamma-BHC (Lindane)	5.883	5.884	-0.001	7236699	20.0000	19.5664
4 Heptachlor	6.682	6.682	0.000	5653820	20.0000	19.3891
9 Endosulfan I	9.975	9.976	-0.001	4506928	20.0000	19.2079
13 Dieldrin	10.815	10.815	0.000	8648997	40.0000	38.4522
14 Endrin	11.793	11.793	0.000	7457369	40.0000	37.9737
15 4,4'-DDD	12.277	12.277	0.000	6920700	40.0000	37.8071
17 4,4'-DDT	13.070	13.071	-0.001	5422621	40.0000	36.3835
19 Methoxychlor	15.513	15.516	-0.003	13409292	200.000	188.6859
$ 22 Decachlorobiphenyl	18.695	18.696	-0.001	7583720	40.0000	44.5659

Data File: /var/chem/gosv8.i/2020617.b/SV8005.d
Date : 17-JUN-2002 21:34
Client ID:
Sample Info: IND A II
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gosv8.i

Operator: tnt
Column diameter: 0.53



000371

Data File: /var/chem/gcsv8.i/2020617.b/SV8006.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8006.d
Lab Smp Id: IND A III
Inj Date : 17-JUN-2002 22:03
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A III
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 16:20 Cal File: SV8025.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

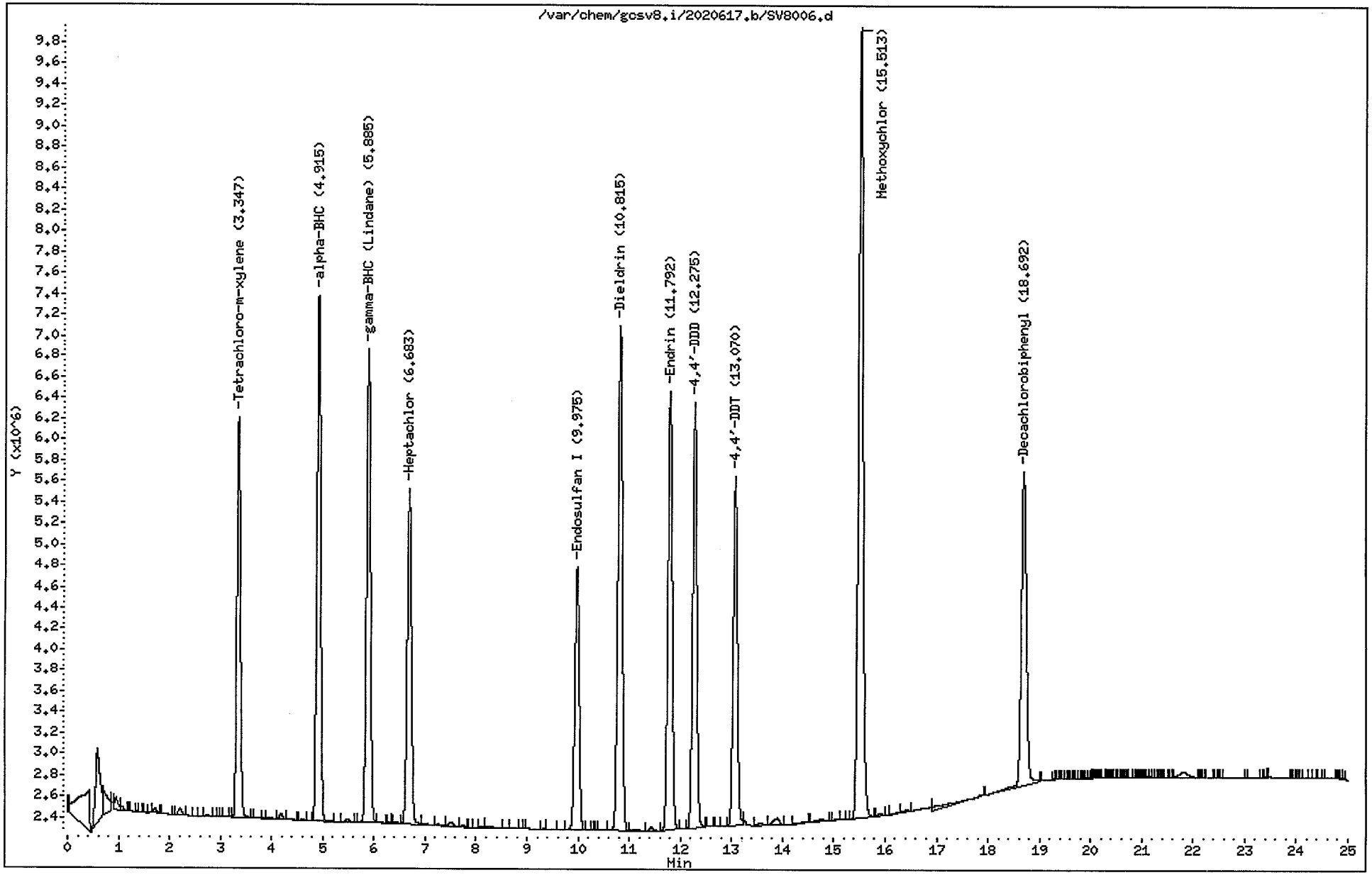
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.347	3.346	0.001	18257141	60.0000	61.1120
2 alpha-BHC	4.915	4.914	0.001	24682491	60.0000	63.7350
3 gamma-BHC (Lindane)	5.885	5.884	0.001	23110102	60.0000	62.4847
4 Heptachlor	6.683	6.682	0.001	18247114	60.0000	62.5764
9 Endosulfan I	9.975	9.976	-0.001	14625883	60.0000	62.3335
13 Dieldrin	10.815	10.815	0.000	28306672	120.000	125.8475
14 Endrin	11.792	11.793	-0.001	24451772	120.000	124.5111
15 4,4'-DDD	12.275	12.277	-0.002	22755039	120.000	124.3087
17 4,4'-DDT	13.070	13.071	-0.001	18725703	120.000	125.6418
19 Methoxychlor	15.513	15.516	-0.003	44249750	600.000	622.6507
$ 22 Decachlorobiphenyl	18.692	18.696	-0.004	20142812	120.000	118.3696

Data File: /var/chem/gcsv8.i/2020617.b/SV8006.d
Date : 17-JUN-2002 22:03
Client ID:
Sample Info: IND A III
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000373



Data File: /var/chem/gcsv8.i/2020617.b/SV8008.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8008.d
Lab Smp Id: IND A IV
Inj Date : 17-JUN-2002 23:02
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A IV
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:19 Cal File: SV8027.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.345	3.346	-0.001	23707278	80.0000	79.3552
2 alpha-BHC	4.913	4.914	-0.001	32102739	80.0000	82.8956(M)
3 gamma-BHC (Lindane)	5.883	5.884	-0.001	30719735	80.0000	83.0595
4 Heptachlor	6.682	6.682	0.000	24196503	80.0000	82.9792
9 Endosulfan I	9.977	9.976	0.001	19263186	80.0000	82.0970(M)
13 Dieldrin	10.815	10.815	0.000	37644977	160.000	167.3643
14 Endrin	11.792	11.793	-0.001	32422596	160.000	165.0994
15 4,4'-DDD	12.275	12.277	-0.002	30346643	160.000	165.7809
17 4,4'-DDT	13.070	13.071	-0.001	25870766	160.000	173.5823
19 Methoxychlor	15.513	15.516	-0.003	57951305	800.000	815.4492
$ 22 Decachlorobiphenyl	18.692	18.696	-0.004	25755533	160.000	151.3529

Data File: /var/chem/gcsv8.i/2020617.b/SV8008.d
Report Date: 26-Jun-2002 09:37

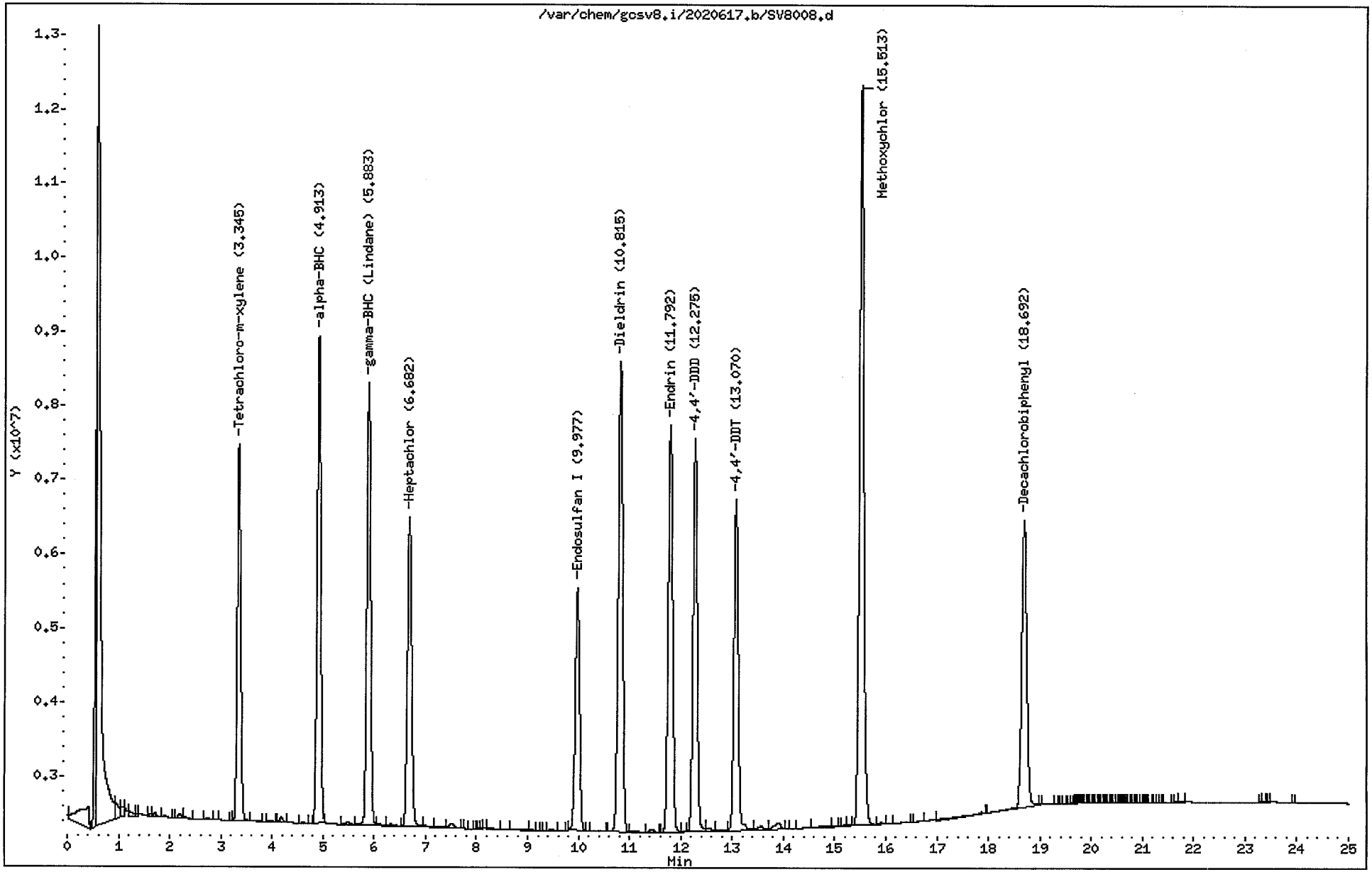
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8008.d
Date : 17-JUN-2002 23:02
Client ID:
Sample Info: IND A IV
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53



0003376

Data File: /var/chem/gcsv8.i/2020617.b/SV8009.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8009.d
Lab Smp Id: IND A V
Inj Date : 17-JUN-2002 23:32
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A V
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.345	3.346	-0.001	28836028	100.000	96.5226
2 alpha-BHC	4.915	4.914	0.001	39860091	100.000	102.9266(A)
3 gamma-BHC (Lindane)	5.885	5.884	0.001	37546862	100.000	101.5186(A)
4 Heptachlor	6.683	6.682	0.001	29617431	100.000	101.5697(A)
9 Endosulfan I	9.977	9.976	0.001	24081307	100.000	102.6312(A)
13 Dieldrin	10.815	10.815	0.000	46313821	200.000	205.9048(A)
14 Endrin	11.792	11.793	-0.001	39688563	200.000	202.0985(A)
15 4,4'-DDD	12.275	12.277	-0.002	36808136	200.000	201.0795(A)
17 4,4'-DDT	13.070	13.071	-0.001	31883751	200.000	213.9270(A)
19 Methoxychlor	15.515	15.516	-0.001	72879116	1000.00	1025.5026(A)
$ 22 Decachlorobiphenyl	18.693	18.696	-0.003	33729469	200.000	198.2119

Data File: /var/chem/gcsv8.i/2020617.b/SV8009.d
Report Date: 26-Jun-2002 09:37

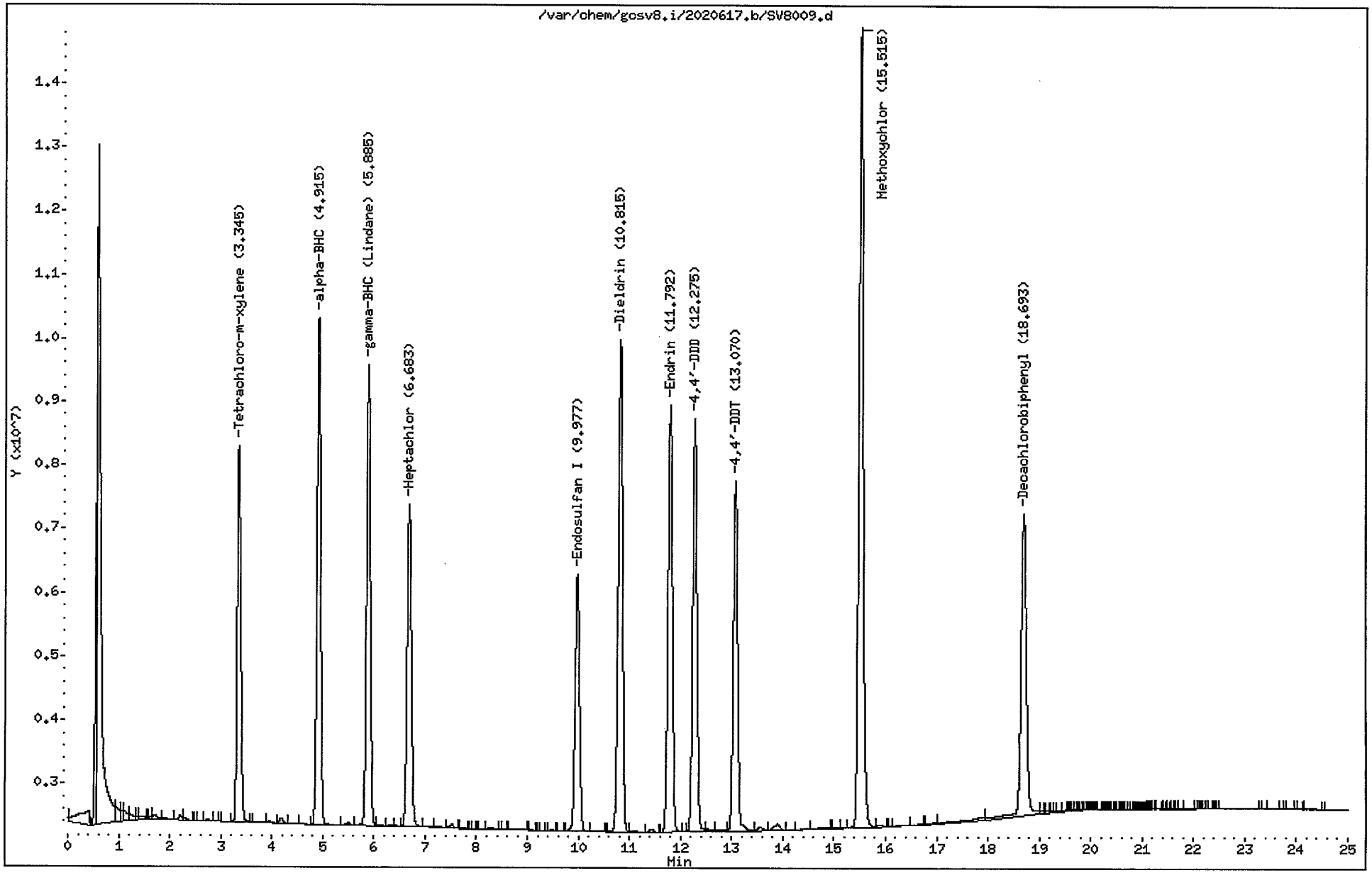
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcsv8.i/2020617.b/SV8009.d
Date : 17-JUN-2002 23:32
Client ID:
Sample Info: IND A V
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53



000379

Data File: /var/chem/gcsv8.i/2020617.b/SV8010.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8010.d
Lab Smp Id: IND B I
Inj Date : 18-JUN-2002 00:02
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND B I
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 15:21 Cal File: SV8023.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

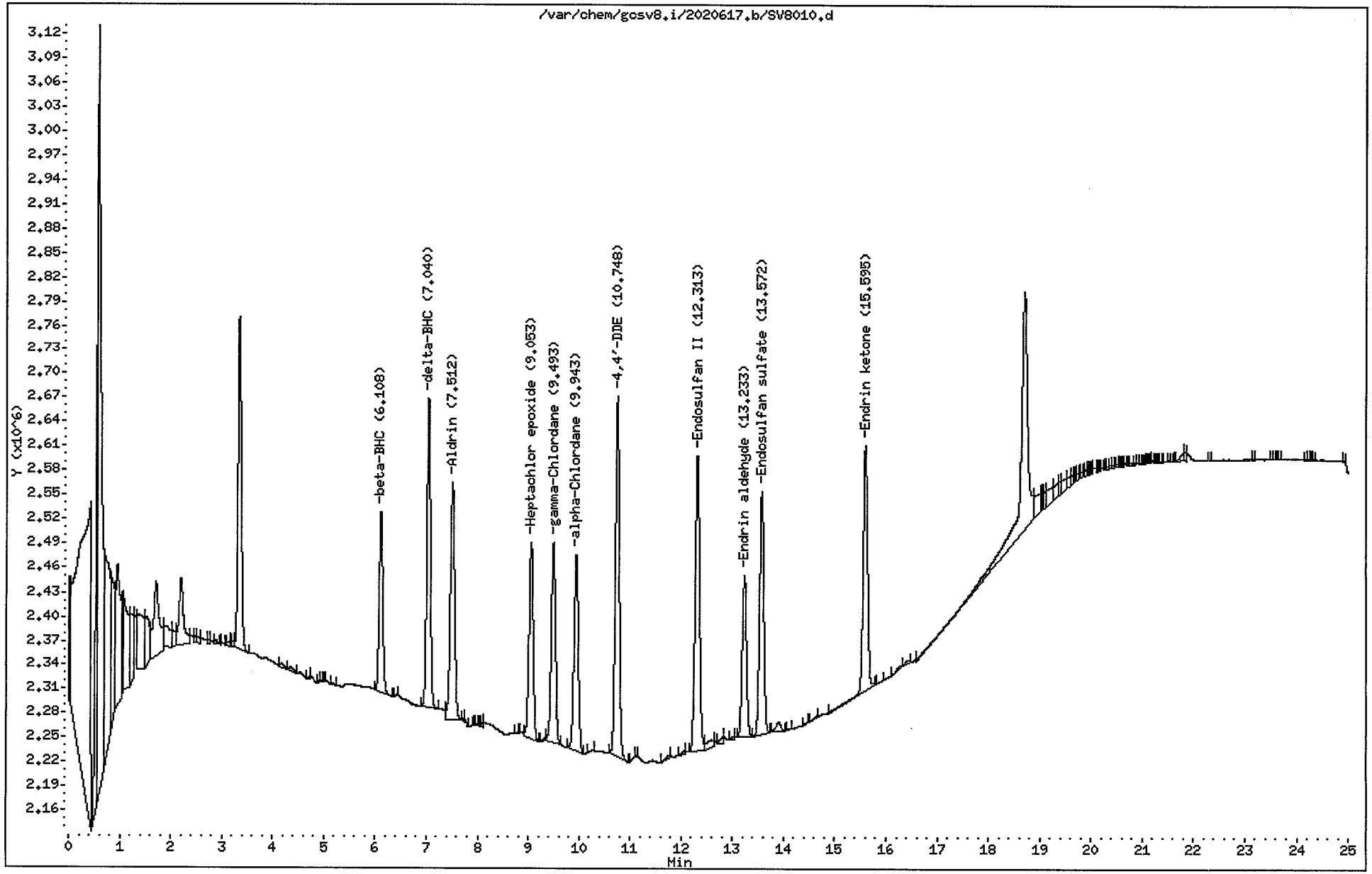
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.512	7.511	0.001	1726799	5.00000	4.6002
6 beta-BHC	6.108	6.108	0.000	1090974	5.00000	4.9862
7 delta-BHC	7.040	7.039	0.001	1845655	5.00000	4.4700
8 Heptachlor epoxide	9.053	9.053	0.000	1388887	5.00000	4.6051
10 gamma-Chlordane	9.493	9.494	-0.001	1423912	5.00000	4.5026
11 alpha-Chlordane	9.943	9.944	-0.001	1414536	5.00000	4.6436
12 4,4'-DDE	10.748	10.749	-0.001	2454595	10.0000	9.0404
16 Endosulfan II	12.313	12.312	0.001	2140996	10.0000	9.6346
18 Endrin aldehyde	13.233	13.232	0.001	1146374	10.0000	9.1988
20 Endosulfan sulfate	13.572	13.572	0.000	1708164	10.0000	8.9550
21 Endrin ketone	15.595	15.596	-0.001	1754428	10.0000	9.1269

Data File: /var/chem/gcsv8.i/2020617.b/SV8010.d
Date : 18-JUN-2002 00:02
Client ID:
Sample Info: IND B I
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000381



Data File: /var/chem/gcsv8.i/2020617.b/SV8011.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8011.d
Lab Smp Id: IND B II
Inj Date : 18-JUN-2002 09:26
Operator : tls Inst ID: gcsv8.i
Smp Info : IND B II
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 15:50 Cal File: SV8024.d
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

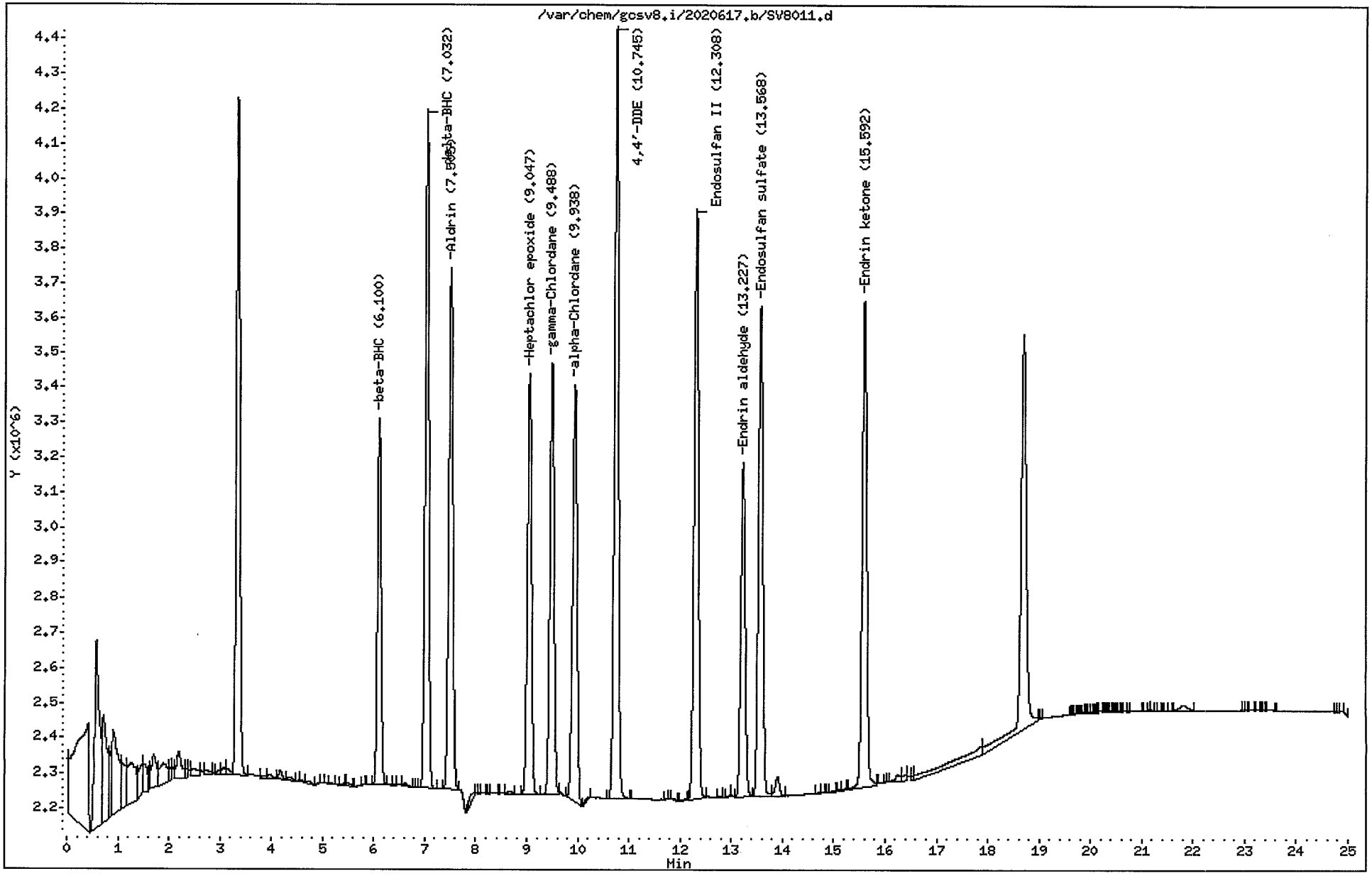
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.505	7.511	-0.006	8651578	20.0000	23.0480
6 beta-BHC	6.100	6.108	-0.008	5180222	20.0000	23.6759
7 delta-BHC	7.032	7.039	-0.007	9581774	20.0000	23.2064
8 Heptachlor epoxide	9.047	9.053	-0.006	6826507	20.0000	22.6348
10 gamma-Chlordane	9.488	9.494	-0.006	7097745	20.0000	22.4444
11 alpha-Chlordane	9.938	9.944	-0.006	6978556	20.0000	22.9090
12 4,4'-DDE	10.745	10.749	-0.004	12255644	40.0000	45.1383
16 Endosulfan II	12.308	12.312	-0.004	9689665	40.0000	43.6040
18 Endrin aldehyde	13.227	13.232	-0.005	5522850	40.0000	44.3168
20 Endosulfan sulfate	13.568	13.572	-0.004	8047942	40.0000	42.1911
21 Endrin ketone	15.592	15.596	-0.004	8098772	40.0000	42.1316

Data File: /var/chem/gcsv8.i/2020617.b/SV8011.d
Date : 18-JUN-2002 09:26
Client ID:
Sample Info: IND B II
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

0000383



Data File: /var/chem/gcsv8.i/2020617.b/SV8012.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8012.d
Lab Smp Id: IND B III
Inj Date : 18-JUN-2002 09:55
Operator : tls Inst ID: gcsv8.i
Smp Info : IND B III
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 16:20 Cal File: SV8025.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

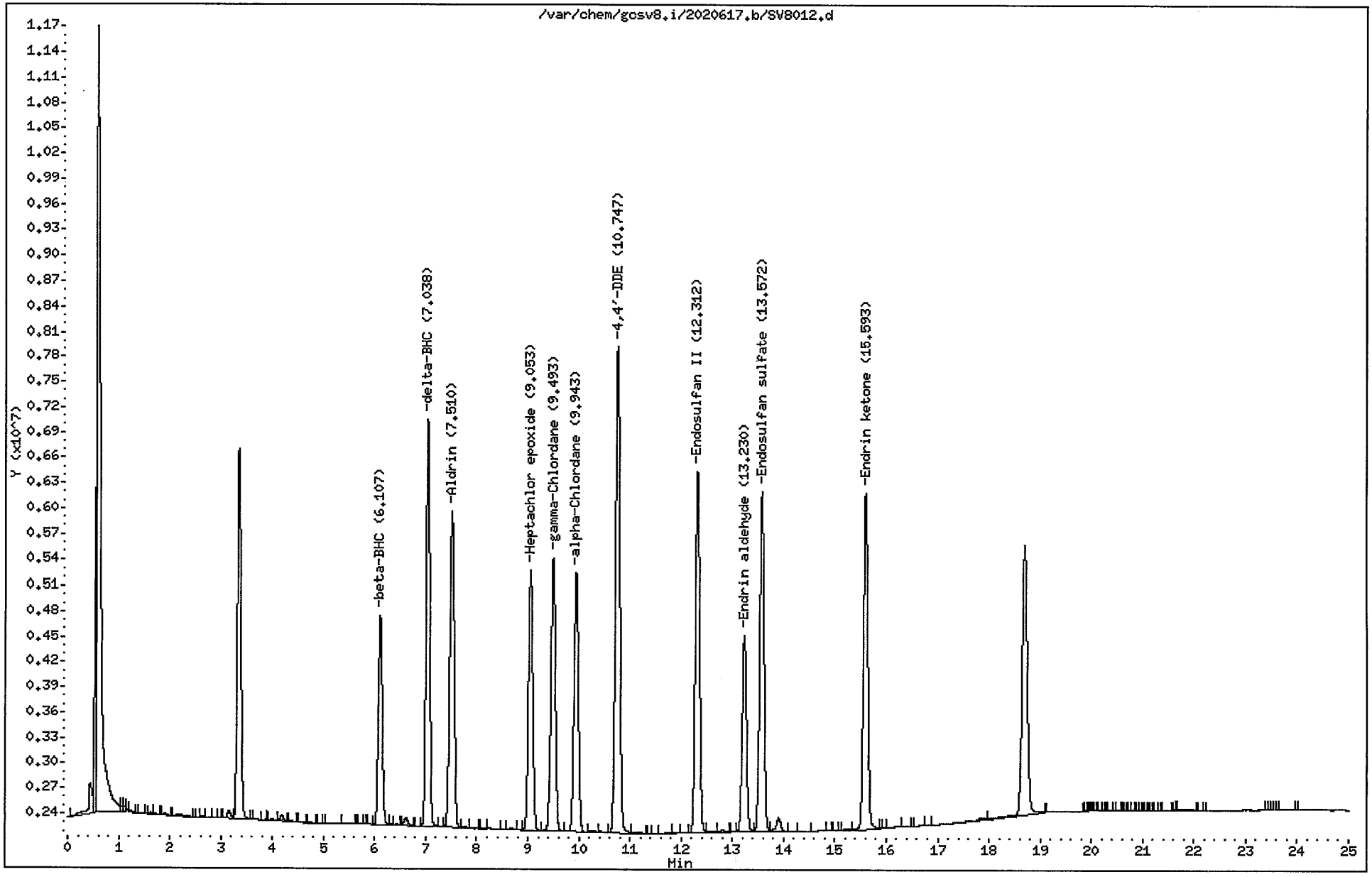
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.510	7.511	-0.001	22006580	60.0000	58.6260
6 beta-BHC	6.107	6.108	-0.001	12559082	60.0000	57.4007
7 delta-BHC	7.038	7.039	-0.001	24296284	60.0000	58.8439
8 Heptachlor epoxide	9.053	9.053	0.000	17853362	60.0000	59.1970
10 gamma-Chlordane	9.493	9.494	-0.001	19038114	60.0000	60.2021
11 alpha-Chlordane	9.943	9.944	-0.001	17973821	60.0000	59.0041
12 4,4'-DDE	10.747	10.749	-0.002	32697976	120.000	120.4288
16 Endosulfan II	12.312	12.312	0.000	25031630	120.000	112.6437
18 Endrin aldehyde	13.230	13.232	-0.002	13732439	120.000	110.1927
20 Endosulfan sulfate	13.572	13.572	0.000	23335825	120.000	122.3375
21 Endrin ketone	15.593	15.596	-0.003	23155259	120.000	120.4589

Data File: /var/chem/gcsv8.i/2020617.b/SV8012.d
Date : 18-JUN-2002 09:55
Client ID:
Sample Info: IND B III
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

000385



Data File: /var/chem/gcsv8.i/2020617.b/SV8014.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8014.d
Lab Smp Id: IND B IV
Inj Date : 18-JUN-2002 10:54
Operator : tls Inst ID: gcsv8.i
Smp Info : IND B IV
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:19 Cal File: SV8027.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

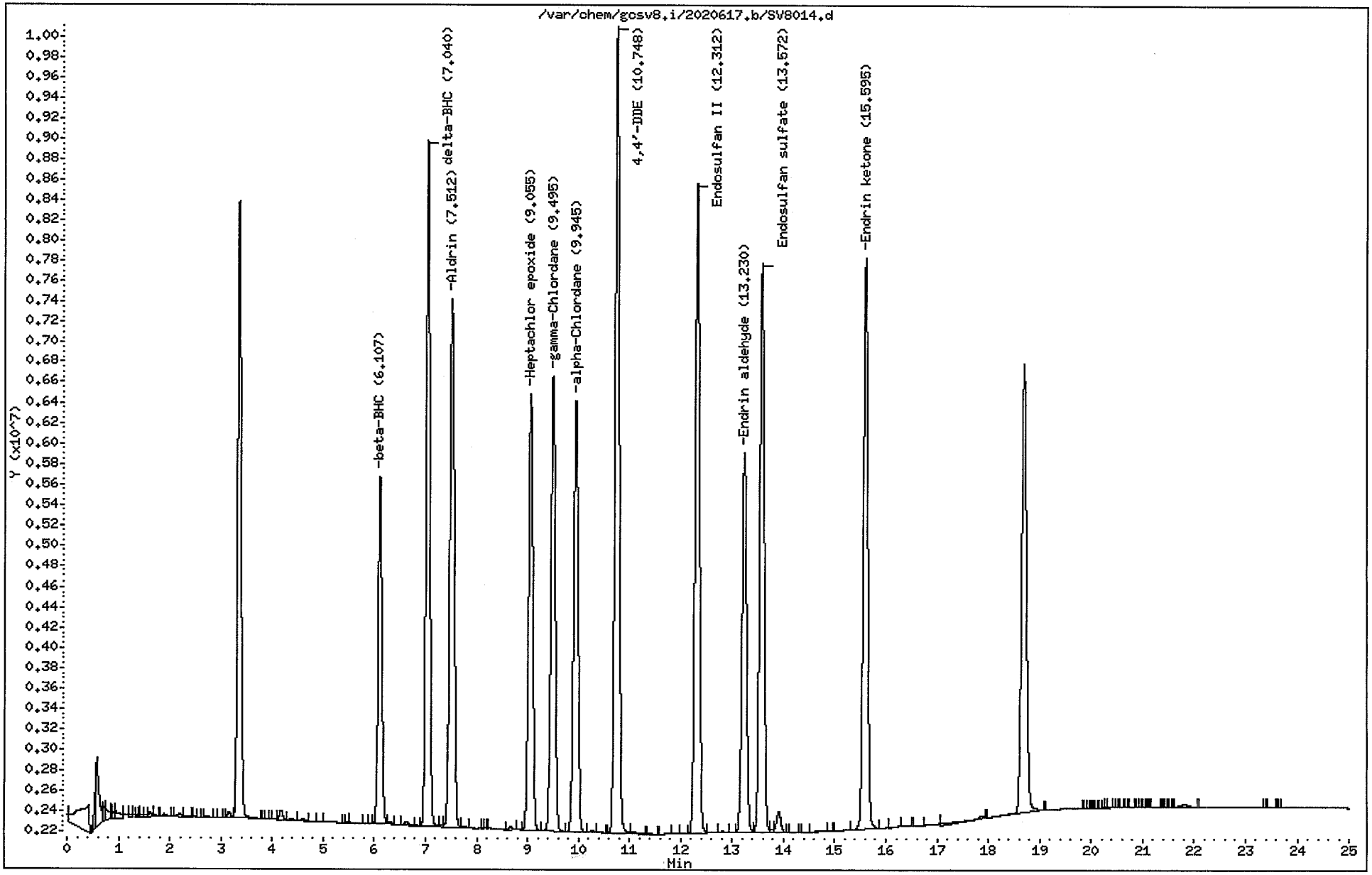
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.512	7.511	0.001	31208918	80.0000	83.1413
6 beta-BHC	6.107	6.108	-0.001	17334830	80.0000	79.2281
7 delta-BHC	7.040	7.039	0.001	34523510	80.0000	83.6136
8 Heptachlor epoxide	9.055	9.053	0.002	25088252	80.0000	83.1859
10 gamma-Chlordane	9.495	9.494	0.001	26460563	80.0000	83.6733
11 alpha-Chlordane	9.945	9.944	0.001	25096504	80.0000	82.3863
12 4,4'-DDE	10.748	10.749	-0.001	45290073	160.000	166.8063
16 Endosulfan II	12.312	12.312	0.000	37662045	160.000	169.4814
18 Endrin aldehyde	13.230	13.232	-0.002	22001644	160.000	176.5470
20 Endosulfan sulfate	13.572	13.572	0.000	32843837	160.000	172.1830
21 Endrin ketone	15.595	15.596	-0.001	32996207	160.000	171.6538

Data File: /var/chem/gcsv8.i/2020617.b/SV8014.d
Date : 18-JUN-2002 10:54
Client ID:
Sample Info: IND B IV
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

0003187



Data File: /var/chem/gcsv8.i/2020617.b/SV8015.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8015.d
Lab Smp Id: IND B V
Inj Date : 18-JUN-2002 11:24
Operator : tls Inst ID: gcsv8.i
Smp Info : IND B V
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 15 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

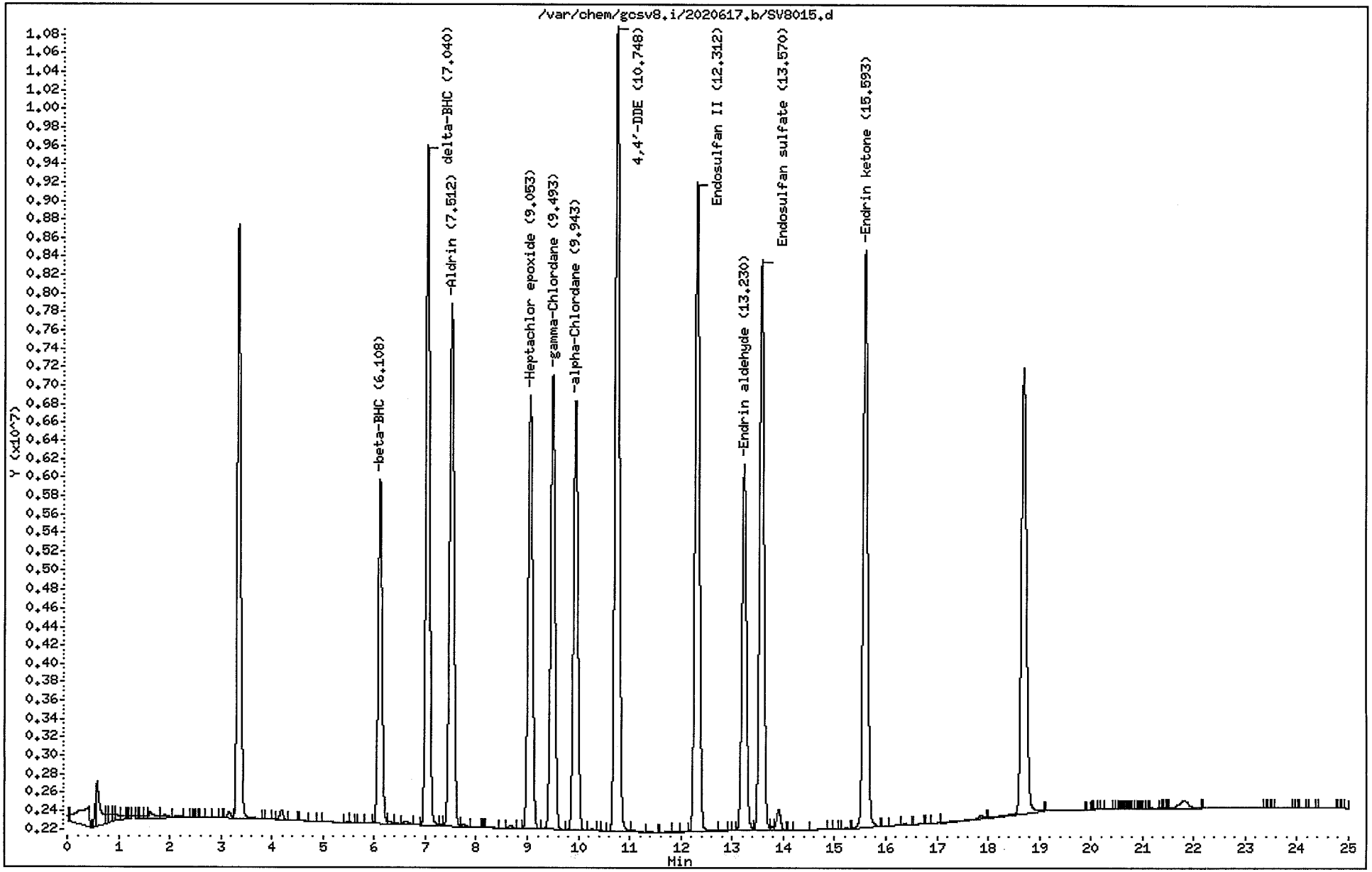
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.512	7.511	0.001	34203265	100.000	91.1183
6 beta-BHC	6.108	6.108	0.000	19077290	100.000	87.1919
7 delta-BHC	7.040	7.039	0.001	37976458	100.000	91.9764
8 Heptachlor epoxide	9.053	9.053	0.000	27769973	100.000	92.0778
10 gamma-Chlordane	9.493	9.494	-0.001	29345362	100.000	92.7956
11 alpha-Chlordane	9.943	9.944	-0.001	27799428	100.000	91.2594
12 4,4'-DDE	10.748	10.749	-0.001	50033576	200.000	184.2769
16 Endosulfan II	12.312	12.312	0.000	42154155	200.000	189.6961
18 Endrin aldehyde	13.230	13.232	-0.002	23690834	200.000	190.1015
20 Endosulfan sulfate	13.570	13.572	-0.002	36398681	200.000	190.8192
21 Endrin ketone	15.593	15.596	-0.003	36805536	200.000	191.4708

Data File: /var/chem/gcsv8.i/2020617.b/SV8015.d
Date : 18-JUN-2002 11:24
Client ID:
Sample Info: IND B V
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

000389



Data File: /var/chem/gcsv8.i/2020617.b/SV8016.d
Report Date: 26-Jun-2002 09:38

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8016.d
Lab Smp Id: CHLORDANE V
Inj Date : 18-JUN-2002 11:54
Operator : tls Inst ID: gcsv8.i
Smp Info : CHLORDANE V
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CHLOR.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

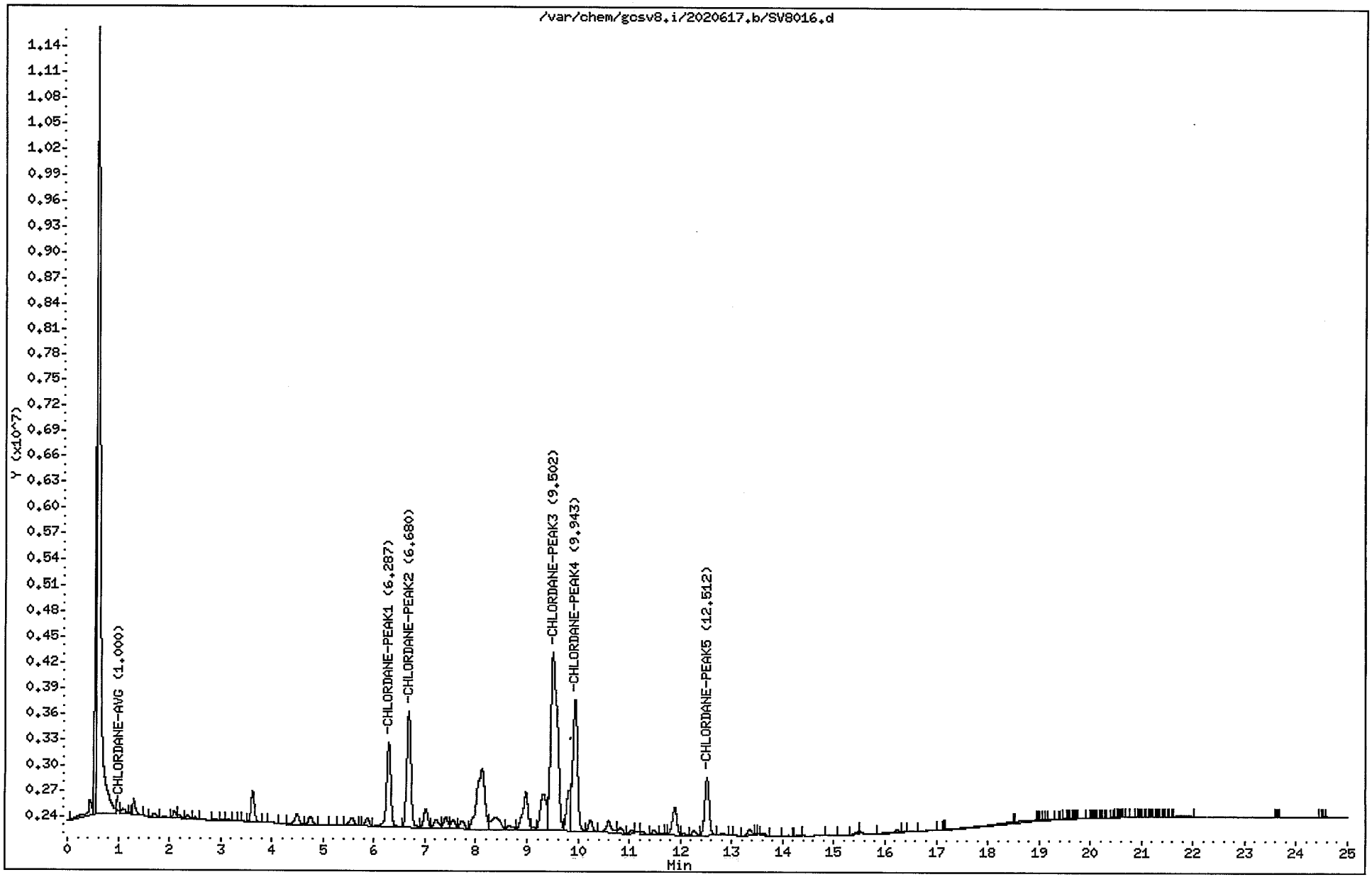
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 68 CHLORDANE-AVG				47597096	400.000	400.0000
69 CHLORDANE-PEAK1	6.287	6.287	0.000	5791167	400.000	400.0000
70 CHLORDANE-PEAK2	6.680	6.680	0.000	7830376	400.000	400.0000
71 CHLORDANE-PEAK3	9.502	9.502	0.000	19430727	400.000	400.0000
72 CHLORDANE-PEAK4	9.943	9.943	0.000	10425329	400.000	400.0000
73 CHLORDANE-PEAK5	12.512	12.512	0.000	4119497	400.000	400.0000

Data File: /var/chem/gcsv8.i/2020617.b/SV8016.d
Date : 18-JUN-2002 11:54
Client ID:
Sample Info: CHLORDANE V
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

000391



Data File: /var/chem/gcsv8.i/2020617.b/SV8017.d
Report Date: 26-Jun-2002 09:38

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8017.d
Lab Smp Id: TOXAPHENE V
Inj Date : 18-JUN-2002 12:23
Operator : tls Inst ID: gcsv8.i
Smp Info : TOXAPHENE V
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: TOX.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

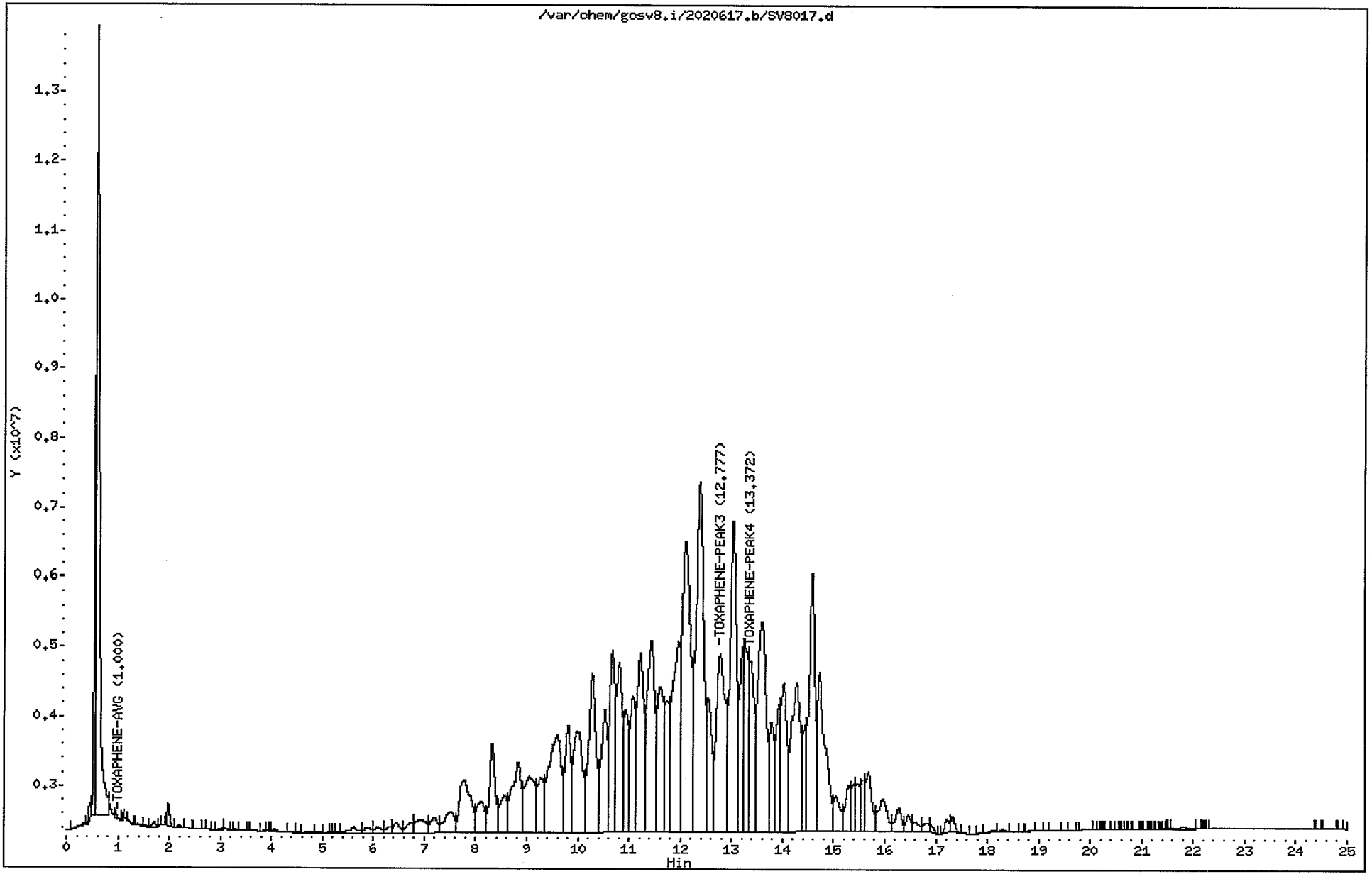
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 62 TOXAPHENE-AVG				46185697	5000.00	5000.0000
65 TOXAPHENE-PEAK3	12.777	12.778	-0.001	31378161	5000.00	5000.0000
66 TOXAPHENE-PEAK4	13.372	13.371	0.001	14807536	5000.00	5000.0000

Data File: /var/chem/gcsv8.i/2020617.b/SV8017.d
Date : 18-JUN-2002 12:23
Client ID:
Sample Info: TOXAPHENE V
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53

000393



Data File: /var/chem/gcsv8.i/2020617.b/SV8007.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv8.i Injection Date: 17-JUN-2002 22:33
Lab File ID: SV8007.d Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Analysis Type: WATER Init. Cal. Times: 21:04 17:49
Lab Sample ID: IND A III ICV Quant Type: ESTD
Method: /var/chem/gcsv8.i/2020617.b/pest608.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	298749	327369	0.010	-9.58003	15.00000	Averaged
2 alpha-BHC	387267	438373	0.010	-13.19660	15.00000	Averaged
3 gamma-BHC (Lindane)	369852	411307	0.010	-11.20848	15.00000	Averaged
4 Heptachlor	291597	325454	0.010	-11.61101	15.00000	Averaged
9 Endosulfan I	234639	259549	0.010	-10.61643	15.00000	Averaged
13 Dieldrin	224928	251690	0.010	-11.89788	15.00000	Averaged
14 Endrin	196382	216746	0.010	-10.36944	15.00000	Averaged
15 4,4'-DDD	183053	202084	0.010	-10.39656	15.00000	Averaged
17 4,4'-DDT	149040	167936	0.010	-12.67856	15.00000	Averaged
19 Methoxychlor	71067	78752	0.010	-10.81399	15.00000	Averaged
$ 22 Decachlorobiphenyl	170169	181560	0.010	-6.69431	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 17.92978
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Data File: /var/chem/gcsv8.i/2020617.b/SV8007.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8007.d
Lab Smp Id: IND A III ICV
Inj Date : 17-JUN-2002 22:33
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A III ICV
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 16:20 Cal File: SV8025.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.347	3.346	0.001	19642138	60.0000	65.7480
2 alpha-BHC	4.915	4.914	0.001	26302385	60.0000	67.9179
3 gamma-BHC (Lindane)	5.885	5.884	0.001	24678404	60.0000	66.7250(M)
4 Heptachlor	6.685	6.682	0.003	19527264	60.0000	66.9666
9 Endosulfan I	9.977	9.976	0.001	15572965	60.0000	66.3698(M)
13 Dieldrin	10.817	10.815	0.002	30202798	120.000	134.2774
14 Endrin	11.793	11.793	0.000	26009512	120.000	132.4433
15 4,4'-DDD	12.275	12.277	-0.002	24250056	120.000	132.4758
17 4,4'-DDT	13.070	13.071	-0.001	20152379	120.000	135.2142
19 Methoxychlor	15.513	15.516	-0.003	47251124	600.000	664.8839
$ 22 Decachlorobiphenyl	18.692	18.696	-0.004	21787234	120.000	128.0331

Data File: /var/chem/gcsv8.i/2020617.b/SV8007.d
Report Date: 26-Jun-2002 09:37

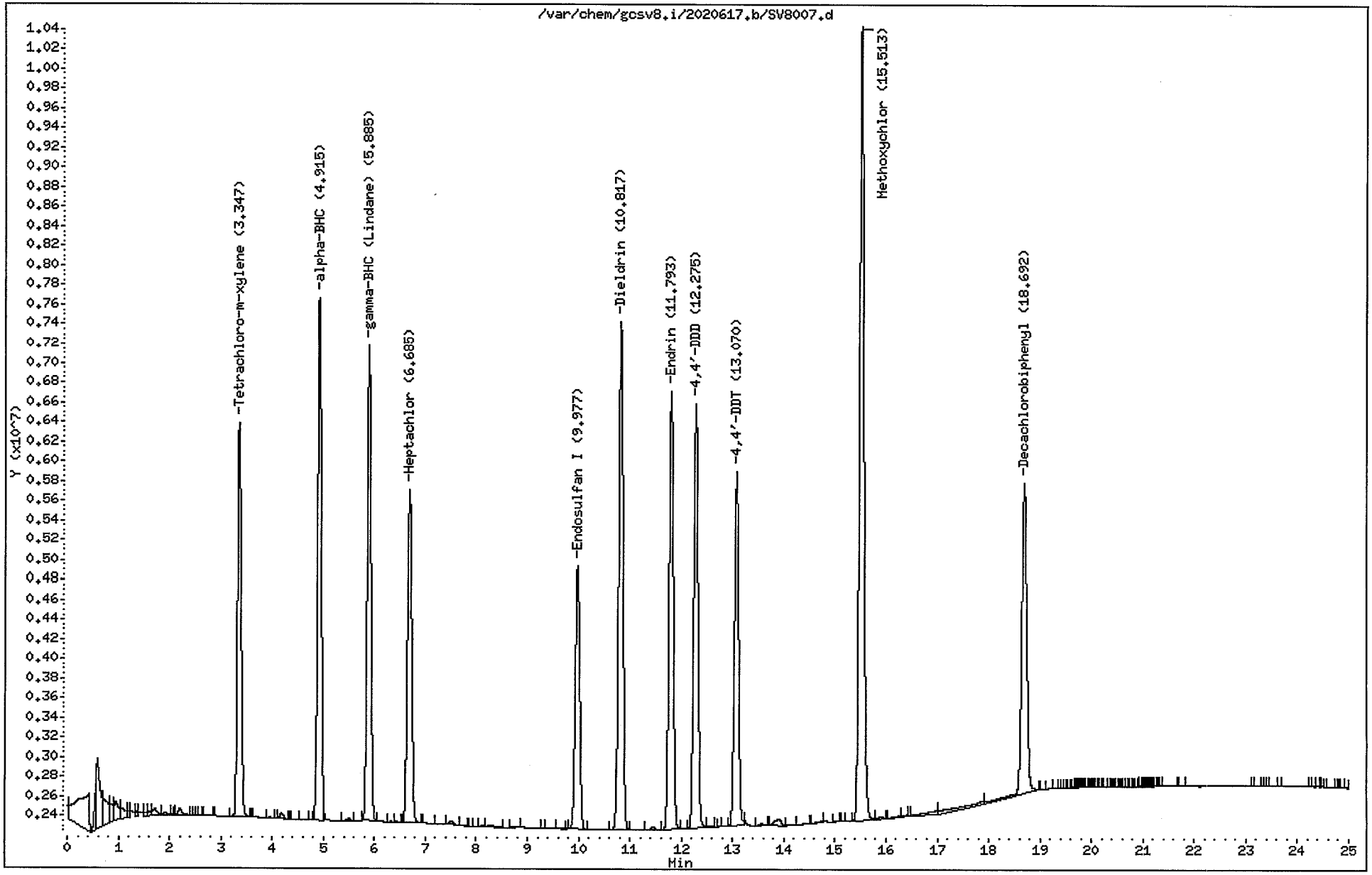
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8007.d
Date : 17-JUN-2002 22:33
Client ID:
Sample Info: IND A III ICV
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53



0003397

Data File: /var/chem/gcsv8.i/2020617.b/SV8013.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv8.i
Lab File ID: SV8013.d
Analysis Type: WATER
Lab Sample ID: IND B III ICV
Method: /var/chem/gcsv8.i/2020617.b/pest608.m

Injection Date: 18-JUN-2002 10:25
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 21:04 17:49
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
5 Aldrin	375372	360483	0.010	3.96652	15.00000	Averaged
6 beta-BHC	218796	205946	0.010	5.87324	15.00000	Averaged
7 delta-BHC	412893	396855	0.010	3.88445	15.00000	Averaged
8 Heptachlor epoxide	301592	295138	0.010	2.14004	15.00000	Averaged
10 gamma-Chlordane	316236	314097	0.010	0.67664	15.00000	Averaged
11 alpha-Chlordane	304620	294788	0.010	3.22773	15.00000	Averaged
12 4,4'-DDE	271513	267888	0.010	1.33521	15.00000	Averaged
16 Endosulfan II	222219	207810	0.010	6.48409	15.00000	Averaged
18 Endrin aldehyde	124622	114286	0.010	8.29386	15.00000	Averaged
20 Endosulfan sulfate	190750	194221	0.010	-1.81973	15.00000	Averaged
21 Endrin ketone	192225	191136	0.010	0.56681	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 17.92978
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Data File: /var/chem/gcsv8.i/2020617.b/SV8013.d
Report Date: 26-Jun-2002 09:37

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8013.d
Lab Smp Id: IND B III ICV
Inj Date : 18-JUN-2002 10:25
Operator : tls Inst ID: gcsv8.i
Smp Info : IND B III ICV
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 16:20 Cal File: SV8025.d
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

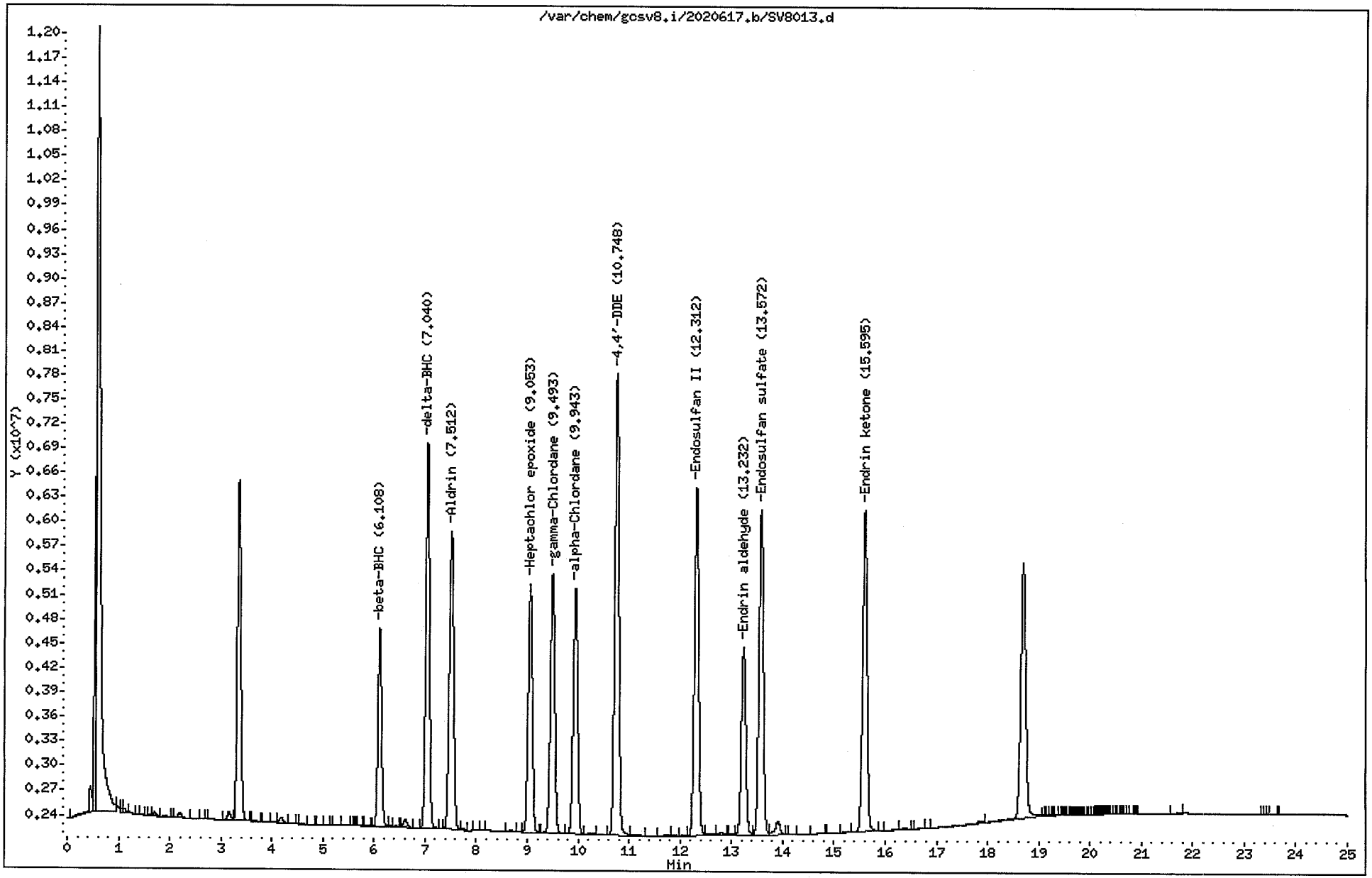
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.512	7.511	0.001	21628958	60.0000	57.6200
6 beta-BHC	6.108	6.108	0.000	12356760	60.0000	56.4760
7 delta-BHC	7.040	7.039	0.001	23811276	60.0000	57.6693
8 Heptachlor epoxide	9.053	9.053	0.000	17708289	60.0000	58.7159
10 gamma-Chlordane	9.493	9.494	-0.001	18845799	60.0000	59.5940
11 alpha-Chlordane	9.943	9.944	-0.001	17687252	60.0000	58.0633
12 4,4'-DDE	10.748	10.749	-0.001	32146519	120.000	118.3977
16 Endosulfan II	12.312	12.312	0.000	24937253	120.000	112.2190
18 Endrin aldehyde	13.232	13.232	0.000	13714325	120.000	110.0473
20 Endosulfan sulfate	13.572	13.572	0.000	23306477	120.000	122.1836
21 Endrin ketone	15.595	15.596	-0.001	22936292	120.000	119.3198

Data File: /var/chem/gcsv8.i/2020617.b/SV8013.d
Date : 18-JUN-2002 10:25
Client ID:
Sample Info: IND B III ICV
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tls
Column diameter: 0.53



Data File: /var/chem/gcsv8.i/2020617.b/SV8084.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8084.d
Lab Smp Id: DEG STD Client Smp ID: DEG STD
Inj Date : 21-JUN-2002 10:14
Operator : tnt Inst ID: gcsv8.i
Smp Info : DEG STD
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	10.808	10.749	0.059	221645	0.81633	0.0081
15 4,4'-DDD	12.275	12.277	-0.002	553544	3.02396	0.0302
17 4,4'-DDT	13.073	13.071	0.002	13472218	90.3931	0.9039
21 Endrin ketone	15.593	15.596	-0.003	469380	2.44182	0.0244
14 Endrin	11.793	11.793	0.000	22147961	112.780	1.1277

DDT : $\frac{775189}{14247407} \cdot 100 = 5\%$

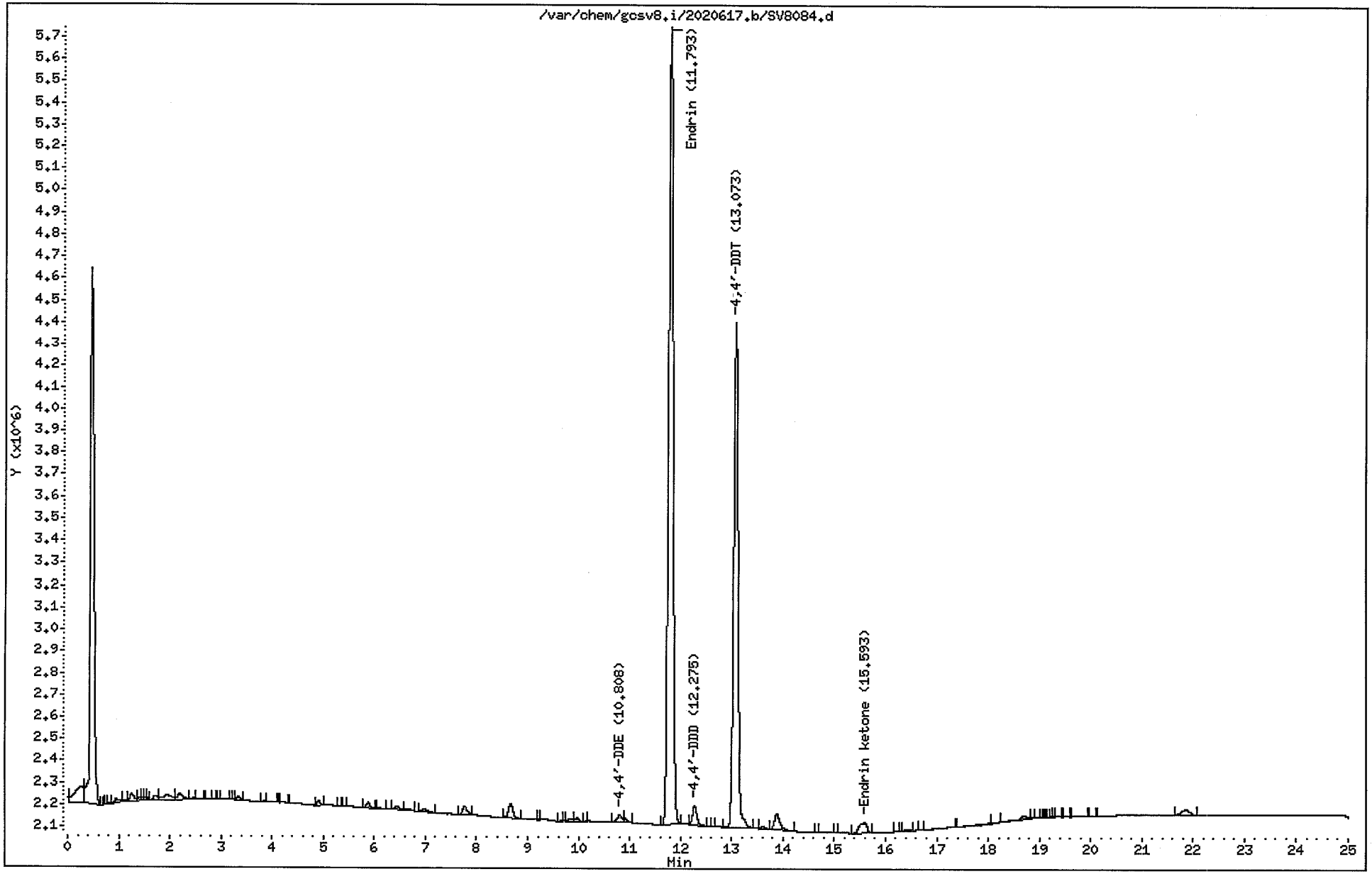
Endrin $\frac{469380}{22617341} \cdot 100 = 2\%$

Data File: /var/chem/gcsv8.i/2020617.b/SV8084.d
Date : 21-JUN-2002 10:14
Client ID: DEG STD
Sample Info: DEG STD
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

0004402



Data File: /var/chem/gcsv8.i/2020617.b/SV8085.d
Report Date: 26-Jun-2002 09:34

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv8.i
Lab File ID: SV8085.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv8.i/2020617.b/pest608.m

Injection Date: 21-JUN-2002 10:44
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 21:04 17:49
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	298749	355626	0.010	-19.03839	15.00000	Averaged	<-
2 alpha-BHC	387267	470084	0.010	-21.38497	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	369852	425728	0.010	-15.10777	15.00000	Averaged	<-
4 Heptachlor	291597	298407	0.010	-2.33532	15.00000	Averaged	
9 Endosulfan I	234639	255056	0.010	-8.70130	15.00000	Averaged	
13 Dieldrin	224928	243429	0.010	-8.22534	15.00000	Averaged	
14 Endrin	196382	189423	0.010	3.54379	15.00000	Averaged	
15 4,4'-DDD	183053	170045	0.010	7.10613	15.00000	Averaged	
17 4,4'-DDT	149040	148415	0.010	0.41928	15.00000	Averaged	
19 Methoxychlor	71067	62582	0.010	11.93915	15.00000	Averaged	
$ 22 Decachlorobiphenyl	170169	169843	0.010	0.19115	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.90842
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv8.i/2020617.b/SV8085.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8085.d
Lab Smp Id: IND A III Client Smp ID: IND A III
Inj Date : 21-JUN-2002 10:44
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A III
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.347	3.346	0.001	21337542	60.0000	71.4230
2 alpha-BHC	4.915	4.914	0.001	28205034	60.0000	72.8309
3 gamma-BHC (Lindane)	5.885	5.884	0.001	25543702	60.0000	69.0646(M)
4 Heptachlor	6.683	6.682	0.001	17904405	60.0000	61.4011
9 Endosulfan I	9.980	9.976	0.004	15303347	60.0000	65.2207
13 Dieldrin	10.820	10.815	0.005	29211530	120.000	129.8704
14 Endrin	11.795	11.793	0.002	22730741	120.000	115.7474
15 4,4'-DDD	12.280	12.277	0.003	20405360	120.000	111.4726
17 4,4'-DDT	13.075	13.071	0.004	17809851	120.000	119.4968
19 Methoxychlor	15.522	15.516	0.006	37549176	600.000	528.3650
$ 22 Decachlorobiphenyl	18.703	18.696	0.007	20381205	120.000	119.7706

Data File: /var/chem/gcsv8.i/2020617.b/SV8085.d
Report Date: 26-Jun-2002 09:36

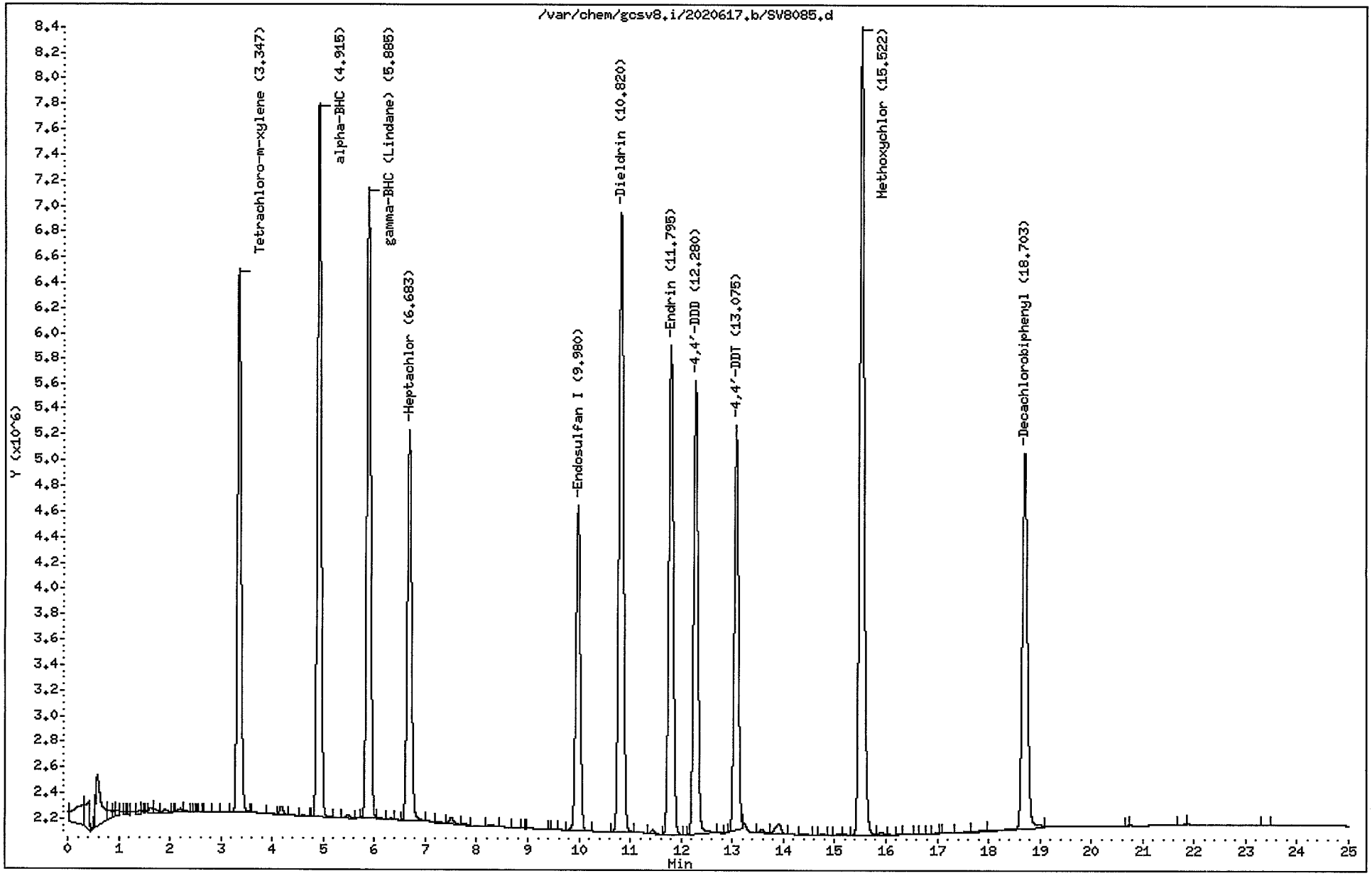
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8085.d
Date : 21-JUN-2002 10:44
Client ID: IND A III
Sample Info: IND A III
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i
Operator: tnt
Column diameter: 0.53

000406



Data File: /var/chem/gcsv8.i/2020617.b/SV8086.d
Report Date: 26-Jun-2002 09:34

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv8.i
Lab File ID: SV8086.d
Analysis Type: WATER
Lab Sample ID: IND B III
Method: /var/chem/gcsv8.i/2020617.b/pest608.m

Injection Date: 21-JUN-2002 11:13
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 21:04 17:49
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
5 Aldrin	375372	400821	0.010	-6.77980	15.00000	Averaged	
6 beta-BHC	218796	229332	0.010	-4.81539	15.00000	Averaged	
7 delta-BHC	412893	434273	0.010	-5.17794	15.00000	Averaged	
8 Heptachlor epoxide	301592	327695	0.010	-8.65490	15.00000	Averaged	
10 gamma-Chlordane	316236	348326	0.010	-10.14736	15.00000	Averaged	
11 alpha-Chlordane	304620	326451	0.010	-7.16681	15.00000	Averaged	
12 4,4'-DDE	271513	290277	0.010	-6.91104	15.00000	Averaged	
16 Endosulfan II	222219	195036	0.010	12.23251	15.00000	Averaged	
18 Endrin aldehyde	124622	108092	0.010	13.26447	15.00000	Averaged	
20 Endosulfan sulfate	190750	225128	0.010	-18.02260	15.00000	Averaged	<-
21 Endrin ketone	192225	218136	0.010	-13.47941	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 9.69566
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv8.i/2020617.b/SV8086.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8086.d
Lab Smp Id: IND B III Client Smp ID: IND B III
Inj Date : 21-JUN-2002 11:13
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND B III
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

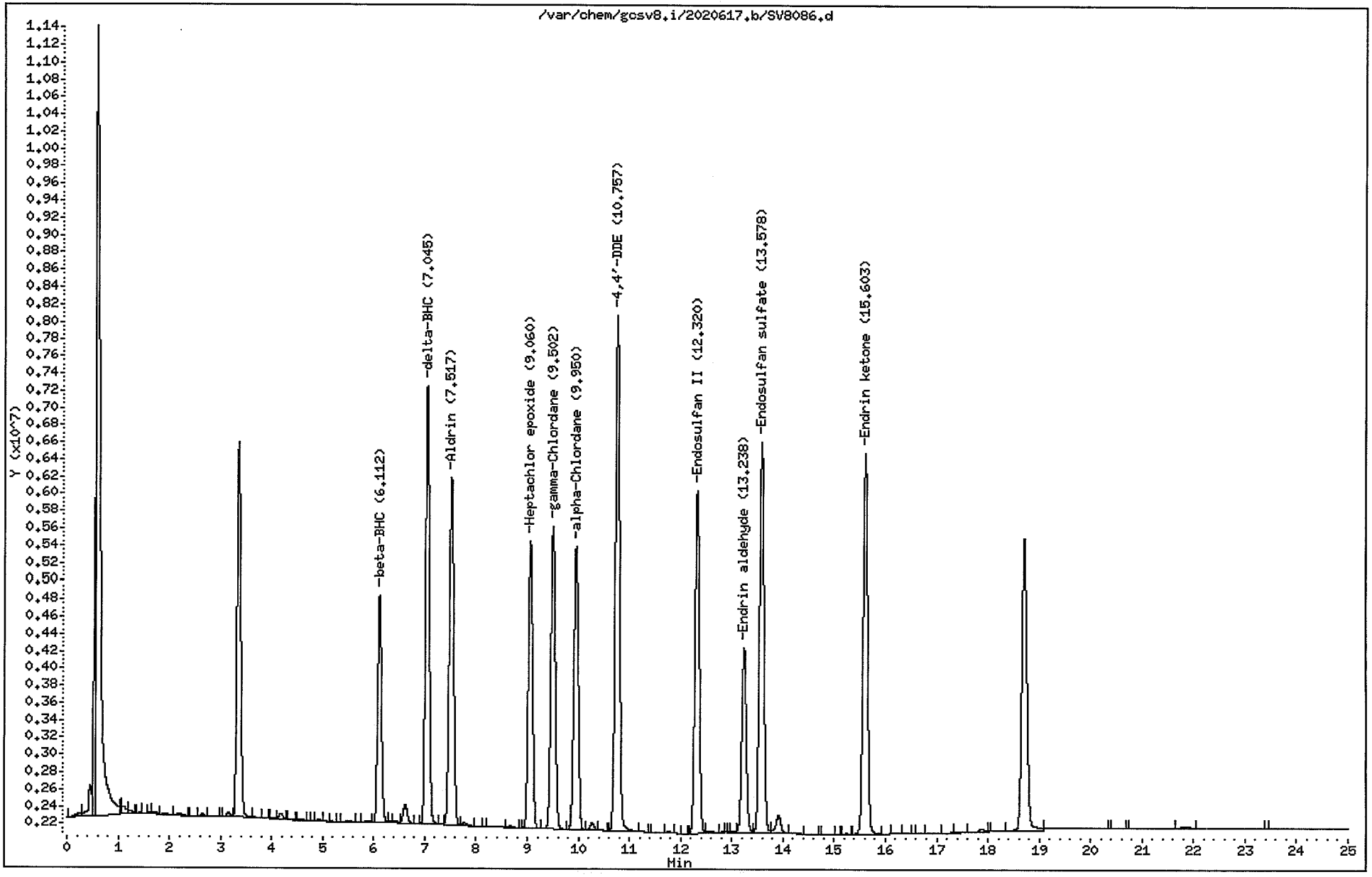
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
5 Aldrin	7.517	7.511	0.006	24049277	60.0000	64.0678
6 beta-BHC	6.112	6.108	0.004	13759940	60.0000	62.8892
7 delta-BHC	7.045	7.039	0.006	26056356	60.0000	63.1067
8 Heptachlor epoxide	9.060	9.053	0.007	19661691	60.0000	65.1929
10 gamma-Chlordane	9.502	9.494	0.008	20899565	60.0000	66.0884
11 alpha-Chlordane	9.950	9.944	0.006	19587082	60.0000	64.3000
12 4,4'-DDE	10.757	10.749	0.008	34833272	120.000	128.2932
16 Endosulfan II	12.320	12.312	0.008	23404360	120.000	105.3209
18 Endrin aldehyde	13.238	13.232	0.006	12970988	120.000	104.0826
20 Endosulfan sulfate	13.578	13.572	0.006	27015304	120.000	141.6271
21 Endrin ketone	15.603	15.596	0.007	26176339	120.000	136.1752

Data File: /var/chem/gcsv8.i/2020617.b/SV8086.d
Date : 21-JUN-2002 11:13
Client ID: IND B III
Sample Info: IND B III
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000409



Data File: /var/chem/gcsv8.i/2020617.b/SV8093.d
Report Date: 26-Jun-2002 09:34

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv8.i
Lab File ID: SV8093.d
Analysis Type: WATER
Lab Sample ID: IND A III
Method: /var/chem/gcsv8.i/2020617.b/pest608.m

Injection Date: 21-JUN-2002 14:56
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 21:04 17:49
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	298749	373096	0.010	-24.88609	15.00000	Averaged	<-
2 alpha-BHC	387267	495643	0.010	-27.98491	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	369852	461748	0.010	-24.84684	15.00000	Averaged	<-
4 Heptachlor	291597	355839	0.010	-22.03099	15.00000	Averaged	<-
9 Endosulfan I	234639	272552	0.010	-16.15794	15.00000	Averaged	<-
13 Dieldrin	224928	263331	0.010	-17.07341	15.00000	Averaged	<-
14 Endrin	196382	213772	0.010	-8.85527	15.00000	Averaged	
15 4,4'-DDD	183053	197939	0.010	-8.13244	15.00000	Averaged	
17 4,4'-DDT	149040	188461	0.010	-26.44988	15.00000	Averaged	<-
19 Methoxychlor	71067	80871	0.010	-13.79601	15.00000	Averaged	
$ 22 Decachlorobiphenyl	170169	182104	0.010	-7.01378	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 17.92978
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Data File: /var/chem/gcsv8.i/2020617.b/SV8093.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8093.d
Lab Smp Id: IND A III Client Smp ID: IND A III
Inj Date : 21-JUN-2002 14:56
Operator : tnt Inst ID: gcsv8.i
Smp Info : IND A III
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

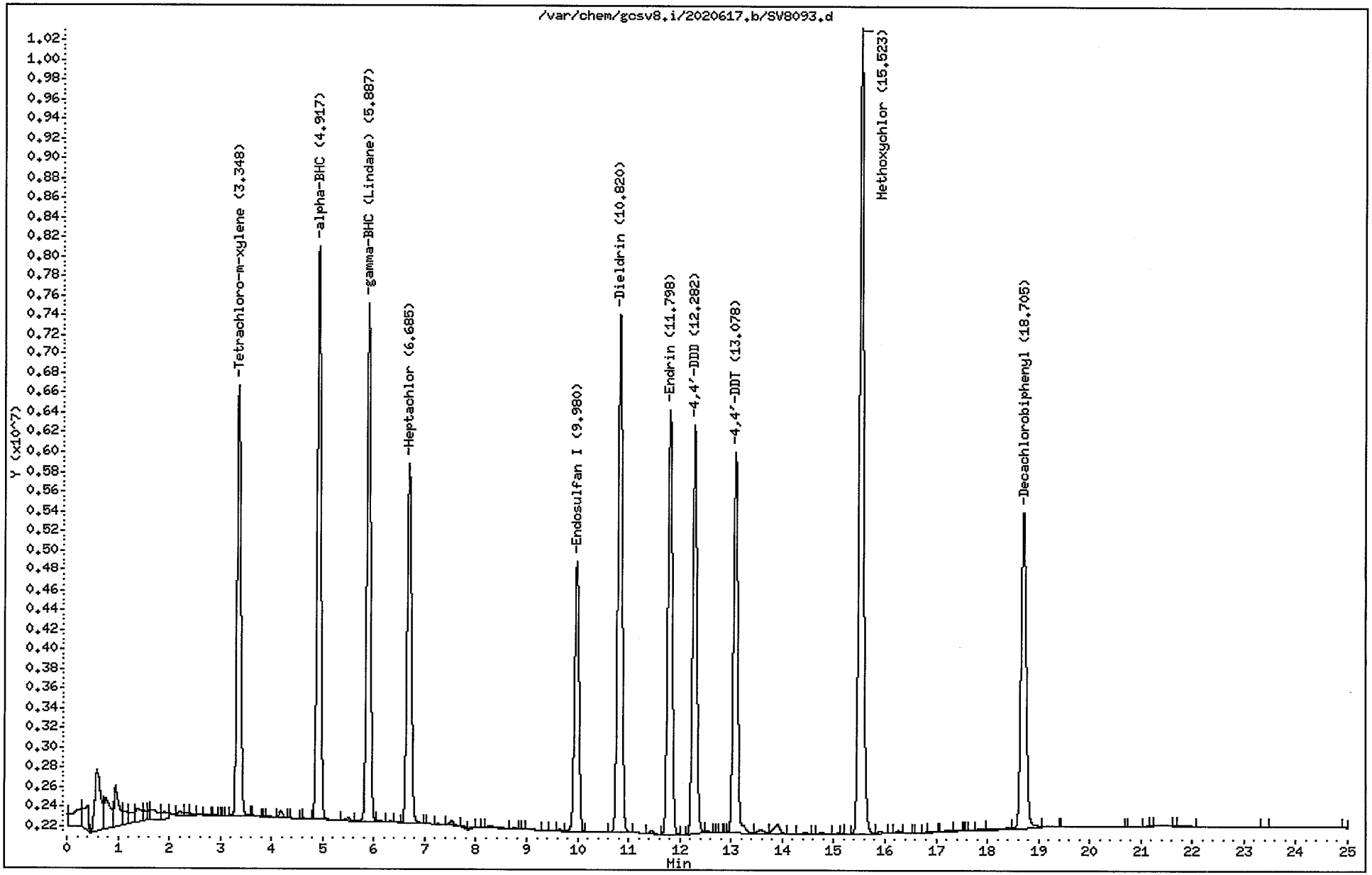
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	3.348	3.346	0.002	22385739	60.0000	74.9316
2 alpha-BHC	4.917	4.914	0.003	29738599	60.0000	76.7909
3 gamma-BHC (Lindane)	5.887	5.884	0.003	27704909	60.0000	74.9081
4 Heptachlor	6.685	6.682	0.003	21350324	60.0000	73.2185
9 Endosulfan I	9.980	9.976	0.004	16353118	60.0000	69.6947
13 Dieldrin	10.820	10.815	0.005	31599747	120.000	140.4880
14 Endrin	11.798	11.793	0.005	25652686	120.000	130.6263
15 4,4'-DDD	12.282	12.277	0.005	23752712	120.000	129.7589
17 4,4'-DDT	13.078	13.071	0.007	22615357	120.000	151.7398
19 Methoxychlor	15.523	15.516	0.007	48522660	600.000	682.7760
$ 22 Decachlorobiphenyl	18.705	18.696	0.009	21852470	120.000	128.4165

Data File: /var/chem/gcsv8.i/2020617.b/SV8093.d
Date : 21-JUN-2002 14:56
Client ID: IND A III
Sample Info: IND A III
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i
Operator: tnt
Column diameter: 0.53



000412

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46415	Method Blank	Solid	06/21/2002 17:25

SW-846 8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 11:58	SAB	146072

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-54-8	4,4'-DDD	ND	4.00		ug/Kg
72-55-9	4,4'-DDE	ND	4.00		ug/Kg
50-29-3	4,4'-DDT	ND	4.00		ug/Kg
309-00-2	Aldrin	ND	2.00		ug/Kg
60-57-1	Dieldrin	ND	4.00		ug/Kg
959-98-8	Endosulfan I	ND	2.00		ug/Kg
33213-65-	Endosulfan II	ND	4.00		ug/Kg
1031-07-8	Endosulfan sulfate	ND	4.00		ug/Kg
72-20-8	Endrin	ND	4.00		ug/Kg
7421-93-4	Endrin aldehyde	ND	4.00		ug/Kg
53494-70-	Endrin ketone	ND	4.00		ug/Kg
76-44-8	Heptachlor	ND	2.00		ug/Kg
1024-57-3	Heptachlor epoxide	ND	2.00		ug/Kg
72-43-5	Methoxychlor	ND	20.0		ug/Kg
8001-35-2	Toxaphene	ND	200		ug/Kg
319-84-6	alpha-BHC	ND	2.00		ug/Kg
5103-71-9	alpha-Chlordane	ND	2.00		ug/Kg
319-85-7	beta-BHC	ND	4.00		ug/Kg
319-86-8	delta-BHC	ND	2.00		ug/Kg
58-89-9	gamma-BHC (Lindane)	ND	2.00		ug/Kg
5103-74-2	gamma-Chlordane	ND	2.00		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	20.7 ug/Kg	124	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	19.7 ug/Kg	118	60 - 150

Data File: /var/chem/gcsv8.i/2020617.b/SV8087.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8087.d
Lab Smp Id: 46415 Client Smp ID: 46415
Inj Date : 21-JUN-2002 11:58
Operator : tnt Inst ID: gcsv8.i
Smp Info : 46415
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

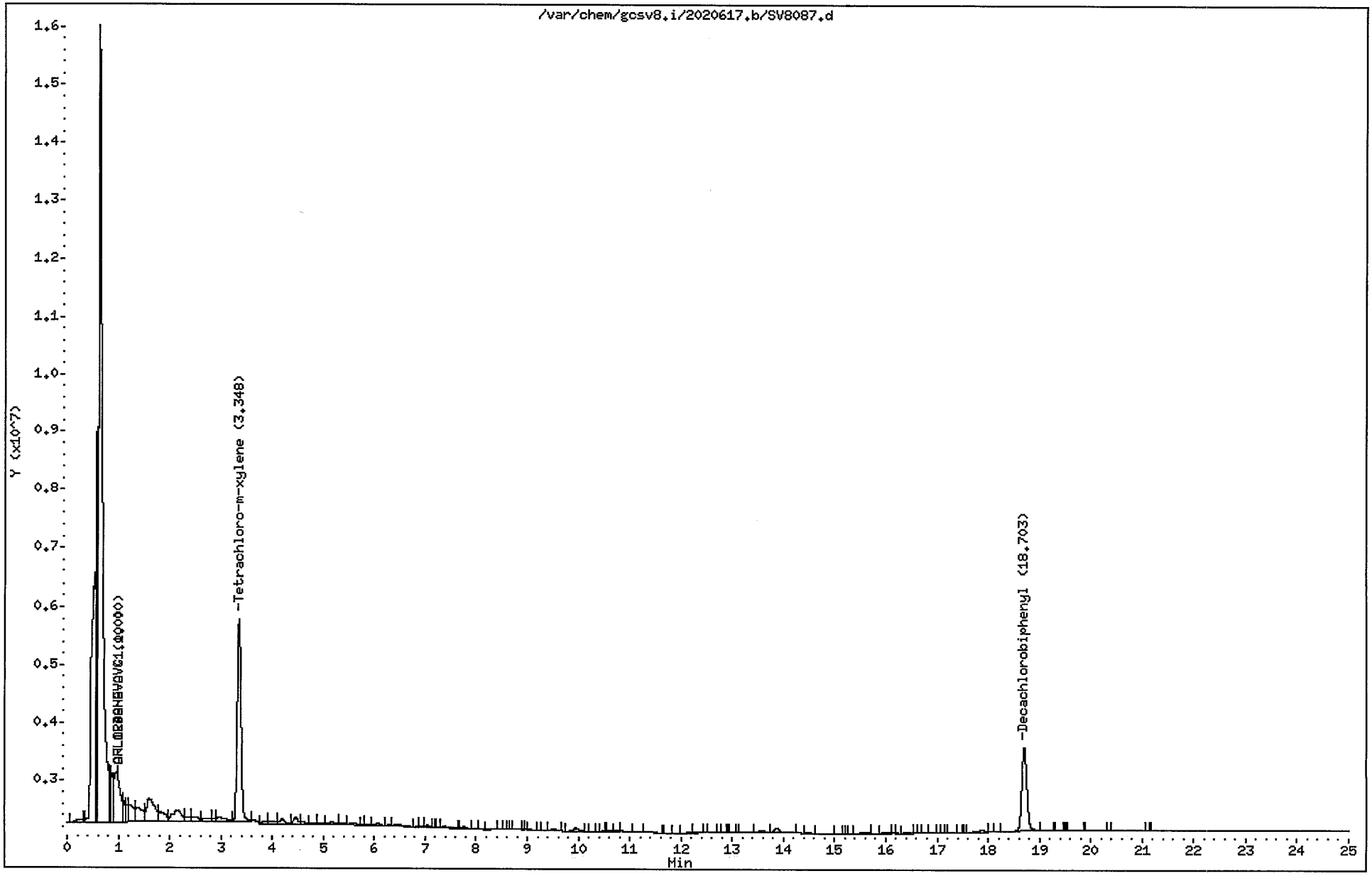
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.348	3.346	0.002	18520108	61.9923	20.6640
$ 22 Decachlorobiphenyl	18.703	18.696	0.007	10055735	59.0928	19.6975

Data File: /var/chem/gcsv8.i/2020617.b/SV8087.d
Date : 21-JUN-2002 11:58
Client ID: 46415
Sample Info: 46415
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i
Operator: tnt
Column diameter: 0.53

000415



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46416	Lab Control Sample	Solid	06/21/2002 17:25

SW-846 8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 12:28	SAB	146072

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-54-8	**4,4'-DDD**	**21.6**	**4.00**		**ug/Kg**
72-55-9	**4,4'-DDE**	**17.0**	**4.00**		**ug/Kg**
50-29-3	**4,4'-DDT**	**23.0**	**4.00**		**ug/Kg**
309-00-2	**Aldrin**	**18.0**	**2.00**		**ug/Kg**
60-57-1	**Dieldrin**	**25.4**	**4.00**		**ug/Kg**
959-98-8	**Endosulfan I**	**21.6**	**2.00**		**ug/Kg**
33213-65-	**Endosulfan II**	**17.8**	**4.00**		**ug/Kg**
1031-07-8	**Endosulfan sulfate**	**21.3**	**4.00**		**ug/Kg**
72-20-8	**Endrin**	**23.5**	**4.00**		**ug/Kg**
7421-93-4	**Endrin aldehyde**	**28.4**	**4.00**		**ug/Kg**
53494-70-	**Endrin ketone**	**22.8**	**4.00**		**ug/Kg**
76-44-8	**Heptachlor**	**21.3**	**2.00**		**ug/Kg**
1024-57-3	**Heptachlor epoxide**	**18.6**	**2.00**		**ug/Kg**
72-43-5	Methoxychlor	18.5J	20.0		ug/Kg
8001-35-2	Toxaphene	ND	200		ug/Kg
319-84-6	**alpha-BHC**	**23.2**	**2.00**		**ug/Kg**
5103-71-9	**alpha-Chlordane**	**16.6**	**2.00**		**ug/Kg**
319-85-7	**beta-BHC**	**17.7**	**4.00**		**ug/Kg**
319-86-8	**delta-BHC**	**17.8**	**2.00**		**ug/Kg**
58-89-9	**gamma-BHC (Lindane)**	**20.1**	**2.00**		**ug/Kg**
5103-74-2	**gamma-Chlordane**	**18.3**	**2.00**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	16.7	24.1 ug/Kg	145	60 - 150
2051-24-3	**Decachlorobiphenyl**	16.7	24.7 ug/Kg	148	60 - 150

Data File: /var/chem/gcsv8.i/2020617.b/SV8088.d
Report Date: 26-Jun-2002 09:50

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8088.d
Lab Smp Id: 46416 Client Smp ID: 46416
Inj Date : 21-JUN-2002 12:28
Operator : tnt Inst ID: gcsv8.i
Smp Info : 46416
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.345	3.346	-0.001	21590909	72.2711	24.0903
2 alpha-BHC	4.915	4.914	0.001	26902165	69.4667	23.1555
3 gamma-BHC (Lindane)	5.885	5.884	0.001	22335863	60.3914	20.1304
4 Heptachlor	6.685	6.682	0.003	18598359	63.7810	21.2603
5 Aldrin	7.515	7.511	0.004	20228951	53.8904	17.9634
6 beta-BHC	6.112	6.108	0.004	11607798	53.0530	17.6843
7 delta-BHC	7.043	7.039	0.004	22086701	53.4925	17.8308
8 Heptachlor epoxide	9.060	9.053	0.007	16812387	55.7454	18.5818
9 Endosulfan I	9.965	9.976	-0.011	15215434	64.8461	21.6153(M)
10 gamma-Chlordane	9.500	9.494	0.006	17358057	54.8895	18.2964
11 alpha-Chlordane	9.965	9.944	0.021	15215434	49.9489	16.6496(M)
12 4,4'-DDE	10.783	10.749	0.034	13857668	51.0387	17.0129(M)
13 Dieldrin	10.785	10.815	-0.030	17127218	76.1452	25.3817(M)

Data File: /var/chem/gcsv8.i/2020617.b/SV8088.d
Report Date: 26-Jun-2002 09:50

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
14 Endrin	11.798	11.793	0.005	13852437	70.5381	23.5127
15 4,4'-DDD	12.303	12.277	0.026	11874372	64.8686	21.6228(M)
16 Endosulfan II	12.303	12.312	-0.009	11874372	53.4354	17.8117(M)
17 4,4'-DDT	13.078	13.071	0.007	10275654	68.9455	22.9818
18 Endrin aldehyde	13.240	13.232	0.008	10611883	85.1526	28.3841
19 Methoxychlor	15.543	15.516	0.027	3954051	55.6386	18.5461(M)
20 Endosulfan sulfate	13.580	13.572	0.008	12236306	64.1486	21.3828
21 Endrin ketone	15.602	15.596	0.006	13133250	68.3222	22.7740(M)
$ 22 Decachlorobiphenyl	18.703	18.696	0.007	12597187	74.0277	24.6758

QC Flag Legend

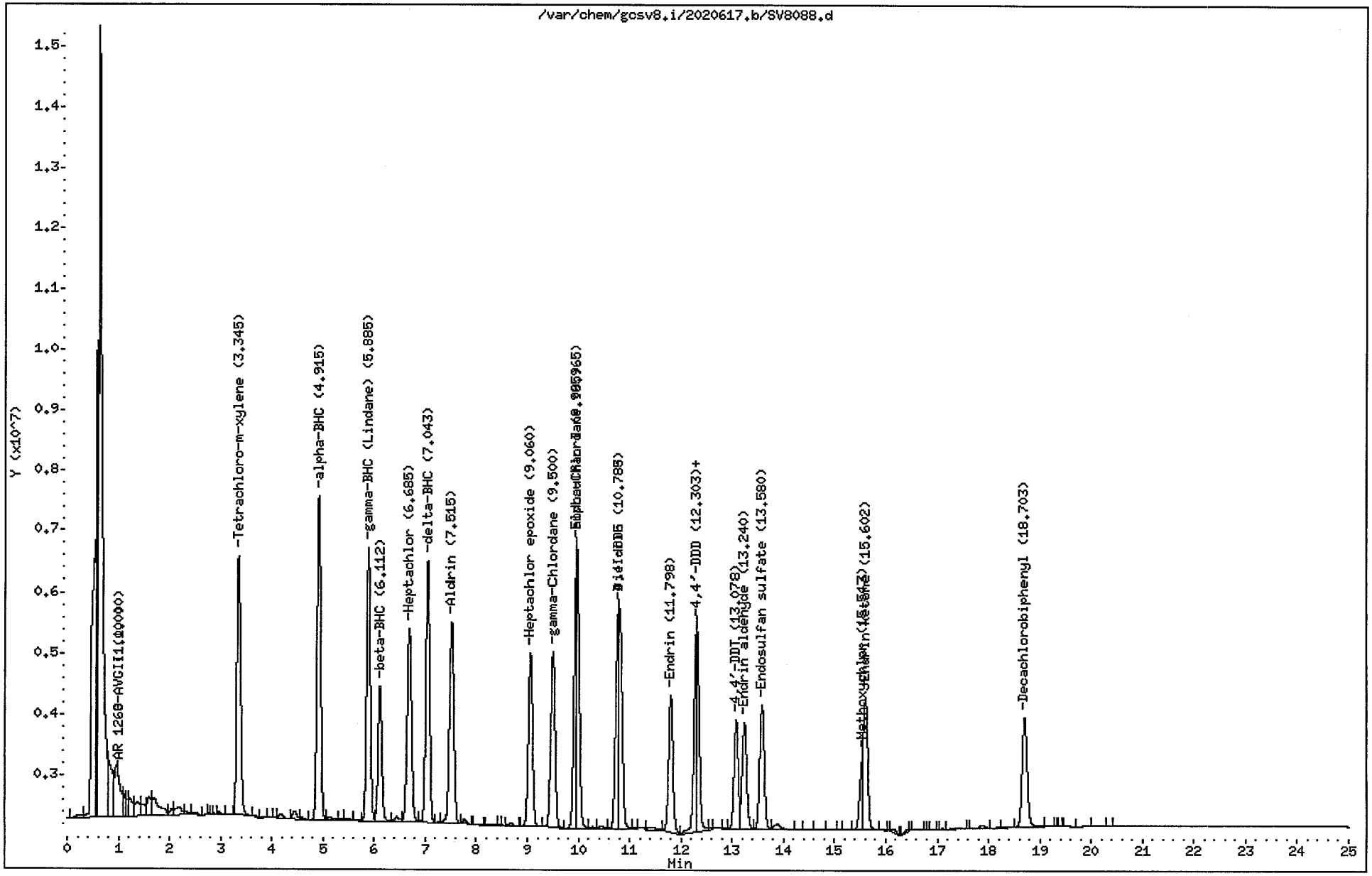
M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8088.d
Date : 21-JUN-2002 12:28
Client ID: 46416
Sample Info: 46416
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i

Operator: tnt
Column diameter: 0.53

000419



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46417	Matrix Spike	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 13:27	TNT	146072

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-54-8	**4,4'-DDD**	**21.6**	**4.65**		**ug/Kg**
72-55-9	**4,4'-DDE**	**18.0**	**4.65**		**ug/Kg**
50-29-3	**4,4'-DDT**	**25.0**	**4.65**		**ug/Kg**
309-00-2	**Aldrin**	**16.3**	**2.32**		**ug/Kg**
60-57-1	**Dieldrin**	**24.0**	**4.65**		**ug/Kg**
959-98-8	**Endosulfan I**	**19.4**	**2.32**		**ug/Kg**
33213-65-	**Endosulfan II**	**17.8**	**4.65**		**ug/Kg**
1031-07-8	**Endosulfan sulfate**	**22.6**	**4.65**		**ug/Kg**
72-20-8	**Endrin**	**24.7**	**4.65**		**ug/Kg**
7421-93-4	**Endrin aldehyde**	**29.6**	**4.65**		**ug/Kg**
53494-70-	**Endrin ketone**	**21.5**	**4.65**		**ug/Kg**
76-44-8	**Heptachlor**	**21.0**	**2.32**		**ug/Kg**
1024-57-3	**Heptachlor epoxide**	**18.4**	**2.32**		**ug/Kg**
72-43-5	Methoxychlor	16.5J	23.2		ug/Kg
8001-35-2	Toxaphene	ND	232		ug/Kg
319-84-6	**alpha-BHC**	**23.1**	**2.32**		**ug/Kg**
5103-71-9	**alpha-Chlordane**	**17.5**	**2.32**		**ug/Kg**
319-85-7	**beta-BHC**	**18.5**	**4.65**		**ug/Kg**
319-86-8	**delta-BHC**	**17.5**	**2.32**		**ug/Kg**
58-89-9	**gamma-BHC (Lindane)**	**19.9**	**2.32**		**ug/Kg**
5103-74-2	**gamma-Chlordane**	**17.4**	**2.32**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	16.7	24.6 ug/Kg	148	60 - 150
2051-24-3	**Decachlorobiphenyl**	16.7	19.7 ug/Kg	118	60 - 150

Data File: /var/chem/gcsv8.i/2020617.b/SV8090.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8090.d
Lab Smp Id: 46417 Client Smp ID: BF-S-0619MS
Inj Date : 21-JUN-2002 13:27
Operator : tnt Inst ID: gcsv8.i
Smp Info : 46417
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.348	3.346	0.002	22032614	73.7496	24.5832
2 alpha-BHC	4.917	4.914	0.003	23166807	59.8213	19.9404
3 gamma-BHC (Lindane)	5.887	5.884	0.003	18922769	51.1631	17.0543
4 Heptachlor	6.685	6.682	0.003	15847685	54.3479	18.1159
5 Aldrin	7.517	7.511	0.006	15718479	41.8744	13.9581
6 beta-BHC	6.112	6.108	0.004	10447523	47.7500	15.9166
7 delta-BHC	7.045	7.039	0.006	18656794	45.1855	15.0618
8 Heptachlor epoxide	9.060	9.053	0.007	14270734	47.3180	15.7726
9 Endosulfan I	9.962	9.976	-0.014	11774735	50.1823	16.7274(M)
10 gamma-Chlordane	9.500	9.494	0.006	14208056	44.9286	14.9761
11 alpha-Chlordane	9.965	9.944	0.021	13820433	45.3694	15.1231(M)
12 4,4'-DDE	10.788	10.749	0.039	12589891	46.3694	15.4564(M)
13 Dieldrin	10.792	10.815	-0.023	13954473	62.0397	20.6798(M)

Data File: /var/chem/gcsv8.i/2020617.b/SV8090.d
Report Date: 26-Jun-2002 09:36

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
14 Endrin	11.798	11.793	0.005	12535864	63.8340	21.2780
15 4,4'-DDD	12.303	12.277	0.026	10207558	55.7630	18.5876(M)
16 Endosulfan II	12.303	12.312	-0.009	10207558	45.9346	15.3115(M)
17 4,4'-DDT	13.077	13.071	0.006	9608265	64.4676	21.4891
18 Endrin aldehyde	13.242	13.232	0.010	9547019	76.6078	25.5359
19 Methoxychlor	15.540	15.516	0.024	3017257	42.4567	14.1522(M)
20 Endosulfan sulfate	13.580	13.572	0.008	11184572	58.6349	19.5449
21 Endrin ketone	15.600	15.596	0.004	10694994	55.6378	18.5459(M)
$ 22 Decachlorobiphenyl	18.703	18.696	0.007	10062194	59.1307	19.7102

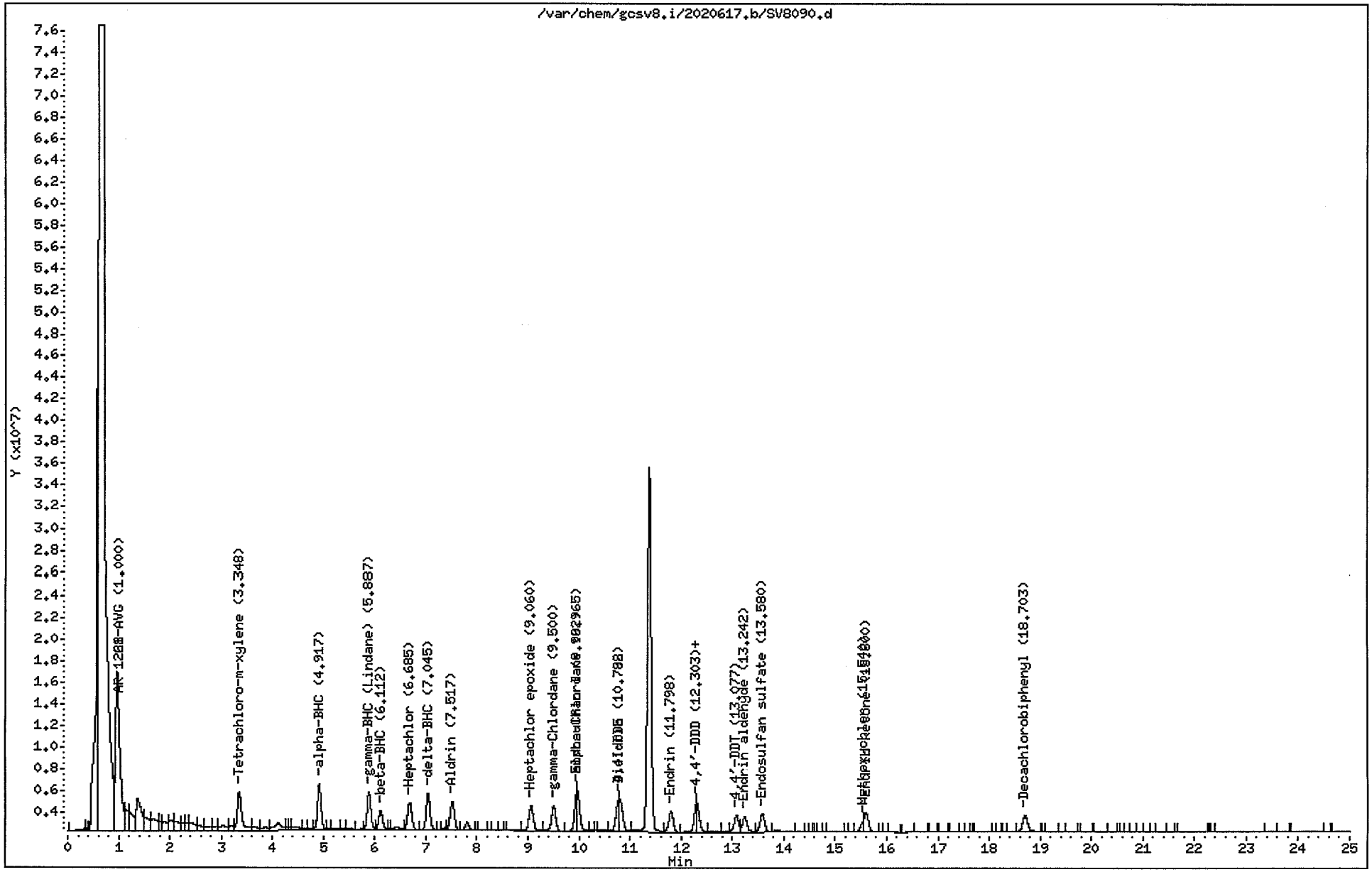
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8090.d
Date : 21-JUN-2002 13:27
Client ID: BF-S-0619MS
Sample Info: 46417
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i
Operator: tnt
Column diameter: 0.53

000423



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46418	Matrix Spike Duplicate	Solid	06/19/2002 09:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8081A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145850	3540C	1	06/21/2002 13:57	TNT	146072

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
72-54-8	4,4'-DDD	14.2	4.65		ug/Kg
72-55-9	4,4'-DDE	12.9	4.65		ug/Kg
50-29-3	4,4'-DDT	13.9	4.65		ug/Kg
309-00-2	Aldrin	10.7	2.32		ug/Kg
60-57-1	Dieldrin	17.4	4.65		ug/Kg
959-98-8	Endosulfan I	14.3	2.32		ug/Kg
33213-65-	Endosulfan II	11.6	4.65		ug/Kg
1031-07-8	Endosulfan sulfate	13.0	4.65		ug/Kg
72-20-8	Endrin	16.8	4.65		ug/Kg
7421-93-4	Endrin aldehyde	17.0	4.65		ug/Kg
53494-70-	Endrin ketone	13.6	4.65		ug/Kg
76-44-8	Heptachlor	13.2	2.32		ug/Kg
1024-57-3	Heptachlor epoxide	11.3	2.32		ug/Kg
72-43-5	Methoxychlor	10.5J	23.2		ug/Kg
8001-35-2	Toxaphene	ND	232		ug/Kg
319-84-6	alpha-BHC	14.1	2.32		ug/Kg
5103-71-9	alpha-Chlordane	11.0	2.32		ug/Kg
319-85-7	beta-BHC	10.4	4.65		ug/Kg
319-86-8	delta-BHC	11.2	2.32		ug/Kg
58-89-9	gamma-BHC (Lindane)	12.3	2.32		ug/Kg
5103-74-2	gamma-Chlordane	11.0	2.32		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	16.1 ug/Kg	97	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	13.2 ug/Kg	79	60 - 150

Data File: /var/chem/gcsv8.i/2020617.b/SV8091.d
Report Date: 26-Jun-2002 09:36

Gulf Coast Analytical Services

Data file : /var/chem/gcsv8.i/2020617.b/SV8091.d
Lab Smp Id: 46418 Client Smp ID: BF-S-0619MSD
Inj Date : 21-JUN-2002 13:57
Operator : tnt Inst ID: gcsv8.i
Smp Info : 46418
Misc Info :
Comment :
Method : /var/chem/gcsv8.i/2020617.b/pest608.m
Meth Date : 26-Jun-2002 09:34 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 17:49 Cal File: SV8028.d
Als bottle: 5 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	3.348	3.346	0.002	14408735	48.2303	16.0767
2 alpha-BHC	4.917	4.914	0.003	14006316	36.1671	12.0556
3 gamma-BHC (Lindane)	5.887	5.884	0.003	11734879	31.7286	10.5761
4 Heptachlor	6.685	6.682	0.003	9978500	34.2202	11.4067
5 Aldrin	7.517	7.511	0.006	10354143	27.5837	9.1945
6 beta-BHC	6.112	6.108	0.004	5882301	26.8848	8.9616
7 delta-BHC	7.043	7.039	0.004	11976528	29.0064	9.6687
8 Heptachlor epoxide	9.060	9.053	0.007	8816321	29.2326	9.7441
9 Endosulfan I	9.965	9.976	-0.011	8647576	36.8548	12.2849(M)
10 gamma-Chlordane	9.500	9.494	0.006	8988648	28.4238	9.4746(M)
11 alpha-Chlordane	9.965	9.944	0.021	8647576	28.3881	9.4626(M)
12 4,4'-DDE	10.787	10.749	0.038	9015098	33.2032	11.0677(M)
13 Dieldrin	10.788	10.815	-0.027	10155298	45.1490	15.0496(M)

Data File: /var/chem/gcsv8.i/2020617.b/SV8091.d
Report Date: 26-Jun-2002 09:36

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	14 Endrin	11.800	11.793	0.007	8551188	43.5436	14.5145
	15 4,4'-DDD	12.303	12.277	0.026	6696441	36.5821	12.1940(M)
	16 Endosulfan II	12.303	12.312	-0.009	6696441	30.1344	10.0447(M)
	17 4,4'-DDT	13.077	13.071	0.006	5368465	36.0202	12.0067
	18 Endrin aldehyde	13.240	13.232	0.008	5476686	43.9464	14.6487
	19 Methoxychlor	15.540	15.516	0.024	1934336	27.2186	9.0728(M)
	20 Endosulfan sulfate	13.580	13.572	0.008	6417576	33.6440	11.2146
	21 Endrin ketone	15.600	15.596	0.004	6763539	35.1855	11.7284(M)
$	22 Decachlorobiphenyl	18.702	18.696	0.006	6729983	39.5489	13.1829
M	33 AR 1260-AVGII				427068		(a)
	35 AR 1260-PEAK6	16.103	16.160	-0.057	419623		(a)
	36 AR 1260-PEAK7	16.712	16.757	-0.045	7445		(a)
M	37 AR 1221-AVG				246712	13.8688	4.6229
	40 AR 1221-PEAK3	4.787	4.822	-0.035	246712	27.4625	9.1541
M	52 AR 1248-AVG				6472	0.13139	0.0437
	56 AR 1248-PEAK4	8.437	8.482	-0.045	6472	0.43150	0.1438
M	57 AR 1254-AVG				1414898	64.1980	21.3993
	59 AR 1254-PEAK2	10.483	10.450	0.033	1414898	319.150	106.3832
	67 TOXAPHENE-PEAK5	14.938	14.960	-0.022	28144		(a)
M	68 CHLORDANE-AVG				9016792	75.7760	25.2586
	71 CHLORDANE-PEAK3	9.500	9.502	-0.002	8988648	185.040	61.6799
M	74 AR 1268-AVG				34194		(a)
	76 AR 1268-PEAK2	15.240	15.245	-0.005	21257		(a)
	78 AR 1268 PEAK4	17.505	17.522	-0.017	12937		(a)

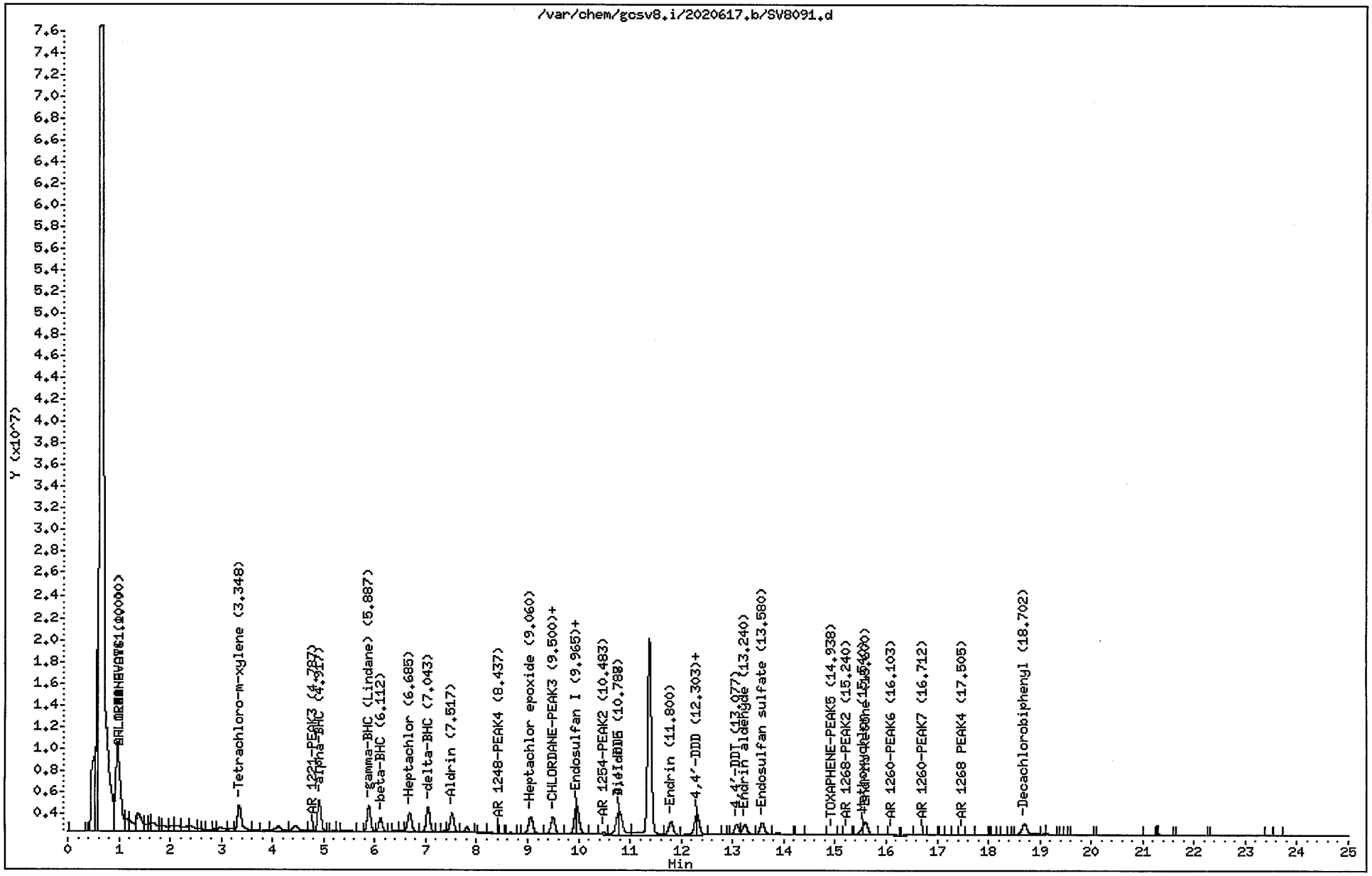
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /var/chem/gcsv8.i/2020617.b/SV8091.d
Date : 21-JUN-2002 13:57
Client ID: BF-S-0619MSD
Sample Info: 46418
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv8.i
Operator: tnt
Column diameter: 0.53

0004227



PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 06/21/02 08:00

MATRIX: _____ WATER ✓ SOIL _____ OTHER

LEVEL: ✓ LOW _____ MEDIUM

BATCH# 145850 145851

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Initial pH	COMMENTS	METHOD
1	46415 46420	0621PBLK	30.0	10.0			
2	46416	0621LCS	30.0	10.0		608	_____ LIQUID LIQUID/3520
3	CH2M 14:11	20206200201	30.0	10.0			
4	46417	20206200201MS	30.0	10.0		608	_____ SEPARATIORY FUNNEL/3510
5	46418	20206200201MSD	30.0	10.0			
6		20206200202	30.0	10.0			_____ GPC CLEANUP/3640
[redacted]		20206201101	30.0	10.0			
8	46422 ~~46422~~ SKB 06/21/02	20206201101MS	30.0	10.0		PCB	✓ SONICATOR/3550
9	46423	20206201101MSD	30.0	10.0			
10	46421	0621LCS	30.0	10.0			_____ FLORISIL CLEANUP/3620
11	46671	0621LCSD	30.0	10.0			
12							✓ PCB SULFURIC ACID/3665A
13							CLEAN UP
14							_____ WASTE DILUTION/3580
15							TCLP EXTRACTION FLUID #1
16							
17							
18							TCLP EXTRACTION FLUID #2
19							
20							MECL2/Acetone No: 1-45-2
21							
22							ACETONE LOT NO: 012684
23							
24							MeCL2 Lot No: 013600
25							
26							HEXANE Lot No: 029497
27							
28							Sodium Sulfate Lot No: 020966

SKB 06/24/02

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID 8-131-3
VOLUME 1.0 mL
CONCENTRATION 0.5 ug/mL

BB SOIL SPIKE ID 8-130-3
VOLUME 1.0 mL
CONCENTRATION 4.0 ug/mL

608 SPIKE ID 8-124-3
VOLUME 0.5 mL
CONCENTRATION 1.0 ug/mL

ACID _____

SPIKE WITNESS WES

TECHNICIAN _____ DATE _____

SUPERVISOR John Bailey DATE 06/21/02

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/25/2002
Instrument: gcsv8.i
Method File: /var/chem/gcsv8.i/2020617.b/pest2.m
Batch: /var/chem/gcsv8.i/2020617.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
		SV8001.d	17-JUN-2002 19:35	1.000	tnt	
		SV8002.d	17-JUN-2002 20:05	1.000	tnt	
DEG STD		SV8003.d	17-JUN-2002 20:34	1.000	tnt	
IND A I		SV8004.d	17-JUN-2002 21:04	1.000	tnt	
IND A II		SV8005.d	17-JUN-2002 21:34	1.000	tnt	
IND A III		SV8006.d	17-JUN-2002 22:03	1.000	tnt	
IND A III ICV		SV8007.d	17-JUN-2002 22:33	1.000	tnt	
IND A IV		SV8008.d	17-JUN-2002 23:02	1.000	tnt	
IND A V		SV8009.d	17-JUN-2002 23:32	1.000	tnt	
IND B I		SV8010.d	18-JUN-2002 00:02	1.000	tnt	
IND B II		SV8011.d	18-JUN-2002 09:26	1.000	tls	
IND B III		SV8012.d	18-JUN-2002 09:55	1.000	tls	
IND B III ICV		SV8013.d	18-JUN-2002 10:25	1.000	tls	
IND B IV		SV8014.d	18-JUN-2002 10:54	1.000	tls	
IND B V		SV8015.d	18-JUN-2002 11:24	1.000	tls	
CHLORDANE V		SV8016.d	18-JUN-2002 11:54	1.000	tls	
TOXAPHENE V		SV8017.d	18-JUN-2002 12:23	1.000	tls	
AR 1221 III		SV8018.d	18-JUN-2002 12:53	1.000	tls	
AR 1232 III		SV8019.d	18-JUN-2002 13:22	1.000	tls	
AR 1242 III		SV8020.d	18-JUN-2002 13:52	1.000	tls	
AR 1248 III		SV8021.d	18-JUN-2002 14:22	1.000	tls	
AR 1254 III		SV8022.d	18-JUN-2002 14:51	1.000	tls	
AR 1016/1260 I		SV8023.d	18-JUN-2002 15:21	1.000	tls	
AR 1016/1260 II		SV8024.d	18-JUN-2002 15:50	1.000	tls	
AR 1016/1260 III		SV8025.d	18-JUN-2002 16:20	1.000	tls	
AR 1016/1260 III I		SV8026.d	18-JUN-2002 16:50	1.000	tls	
AR 1016/1260 IV		SV8027.d	18-JUN-2002 17:19	1.000	tls	
AR 1016/1260 V		SV8028.d	18-JUN-2002 17:49	1.000	tls	
DEG STD		SV8029.d	18-JUN-2002 18:18	1.000	tls	
DEG STD		SV8030.d	19-JUN-2002 10:24	1.000	tnt	
IND A III		SV8031.d	19-JUN-2002 14:16	1.000	tnt	
IND B III		SV8032.d	19-JUN-2002 11:23	1.000	tnt	
AR 1016/1260 III		SV8033.d	19-JUN-2002 15:45	1.000	tnt	
43679		SV8034.d	19-JUN-2002 18:15	1.000	tnt	
43680		SV8035.d	19-JUN-2002 18:44	1.000	tnt	
20206041001		SV8036.d	19-JUN-2002 19:14	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/25/2002
Instrument: gcsv8.i
Method File: /var/chem/gcsv8.i/2020617.b/pest2.m
Batch: /var/chem/gcsv8.i/2020617.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
20206041002		SV8037.d	19-JUN-2002 19:44	5.000	tnt	
20206041003		SV8038.d	19-JUN-2002 20:13	1.000	tnt	
20206041004		SV8039.d	19-JUN-2002 20:43	1.000	tnt	
20206041005		SV8040.d	19-JUN-2002 21:12	1.000	tnt	
20206041008		SV8041.d	19-JUN-2002 21:42	10.000	tnt	
20206041009		SV8042.d	19-JUN-2002 22:12	10.000	tnt	
20206041010		SV8043.d	19-JUN-2002 22:41	1.000	tnt	
HEXANE		SV8044.d	19-JUN-2002 23:11	1.000	tnt	
AR 1016/1260 III		SV8045.d	19-JUN-2002 23:40	1.000	tnt	
AR 1016/1260 III		SV8046.d	20-JUN-2002 00:10	1.000	tnt	
20206041011		SV8047.d	20-JUN-2002 00:40	1.000	tnt	
20206041012		SV8048.d	20-JUN-2002 01:09	1.000	tnt	
20206041013		SV8049.d	20-JUN-2002 01:39	1.000	tnt	
20206041014		SV8050.d	20-JUN-2002 02:08	1.000	tnt	
20206041015		SV8051.d	20-JUN-2002 02:38	5.000	tnt	
HEXANE		SV8052.d	20-JUN-2002 03:08	1.000	tnt	
AR 1016/1260 III		SV8053.d	20-JUN-2002 03:38	1.000	tnt	
AR 1016/1260 III		SV8054.d	20-JUN-2002 04:07	1.000	tnt	
DEG STD		SV8055.d	20-JUN-2002 09:18	1.000	tnt	
IND A III		SV8056.d	20-JUN-2002 09:48	1.000	tnt	
IND B III		SV8057.d	20-JUN-2002 10:17	1.000	tnt	
AR 1016/1260 III		SV8058.d	20-JUN-2002 10:47	1.000	tnt	
46415		SV8059.d	20-JUN-2002 12:40	1.000	tnt	
46416		SV8060.d	20-JUN-2002 13:09	1.000	tnt	
20206200201		SV8061.d	20-JUN-2002 13:39	1.000	tnt	
20206200201MS		SV8062.d	20-JUN-2002 14:08	1.000	tnt	
20206200201MSD		SV8063.d	20-JUN-2002 14:38	1.000	tnt	
20206200202		SV8064.d	20-JUN-2002 15:08	1.000	tnt	
IND A III		SV8065.d	20-JUN-2002 15:37	1.000	tnt	
DEG STD		SV8066.d	20-JUN-2002 18:29	1.000	tnt	
45781		SV8067.d	20-JUN-2002 18:59	1.000	tnt	
45782		SV8068.d	20-JUN-2002 19:28	1.000	tnt	
45783		SV8069.d	20-JUN-2002 19:58	1.000	tnt	
TBLK		SV8070.d	20-JUN-2002 20:27	1.000	tnt	
20206141201		SV8071.d	20-JUN-2002 20:57	1.000	tnt	
46505		SV8072.d	20-JUN-2002 21:27	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/25/2002
Instrument: gcsv8.i
Method File: /var/chem/gcsv8.i/2020617.b/pest2.m
Batch: /var/chem/gcsv8.i/2020617.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
46506		SV8073.d	20-JUN-2002 21:56	1.000	tnt	
TBLK		SV8074.d	20-JUN-2002 22:26	1.000	tnt	
20206181201		SV8075.d	20-JUN-2002 22:56	1.000	tnt	
TBLK		SV8076.d	20-JUN-2002 23:25	1.000	tnt	
IND B III		SV8077.d	20-JUN-2002 23:55	1.000	tnt	
IND B III		SV8078.d	21-JUN-2002 00:24	1.000	tnt	
20206190301		SV8079.d	21-JUN-2002 00:54	1.000	tnt	
46507		SV8080.d	21-JUN-2002 01:24	1.000	tnt	
46508		SV8081.d	21-JUN-2002 01:53	1.000	tnt	
IND A III		SV8082.d	21-JUN-2002 02:23	1.000	tnt	
IND A III		SV8083.d	21-JUN-2002 02:52	1.000	tnt	
DEG STD		SV8084.d	21-JUN-2002 10:14	1.000	tnt	
IND A III		SV8085.d	21-JUN-2002 10:44	1.000	tnt	
IND B III		SV8086.d	21-JUN-2002 11:13	1.000	tnt	
46415		SV8087.d	21-JUN-2002 11:58	1.000	tnt	
46416		SV8088.d	21-JUN-2002 12:28	1.000	tnt	
20206200201		SV8089.d	21-JUN-2002 12:58	1.000	tnt	
46417		SV8090.d	21-JUN-2002 13:27	1.000	tnt	
46418		SV8091.d	21-JUN-2002 13:57	1.000	tnt	
20206200202		SV8092.d	21-JUN-2002 14:27	1.000	tnt	
IND A III		SV8093.d	21-JUN-2002 14:56	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
IND A ICU	S8-3-1	4.8796 S/10	Supelco	LA-98040 5/2004	0.6mL	50mL	60/120 ppb	Hexane BL110	TLS	5/30/02	11/30/02
Glycol STD (Fish)	S8-3-2	Neat Neat	Aldrich Aldrich	~~SS 03057 PR~~ 04761DZ INT 6/3/02 LU07323DU	0.25g 0.25g	25mls 25mls	10,000ppm	DI Water	TNT	5/30/02	5/30/03
IND A I	S8-3-3	clp 216 S/10ppb	ultra	P-7012 10/2003	50uL	50mLs	S/10 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A II	S8-3-4	clp 216 S/10 ppb	ultra	P-7012 10/2003	200uL	50mLs	20/40 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A IV	S8-3-5	clp 216 S/10ppb	ultra	P-7012 10/2003	800uL	50mLs	80/160 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A V	S8-3-6	clp 216 S/10ppb	ultra	P-7012 10-2003	1.0mL	50mLs	100/200 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND B I	S8-3-7	clp 226B S/10ppm	ultra	S-0470 5/2003	50uL	50mLs	S/10 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B II	S8-3-8	clp 226B S/10 ppm	ultra	S-0470 5/2003	200uL	50mLs	20/40 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B IV	S8-3-9	clp 226B S/10 ppm	ultra	S-0470 5-2003	800uL	50mLs	80/160 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B V	S8-3-10	clp 226B S/10ppm	ultra	S-0470 5-2003	1.0mL	50mLs	100/200 ppb	Hexane 024497	TLS	5/31/02	11-31-02

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ex mix Spike	58-2-1	100ug/mL	NSI	11/01 01 11/02	1.0mL	10mL	10,000ppb	Hexane BL110	TLS	4-15-02	10-15-02
Cnd A III	58-2-2	5/10 ppm Clp 216	ultra	P 7012 10/2003	600uL	50mL	60/120 ppm	Hexane BL110	TLS	4-23-02	10-23-02
Date 3/25/02 - 4/23/02 Reviewed by QA/QC on 4/23/02 (one)											
VOCASI 99.01 STD.	58-2-3	NEAT (meOH) NEAT (Acetaldehyde) NEAT (2-butanol) NEAT (Propion.)	Aldrich Aldrich Aldrich Aldrich	HO 0124 HO 07348 KI ED183 86 EO 80K 3728	0.64 mls 64 uL 62 uL 62 uL	50ml	16,000 ppm 1000 ppm 1000 ppm 1000 ppm	DI WATER	TNT	5/1/02	6/1/03
016/1260 V	58-2-4	100ug-1016 100ug-1260 200-Post Surrogate	ultra	S-1072 9/2005 S-6793 7/2005 S-0624 6/2004	800uL 800uL 40uL	50mL	160/1600 ppb	Hexane BL110	TLS	5/9/02	11-9-02 TLS
Acetone	58-2-5	Neat	Fisher	972630	0.1g	10ml	10,000ppm	CS2	TNT	5/9/02	5/9/03
CND B III	58-2-6	5/10ppm	ultra Clp-226B	S-0470 5/2003	600uL	50mL	60/120 ppb	Hexane BL110	TLS	5/14/02	11-14-02
TX 1005	58-2-7	Neat GAS Neat Diesel	Circle K Texaco	NA	0.1g 0.1g	10ml	10,000ppm ~~007516~~ TNT 5/21/02	DCM 007516	TNT	5/21/02	5/21/03

000433

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
PRO Standard 150ppm	51-50-1	See 51-49-8	—	—	75ml 150ml 25ml	1.0ml	150 ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 250 ppm	51-50-2	See 51-49-8	—	—	125ml 150ml 25ml	1.0ml	250 ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 350ppm	51-50-3	See 51-49-8	—	—	175ml 150ml 25ml	1.0ml	350 ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 500ppm	51-50-4	See 51-49-8	—	—	250 ml 150 ml 25 ml	1.0 ml	500 ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
IND A III	51-50-5	5/10ppm CIP 216	ultrA	P-7012 10/2003	600ul	50mL	60/120 ppb	Hexane	TLS	02/14/02	08/14/02
IND B III	51-50-6	5/10ppm	ultrA CIP226B	S-0470 5/2003	3-19-02 TLS ~~400ul~~ 600ul	50mL	60/120 ppb	Hexane	TLS	3/19/02	9/19/02
Chlor II	51-50-7	1000ug/mL	ultrA PP-151	P-1507 11-2003	200ul	50mL	400 ppb	Hexane	TLS	3/19/02	9/19/02
TOX II	51-50-8	1000ug/mL	ultrA EPA1161	M-0169 2-2004	250ul	50 mL	5000ppb	Hexane	TLS	3/19/02	9-19-02
				3-20 TLS							
				3-20 TLS							

Dates 3/13/02 – 3/19/02 Reviewed By [illegible] on 3/25/02 [illegible]

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
meoH	51-49-1	Neat	mallinckrodt	V073	0.25gm	25mL	10,000 ppm	Di H2O	TLS	01/22/02	07/22/02
DEG Standard	51-49-2	0.2ug/mL	Accu Standard	B011043b NOV29,2002	40ul	100 mL	80ppb	Hexane	TLS	02/18/02	08/02/02
1016/1260 III	51-49-3	100ug/mL 100ug/mL 200ug/mL	ultra 1016 " 1260 ultra pest-Surrogate	S-1672 9/2005 S-0793 7/2005 S-0624 6/2004	400ul 400ul 20ul	100mL	40/400 ppb	Hexane	TLS	02/18/02	08/18/02
methanol ~~ESS~~ TNT 2/25/02	51-49-4	Neat	Aldrich	HO D247110	0.1gm.	100mL	1,000 ppm	Di H2O	TLS	02/18/02	08/18/02
Internal standard meoH for Cyclohexanol	51-49-5	Neat	Aldrich	DO 16206CO	0.3gm	100mL	3,000ppm	Di H2O	TLS	02/18/02	08/18/02
Data	1/22/02 — 2/18/02			Reviewed	By QA/QC		on 2/21/02				
TPP	51-49-6 500ug/mL	PPS-110 Triphenyl Phosphine Solution	ultra	m-428B 1/2003	500ul	50mL	5000ppb	Hexane	TLS	2/21/02	8/21/02
PHENOL MIX	51-49-7	EPA-1155 500ug/ml ATS-180 2000ug/ml PH-150 1000ug/ml	ultra ultra ultra	M-1513 11/02 A0737 8/03 P-0108 2/03	0.4ml 1.0ml 2.0ml	10ml	200ppm	DCM	TNT	3/7/02	9/7/02
PRO Standard 5 ppm	51-49-8	C-443-09 2000ug/ml T-0130 2000ug/ml P-1550 2000ug/ml	NSI ultra ultra	10/03 02/07 11/03	2.5ml 150ul 25ul	1.0ml	5ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 50ppm	51-49-9	See 51-49-8	—	—	25ul 150ul 25ul	1.0ml	50 ppm 300ppm 50 ppm	DCM	SAB	02/13/02	08/13/02

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	46601	96								0
02	46602	124								0
03	46603	104								0
04	RB-S-0619	71								0
05	RB-S-0619MS	67								0
06	RB-S-0619MSD	70								0
07	46789	96								0
08	46790	90								0
09	46791	90								0
10	BF-S-0619	49								0
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

S1 = DCAA QC LIMITS (37-140)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

LCSD LAB ID: 46671 | ORIGINAL LAB ID: | PREP BATCH: 145851
MATRIX Solid | ANALYTICAL BATCH: 146073

SW-846 8082

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
12674-11-2	Aroclor-1016	133 ug/Kg	116	87	60 - 127	1	0 - 40
11096-82-5	Aroclor-1260	133 ug/Kg	126	95	61 - 132	1	0 - 40

LCS ID: 46602 | ORIGINAL LAB ID: | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	60.4	91	10 - 126
93-76-5	2,4,5-T	66.7 ug/Kg	66.8	100	32 - 130
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	70.6	106	34 - 124

LCSD LAB ID: 46603 | ORIGINAL LAB ID: | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	51	77	10 - 126	17	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	59.1	89	32 - 130	12	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	63.9	96	34 - 124	10	0 - 40

MS LAB ID: 46604 | ORIGINAL LAB ID: 20206200202 | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	66.7 ug/Kg	36.9	55	10 - 126
93-76-5	2,4,5-T	0	66.7 ug/Kg	52.2	78	32 - 130
93-72-1	2,4,5-TP (Silvex)	0	66.7 ug/Kg	52.2	78	34 - 124

MSD LAB ID: 46605 | ORIGINAL LAB ID: 20206200202 | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	38.3	57	10 - 126	4	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	55.5	83	32 - 130	6	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	56.4	85	34 - 124	9	0 - 40

MS LAB ID: 20206212806 | ORIGINAL LAB ID: 20206212805 | PREP BATCH: 146100
MATRIX Solid | ANALYTICAL BATCH: 146136

SW-846 8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS

QUALITY CONTROL SUMMARY

94-75-7	2,4'-D	0	66.7 ug/Kg	65.9	99	10 - 126
93-76-5	2,4,5-T	0	66.7 ug/Kg	61.4	92	32 - 130
93-72-1	2,4,5-TP (Silvex)	0	66.7 ug/Kg	47.2	71	34 - 124

MSD LAB ID: 20206212807 ORIGINAL LAB ID: 20206212805 PREP BATCH: 146100
MATRIX Solid ANALYTICAL BATCH: 146136

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	68.7	103	10 - 126	4	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	53.9	81	32 - 130	13	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	46.9	70	34 - 124	1	0 - 40

LCS ID: 46790 ORIGINAL LAB ID: PREP BATCH: 146100
MATRIX Solid ANALYTICAL BATCH: 146136

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	52	78	10 - 126
93-76-5	2,4,5-T	66.7 ug/Kg	63	95	32 - 130
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	64.5	97	34 - 124

LCSD LAB ID: 46791 ORIGINAL LAB ID: PREP BATCH: 146100
MATRIX Solid ANALYTICAL BATCH: 146136

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	51.6	77	10 - 126	1	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	67.6	101	32 - 130	6	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	69.2	104	34 - 124	7	0 - 40

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46601

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: SV6011 Lab Sample ID: 46601

Instrument ID: GCSV6 Date Extracted: 06/20/02

Matrix: (soil/water) SOIL Date Analyzed: 06/21/02

Level:(low/med) LOW Time Analyzed: 1128

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46602	46602	SV6012	06/21/02
02	46603	46603	SV6013	06/21/02
03	RB-S-0619	20206200202	SV6015	06/21/02
04	RB-S-0619MS	46604	SV6016	06/21/02
05	RB-S-0619MSD	46605	SV6017	06/21/02
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46789

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: SV6002 Lab Sample ID: 46789

Instrument ID: GCSV6 Date Extracted: 06/21/02

Matrix: (soil/water) SOIL Date Analyzed: 06/22/02

Level:(low/med) LOW Time Analyzed: 1716

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46790	46790	SV6003	06/22/02
02	46791	46791	SV6004	06/22/02
03	BF-S-0619	20206200201	SV6005	06/22/02
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8151A, Herbicides, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 17:00	146100	3540C	1	06/22/2002 18:37	TNT	146136

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
94-75-7	2,4'-D	ND	194	16.1	ug/Kg
93-76-5	2,4,5-T	ND	19.7	11.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	ND	19.7	17.9	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
19719-28-9	DCAA	133	65.5 ug/Kg	49	37 - 140

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv6.i/2020622.b/SV6005.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6005.d
Lab Smp Id: 20206200201 Client Smp ID: BF-S-0619
Inj Date : 22-JUN-2002 18:37
Operator : tnt Inst ID: gcsv6.i
Smp Info : 20206200201-1.0-GCSV~1777~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

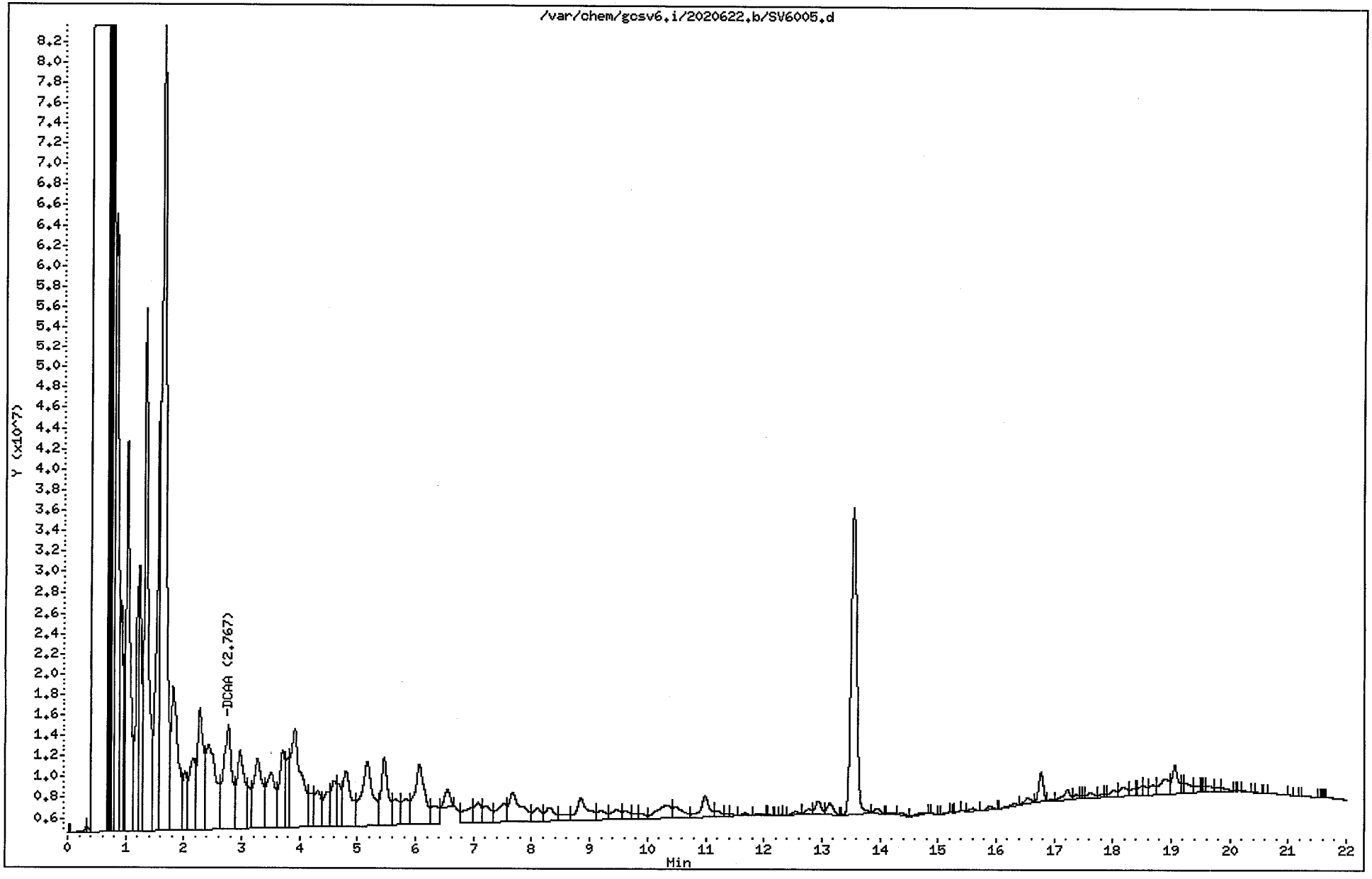
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.767	2.780	-0.013	97242278	196.389	65.5

Data File: /var/chem/gcsv6.i/2020622.b/SV6005.d
Date : 22-JUN-2002 18:37
Client ID: BF-S-0619
Sample Info: 20206200201-1.0-GCSV^1777^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53



0004413

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8151A, Herbicides, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 13:16	SAB	146074

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
94-75-7	2,4'-D	ND	183	15.2	ug/Kg
93-76-5	2,4,5-T	ND	18.6	11.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	ND	18.6	16.9	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
19719-28-9	DCAA	133	95 ug/Kg	71	37 - 140

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv6.i/2020620.b/SV6015.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6015.d
Lab Smp Id: 20206200202 Client Smp ID: RB-S-0619
Inj Date : 21-JUN-2002 13:16
Operator : tnt Inst ID: gcsv6.i
Smp Info : 20206200202-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

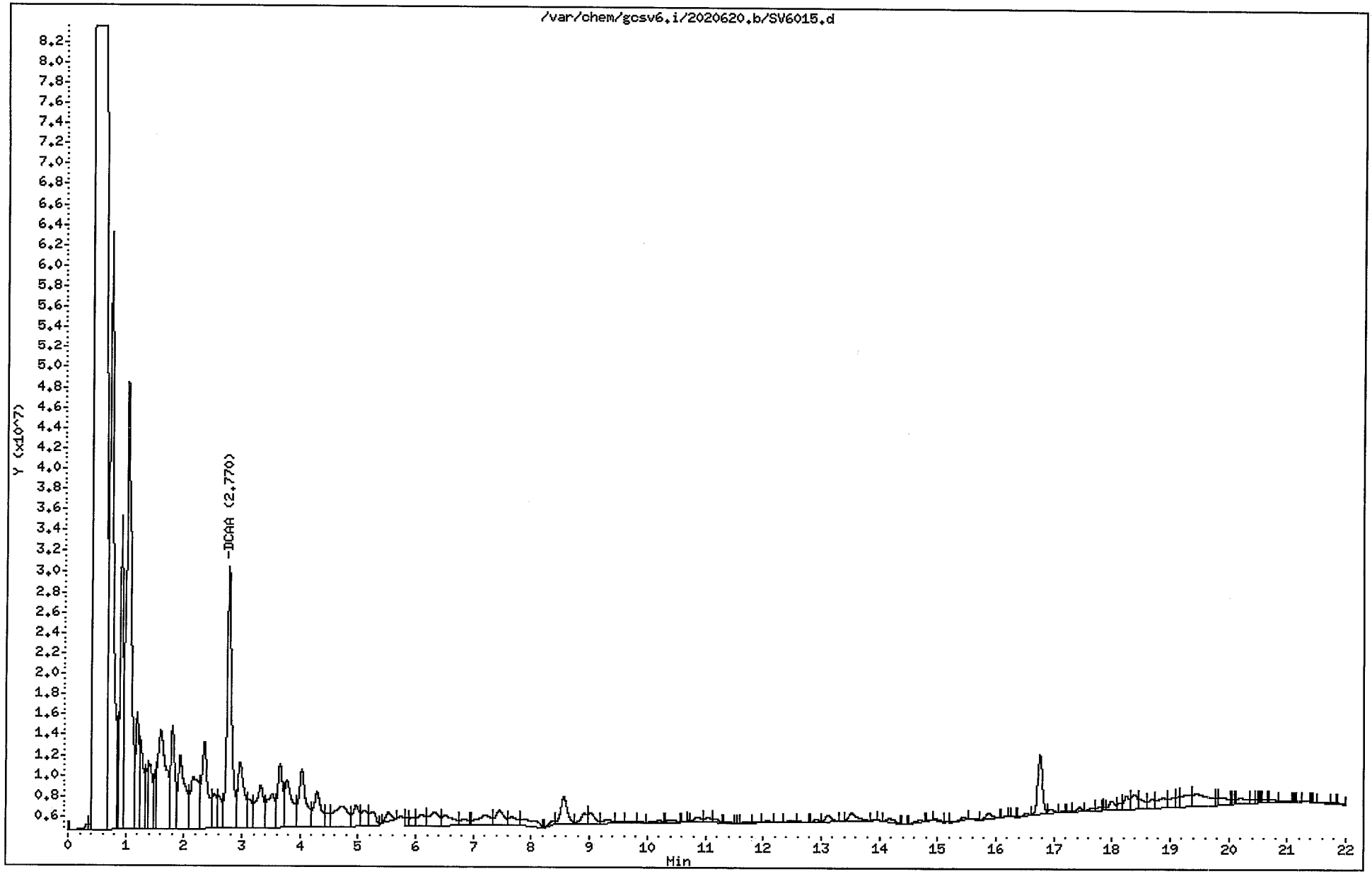
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 2 DCAA	2.770	2.780	-0.010	141113243	284.990	95.0

Data File: /var/chem/gcsv6.i/2020620.b/SV6015.d
Date : 21-JUN-2002 13:16
Client ID: RB-S-0619
Sample Info: 20206200202-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

000446



Report Date : 26-Jun-2002 10:46

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 10-JUN-2002 11:05
End Cal Date : 10-JUN-2002 13:19
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv6.i/2020620.b/M8151.m
Cal Date : 26-Jun-2002 10:45 sab
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv6.i/2020610.b/SV6001.d
Level 2: /var/chem/gcsv6.i/2020610.b/SV6002.d
Level 3: /var/chem/gcsv6.i/2020610.b/SV6003.d
Level 4: /var/chem/gcsv6.i/2020610.b/SV6004.d
Level 5: /var/chem/gcsv6.i/2020610.b/SV6005.d
Level 6: /var/chem/gcsv6.i/2020610.b/SV6006.d

Compound	6.250 Level 1	12.500 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD
7 2,4-D	591079	523433	467805	474523	420623	360097	472927	16.917
8 2,4,5-TP	1765678	1723352	1563627	1602832	1452795	1272198	1563414	11.622
9 2,4,5-T	1535994	1534066	1388072	1470004	1352384	1202333	1413809	9.042
$ 2 DCAA	610818	575948	513462	488126	440540	342017	495152	19.523

Report Date : 26-Jun-2002 10:46

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 10-JUN-2002 11:05
End Cal Date	: 10-JUN-2002 13:19
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv6.i/2020620.b/M8151.m
Cal Date	: 26-Jun-2002 10:45 sab
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 14.2761850                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv6.i/2020610.b/SV6001.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6001.d
Lab Smp Id: 6.25 PPB HERB Client Smp ID: 6.25 PPB HERB
Inj Date : 10-JUN-2002 11:05
Operator : tls Inst ID: gcsv6.i
Smp Info : 6.25 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 11:05 Cal File: SV6001.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

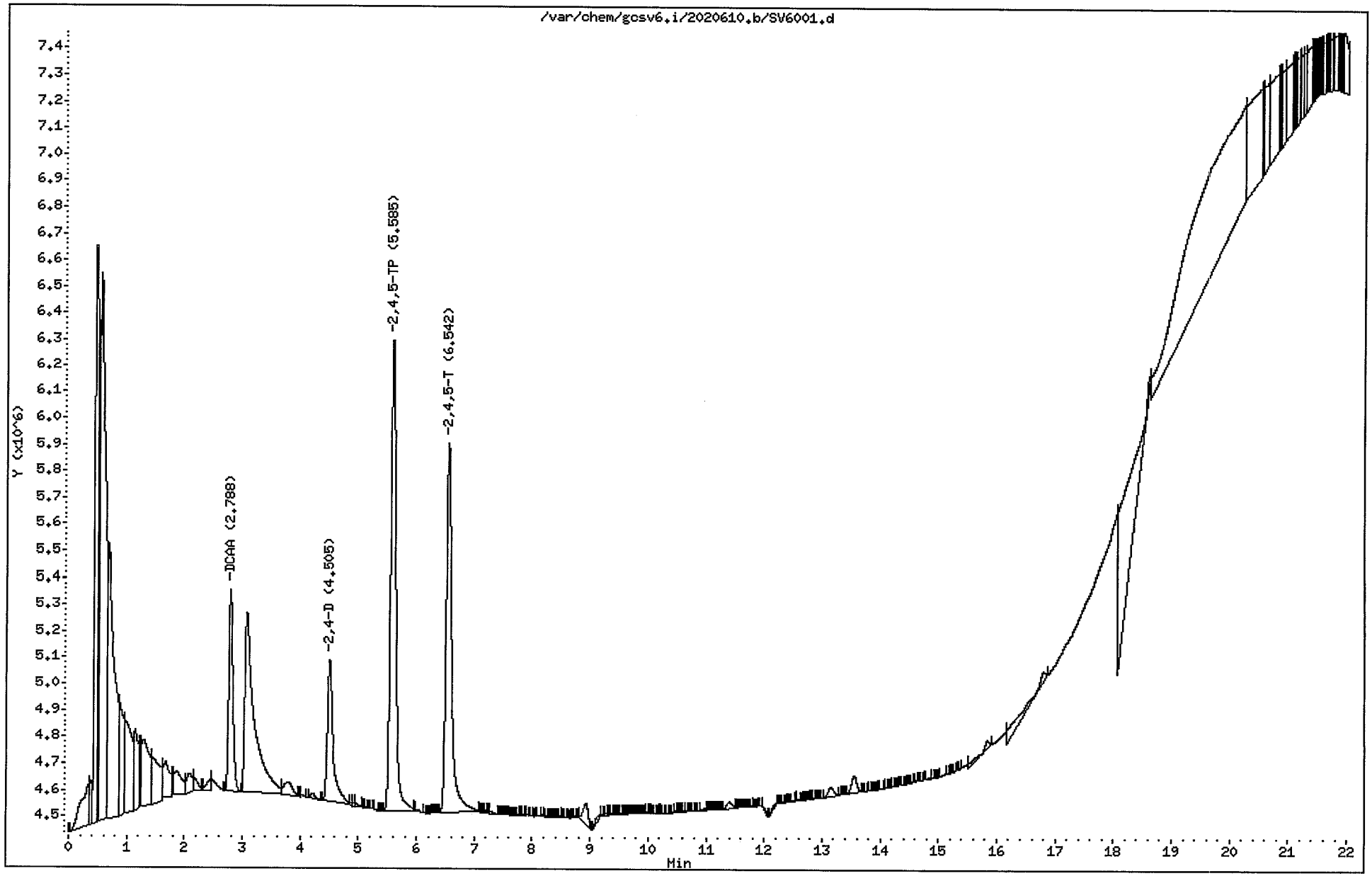
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.788	2.780	0.008	3817614	6.25000	7.71
7 2,4-D	4.505	4.493	0.012	3694243	6.25000	7.81
8 2,4,5-TP	5.585	5.575	0.010	11035490	6.25000	7.06
9 2,4,5-T	6.542	6.530	0.012	9599961	6.25000	6.79

Data File: /var/chem/gcsv6.i/2020610.b/SV6001.d
Date : 10-JUN-2002 11:05
Client ID: 6.25 PPB HERB
Sample Info: 6.25 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53

000450



Data File: /var/chem/gcsv6.i/2020610.b/SV6002.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6002.d
Lab Smp Id: 12.5 PPB HERB Client Smp ID: 12.5 PPB HERB
Inj Date : 10-JUN-2002 11:32
Operator : tls Inst ID: gcsv6.i
Smp Info : 12.5 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 11:32 Cal File: SV6002.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

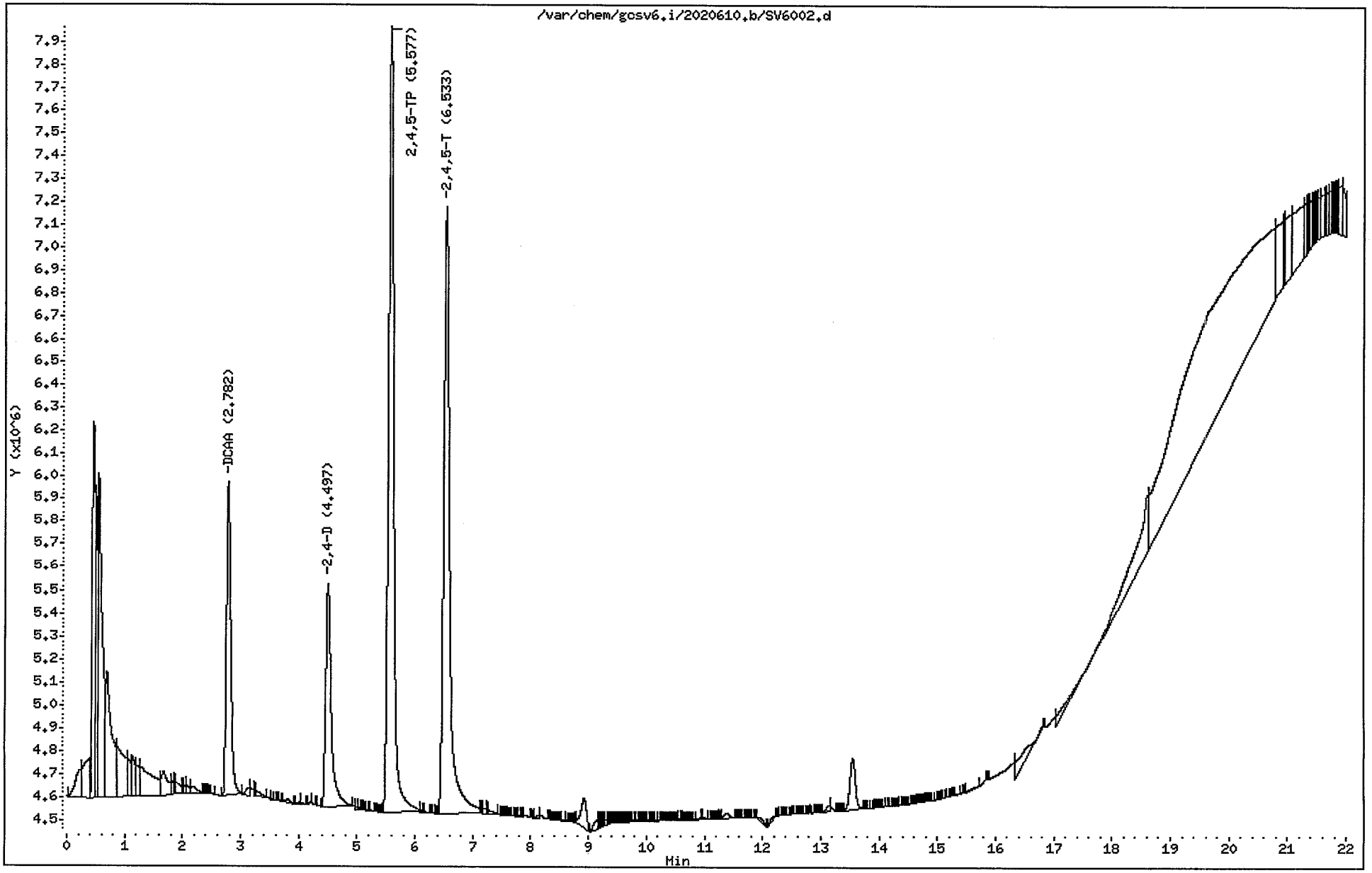
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.782	2.780	0.002	7199348	12.5000	14.5
7 2,4-D	4.497	4.493	0.004	6542916	12.5000	13.8
8 2,4,5-TP	5.577	5.575	0.002	21541902	12.5000	13.8
9 2,4,5-T	6.533	6.530	0.003	19175820	12.5000	13.6

Data File: /var/chem/gcsv6.i/2020610.b/SV6002.d
Date : 10-JUN-2002 11:32
Client ID: 12.5 PPB HERB
Sample Info: 12.5 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53



Data File: /var/chem/gcsv6.i/2020610.b/SV6003.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6003.d
Lab Smp Id: 25 PPB HERB Client Smp ID: 25 PPB HERB
Inj Date : 10-JUN-2002 11:59
Operator : tls Inst ID: gcsv6.i
Smp Info : 25 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 11:59 Cal File: SV6003.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

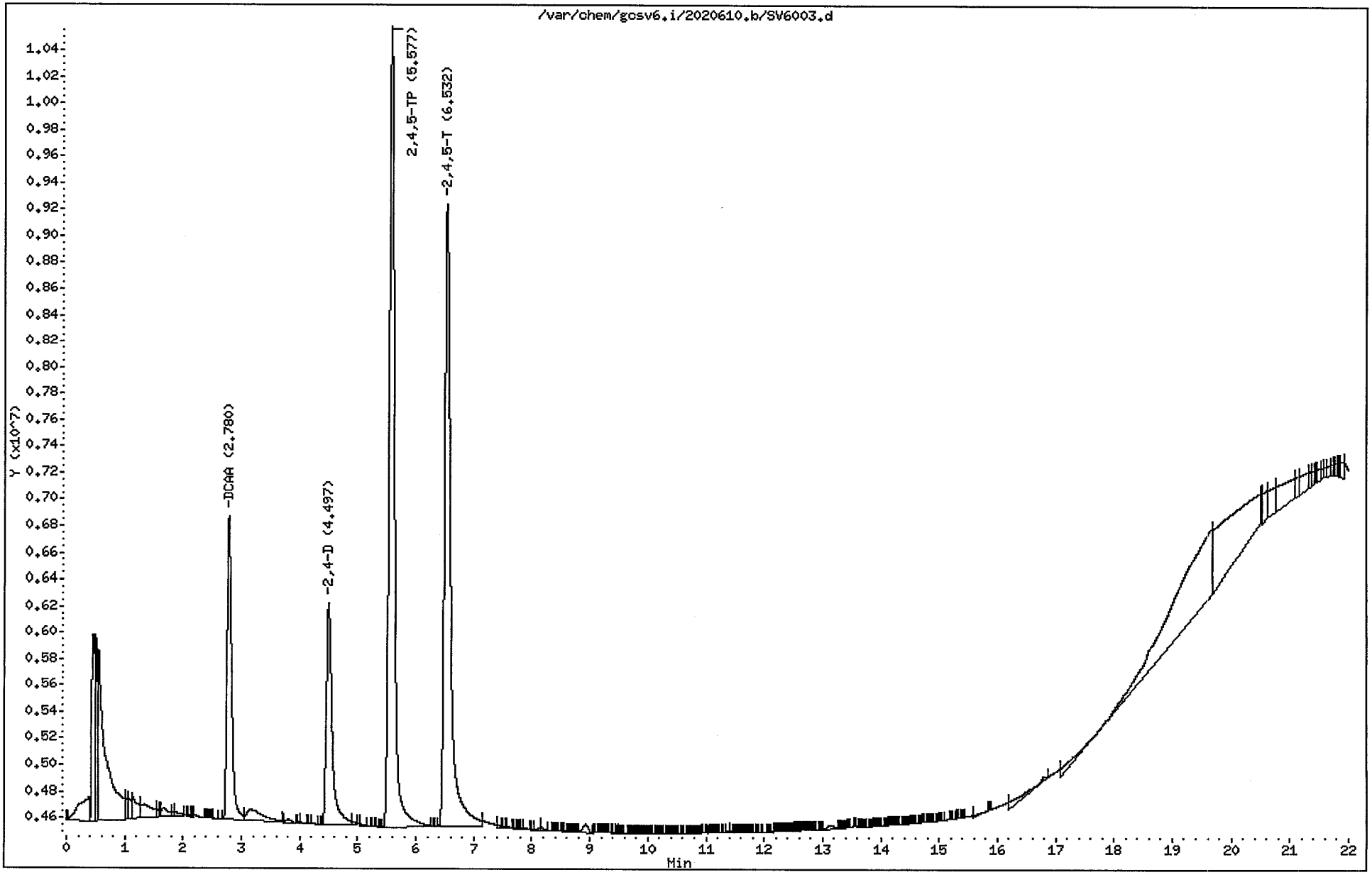
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.780	2.780	0.000	12836552	25.0000	25.9
7 2,4-D	4.497	4.493	0.004	11695117	25.0000	24.7
8 2,4,5-TP	5.577	5.575	0.002	39090664	25.0000	25.0
9 2,4,5-T	6.532	6.530	0.002	34701788	25.0000	24.5

Data File: /var/chem/gcsv6.i/2020610.b/SV6003.d
Date : 10-JUN-2002 11:59
Client ID: 25 PPB HERB
Sample Info: 25 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53

000454



Data File: /var/chem/gcsv6.i/2020610.b/SV6004.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6004.d
Lab Smp Id: 50 PPB HERB Client Smp ID: 50 PPB HERB
Inj Date : 10-JUN-2002 12:25
Operator : tls Inst ID: gcsv6.i
Smp Info : 50 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 12:25 Cal File: SV6004.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

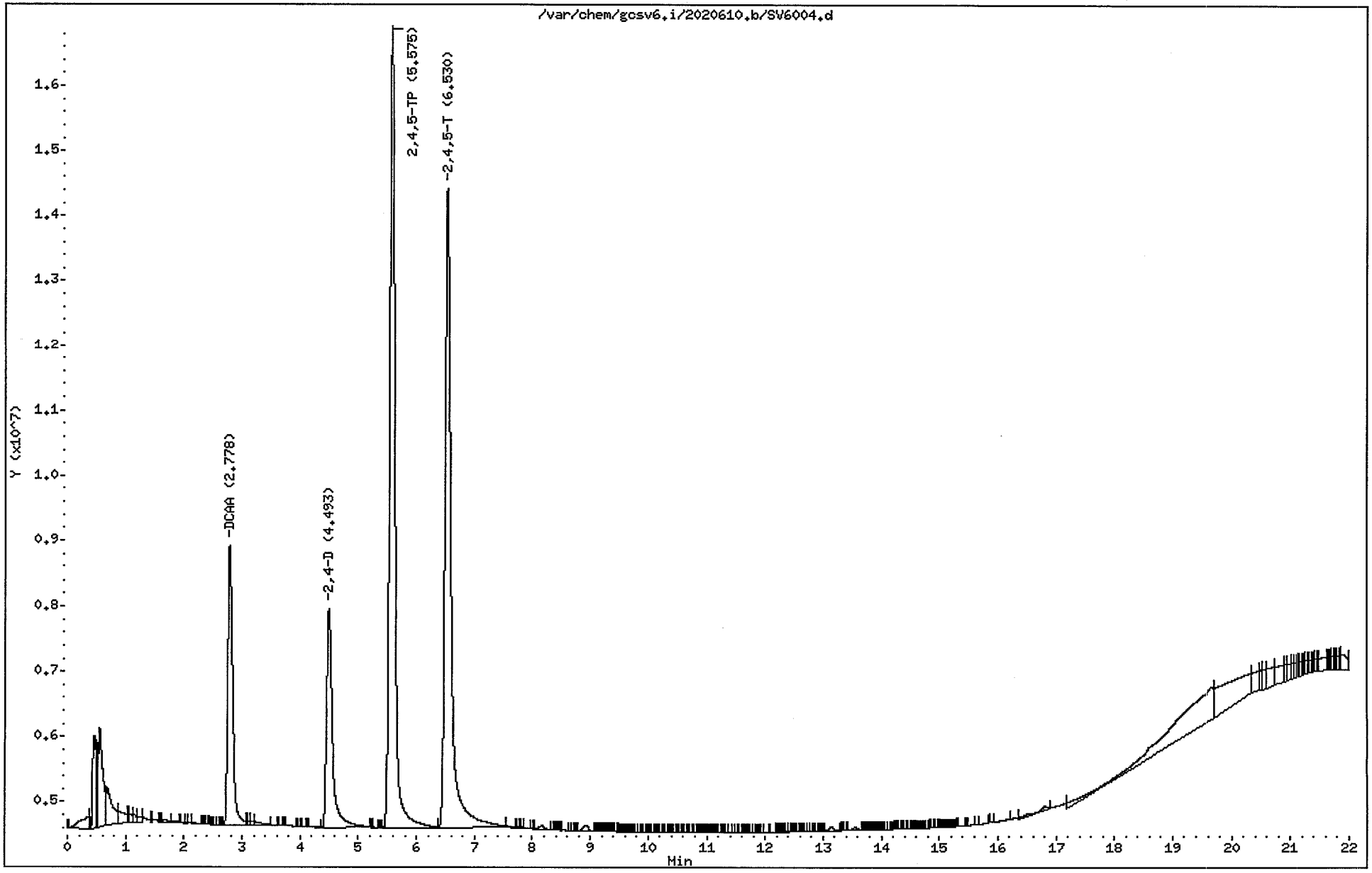
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.778	2.780	-0.002	24406296	50.0000	49.3
7 2,4-D	4.493	4.494	-0.001	23726146	50.0000	50.2
8 2,4,5-TP	5.575	5.575	0.000	80141607	50.0000	51.3
9 2,4,5-T	6.530	6.530	0.000	73500206	50.0000	52.0

Data File: /var/chem/gcsv6.i/2020610.b/SV6004.d
Date : 10-JUN-2002 12:25
Client ID: 50 PPB HERB
Sample Info: 50 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53



000456

Data File: /var/chem/gcsv6.i/2020610.b/SV6005.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6005.d
Lab Smp Id: 100 PPB HERB Client Smp ID: 100 PPB HERB
Inj Date : 10-JUN-2002 12:52
Operator : tls Inst ID: gcsv6.i
Smp Info : 100 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 12:52 Cal File: SV6005.d
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

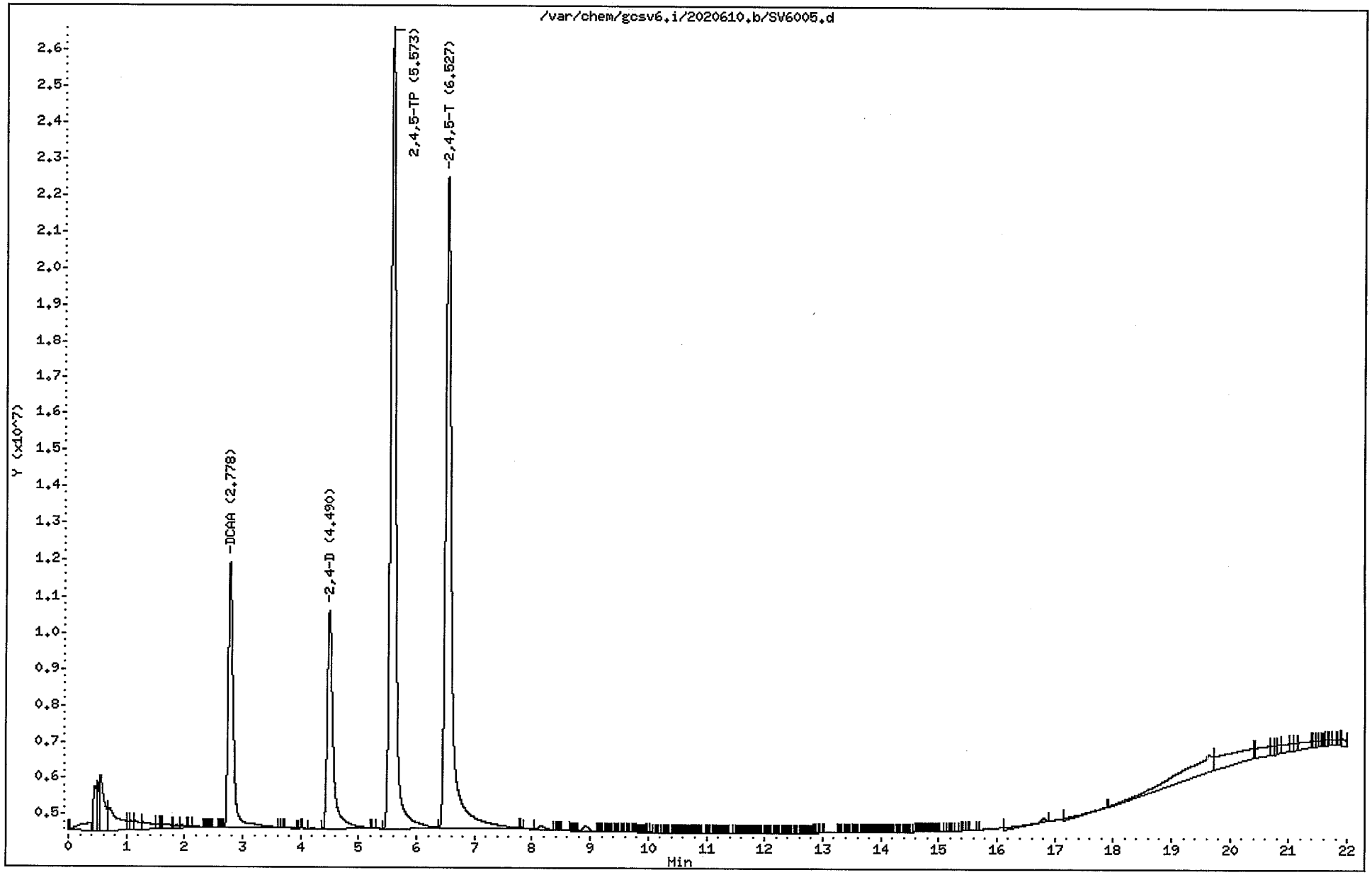
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.778	2.780	-0.002	44054017	100.000	89.0
7 2,4-D	4.490	4.494	-0.004	42062283	100.000	88.9
8 2,4,5-TP	5.573	5.575	-0.002	145279485	100.000	92.9
9 2,4,5-T	6.527	6.530	-0.003	135238378	100.000	95.6

Data File: /var/chem/gcsv6.i/2020610.b/SV6005.d
Date : 10-JUN-2002 12:52
Client ID: 100 PPB HERB
Sample Info: 100 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53



000458

Data File: /var/chem/gcsv6.i/2020610.b/SV6006.d
Report Date: 26-Jun-2002 10:48

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6006.d
Lab Smp Id: 200 PPB HERB Client Smp ID: 200 PPB HERB
Inj Date : 10-JUN-2002 13:19
Operator : tls Inst ID: gcsv6.i
Smp Info : 200 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 26-Jun-2002 10:48 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

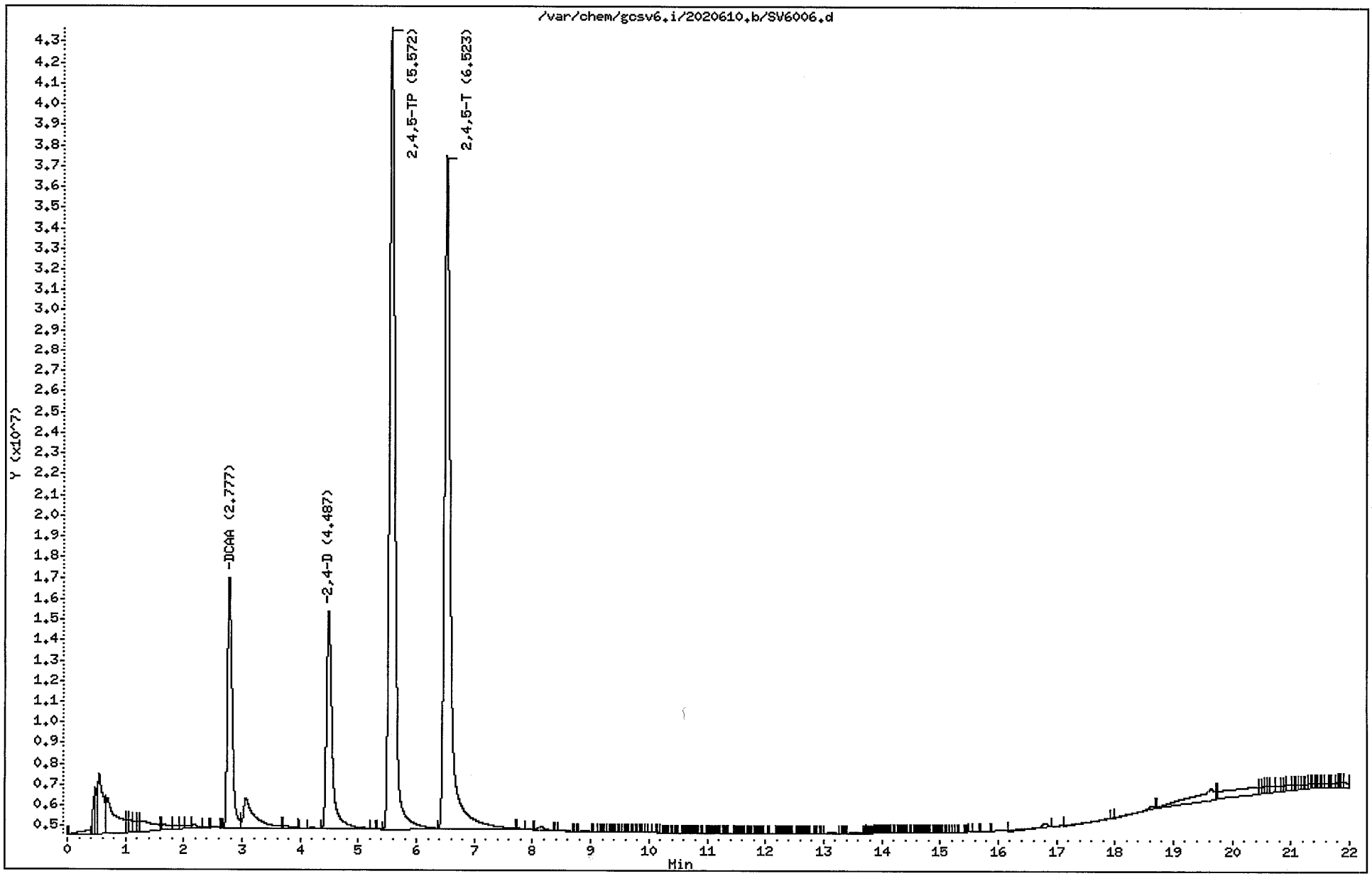
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.777	2.780	-0.003	68403391	200.000	138
7 2,4-D	4.487	4.494	-0.007	72019454	200.000	152
8 2,4,5-TP	5.572	5.575	-0.003	254439548	200.000	163
9 2,4,5-T	6.523	6.530	-0.007	240466506	200.000	170

Data File: /var/chem/gcsv6.i/2020610.b/SV6006.d
Date : 10-JUN-2002 13:19
Client ID: 200 PPB HERB
Sample Info: 200 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53



000460

Data File: /var/chem/gcsv6.i/2020610.b/SV6007.d
Report Date: 10-Jun-2002 14:13

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i Injection Date: 10-JUN-2002 13:46
Lab File ID: SV6007.d Init. Cal. Date(s): 10-JUN-2002 10-JUN-2002
Analysis Type: WATER Init. Cal. Times: 11:05 13:19
Lab Sample ID: 50 PPB HERB ICV Quant Type: ESTD
Method: /var/chem/gcsv6.i/2020610.b/M8151.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
7 2,4-D	472927	439237	0.010	7.12373	15.00000	Averaged
8 2,4,5-TP	1563414	1551175	0.010	0.78282	15.00000	Averaged
9 2,4,5-T	1413809	1483430	0.010	-4.92441	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.27699
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020610.b/SV6007.d
Report Date: 10-Jun-2002 14:13

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020610.b/SV6007.d
Lab Smp Id: 50 PPB HERB ICV
Inj Date : 10-JUN-2002 13:46
Operator : tls Inst ID: gcsv6.i
Smp Info : 50 PPB HERB ICV
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020610.b/M8151.m
Meth Date : 10-Jun-2002 14:13 tls Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

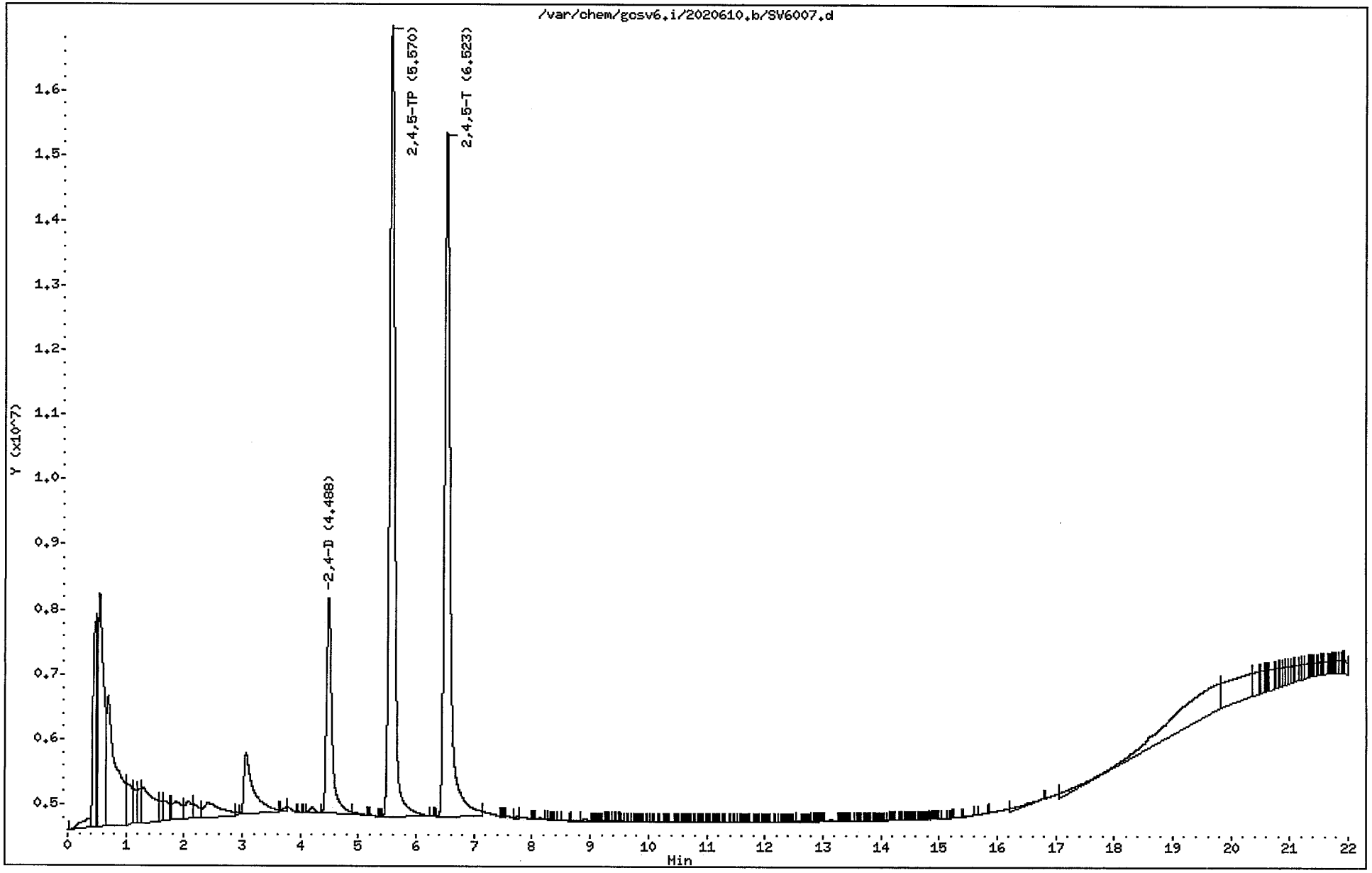
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
7 2,4-D	4.488	4.493	-0.005	21961831	50.0000	46.4
8 2,4,5-TP	5.570	5.575	-0.005	77558746	50.0000	49.6
9 2,4,5-T	6.523	6.529	-0.006	74171512	50.0000	52.5

Data File: /var/chem/gcsv6.i/2020610.b/SV6007.d
Date : 10-JUN-2002 13:46
Client ID:
Sample Info: 50 PPB HERB ICV
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53

000463



Data File: /var/chem/gcsv6.i/2020620.b/SV6010.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6010.d
Analysis Type: WATER
Lab Sample ID: 50 PPB HERB
Method: /var/chem/gcsv6.i/2020620.b/M8151.m

Injection Date: 21-JUN-2002 10:45
Init. Cal. Date(s): 10-JUN-2002 10-JUN-2002
Init. Cal. Times: 11:05 13:19
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 2 DCAA	495152	532370	0.010	-7.51653	15.00000	Averaged
7 2,4-D	472927	536265	0.010	-13.39284	15.00000	Averaged
8 2,4,5-TP	1563414	1699196	0.010	-8.68502	15.00000	Averaged
9 2,4,5-T	1413809	1510156	0.010	-6.81471	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 9.10227
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020620.b/SV6010.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6010.d
Lab Smp Id: 50 PPB HERB
Inj Date : 21-JUN-2002 10:45
Operator : tnt Inst ID: gcsv6.i
Smp Info : 50 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.782	2.780	0.002	26618506	50.0000	53.8
7 2,4-D	4.493	4.494	-0.001	26813247	50.0000	56.7
8 2,4,5-TP	5.578	5.576	0.002	84959819	50.0000	54.3(M)
9 2,4,5-T	6.532	6.530	0.002	75507777	50.0000	53.4(M)

QC Flag Legend

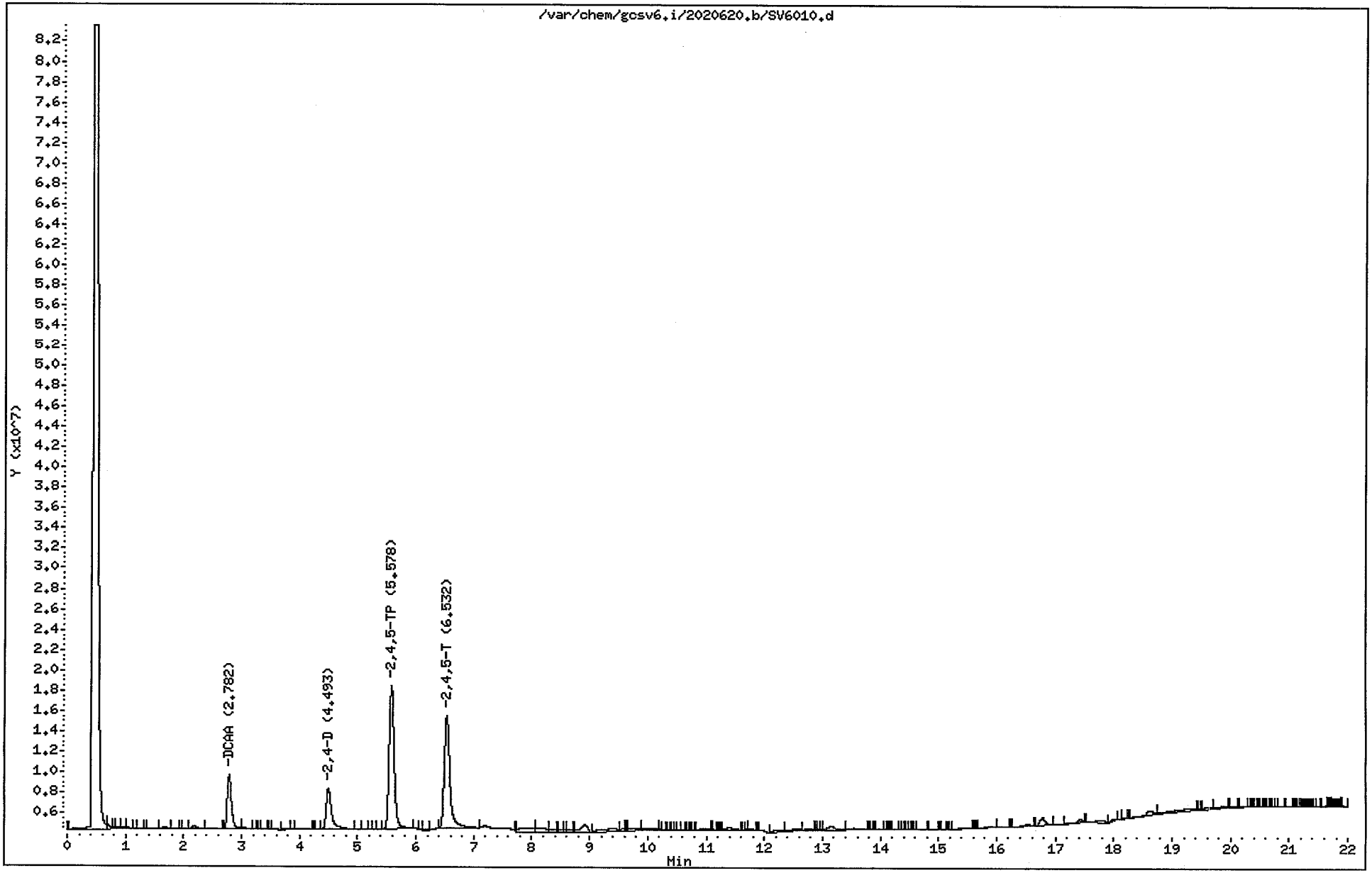
M - Compound response manually integrated.

Data File: /var/chem/gcsv6.i/2020620.b/SV6010.d
Date : 21-JUN-2002 10:45
Client ID:
Sample Info: 50 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

000466



Data File: /var/chem/gcsv6.i/2020620.b/SV6018.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6018.d
Analysis Type: WATER
Lab Sample ID: 50 PPB HERB
Method: /var/chem/gcsv6.i/2020620.b/M8151.m

Injection Date: 21-JUN-2002 14:36
Init. Cal. Date(s): 10-JUN-2002 10-JUN-2002
Init. Cal. Times: 11:05 13:19
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 2 DCAA	495152	502717	0.010	-1.52774	15.00000	Averaged	
7 2,4-D	472927	557717	0.010	-17.92889	15.00000	Averaged	<-
8 2,4,5-TP	1563414	1766842	0.010	-13.01181	15.00000	Averaged	
9 2,4,5-T	1413809	1701206	0.010	-20.32787	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 13.19908
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020620.b/SV6018.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6018.d
Lab Smp Id: 50 PPB HERB Client Smp ID: 50 PPB HERB
Inj Date : 21-JUN-2002 14:36
Operator : tnt Inst ID: gcsv6.i
Smp Info : 50 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

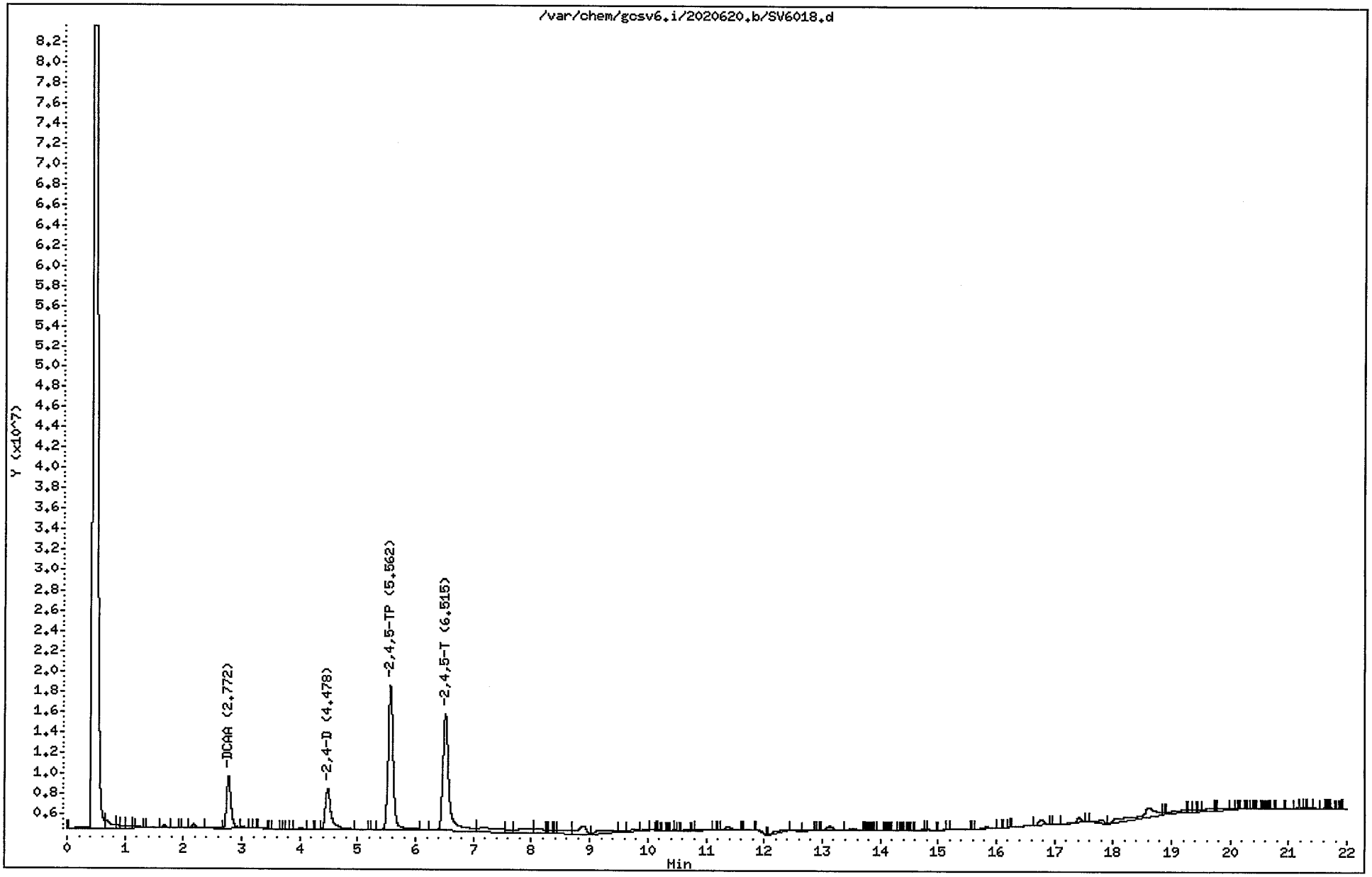
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.772	2.779	-0.007	25135826	50.0000	50.8
7 2,4-D	4.478	4.492	-0.014	27885856	50.0000	59.0
8 2,4,5-TP	5.562	5.574	-0.012	88342102	50.0000	56.5
9 2,4,5-T	6.515	6.528	-0.013	85060289	50.0000	60.2

Data File: /var/chem/gcsv6.i/2020620.b/SV6018.d
Date : 21-JUN-2002 14:36
Client ID: 50 PPB HERB
Sample Info: 50 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

000469



Data File: /var/chem/gcsv6.i/2020622.b/SV6001.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6001.d
Analysis Type: WATER
Lab Sample ID: 50 PPB HERB
Method: /var/chem/gcsv6.i/2020622.b/M8151.m

Injection Date: 22-JUN-2002 11:36
Init. Cal. Date(s): 10-JUN-2002 10-JUN-2002
Init. Cal. Times: 11:05 13:19
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 2 DCAA	495152	575438	0.010	-16.21444	15.00000	Averaged	<-
7 2,4-D	472927	537793	0.010	-13.71585	15.00000	Averaged	
8 2,4,5-TP	1563414	1762525	0.010	-12.73565	15.00000	Averaged	
9 2,4,5-T	1413809	1588993	0.010	-12.39096	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 13.76423
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020622.b/SV6001.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6001.d
Lab Smp Id: 50 PPB HERB
Client Smp ID: 50 PPB HERB
Inj Date : 22-JUN-2002 11:36
Operator : tls
Inst ID: gcsv6.i
Smp Info : 50 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab
Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19
Cal File: SV6006.d
Als bottle: 1
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

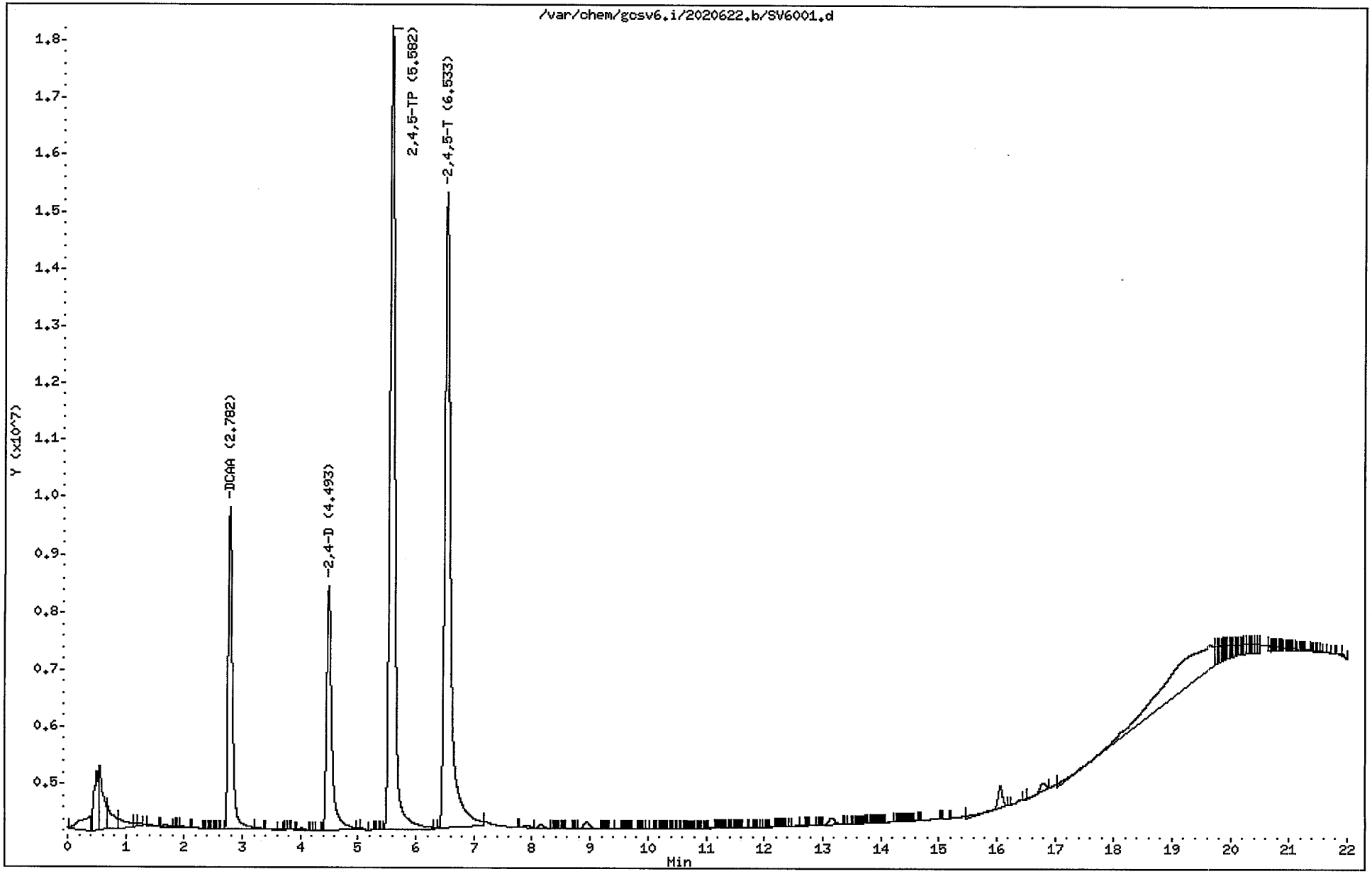
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.782	2.780	0.002	28771899	50.0000	58.1
7 2,4-D	4.493	4.494	-0.001	26889628	50.0000	56.8
8 2,4,5-TP	5.582	5.576	0.006	88126230	50.0000	56.4
9 2,4,5-T	6.533	6.531	0.002	79449647	50.0000	56.2

Data File: /var/chem/gcsv6.i/2020622.b/SV6001.d
Date : 22-JUN-2002 11:36
Client ID: 50 PPB HERB
Sample Info: 50 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tls
Column diameter: 0.53

000472



Data File: /var/chem/gcsv6.i/2020622.b/SV6015.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv6.i
Lab File ID: SV6015.d
Analysis Type: WATER
Lab Sample ID: 50 PPB HERB
Method: /var/chem/gcsv6.i/2020622.b/M8151.m

Injection Date: 22-JUN-2002 23:06
Init. Cal. Date(s): 10-JUN-2002 10-JUN-2002
Init. Cal. Times: 11:05 13:19
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 2 DCAA	495152	465137	0.010	6.06181	15.00000	Averaged
7 2,4-D	472927	449885	0.010	4.87223	15.00000	Averaged
8 2,4,5-TP	1563414	1573797	0.010	-0.66413	15.00000	Averaged
9 2,4,5-T	1413809	1489669	0.010	-5.36568	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.24096
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv6.i/2020622.b/SV6015.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6015.d
Lab Smp Id: 50 PPB HERB Client Smp ID: 50 PPB HERB
Inj Date : 22-JUN-2002 23:06
Operator : tnt Inst ID: gcsv6.i
Smp Info : 50 PPB HERB
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

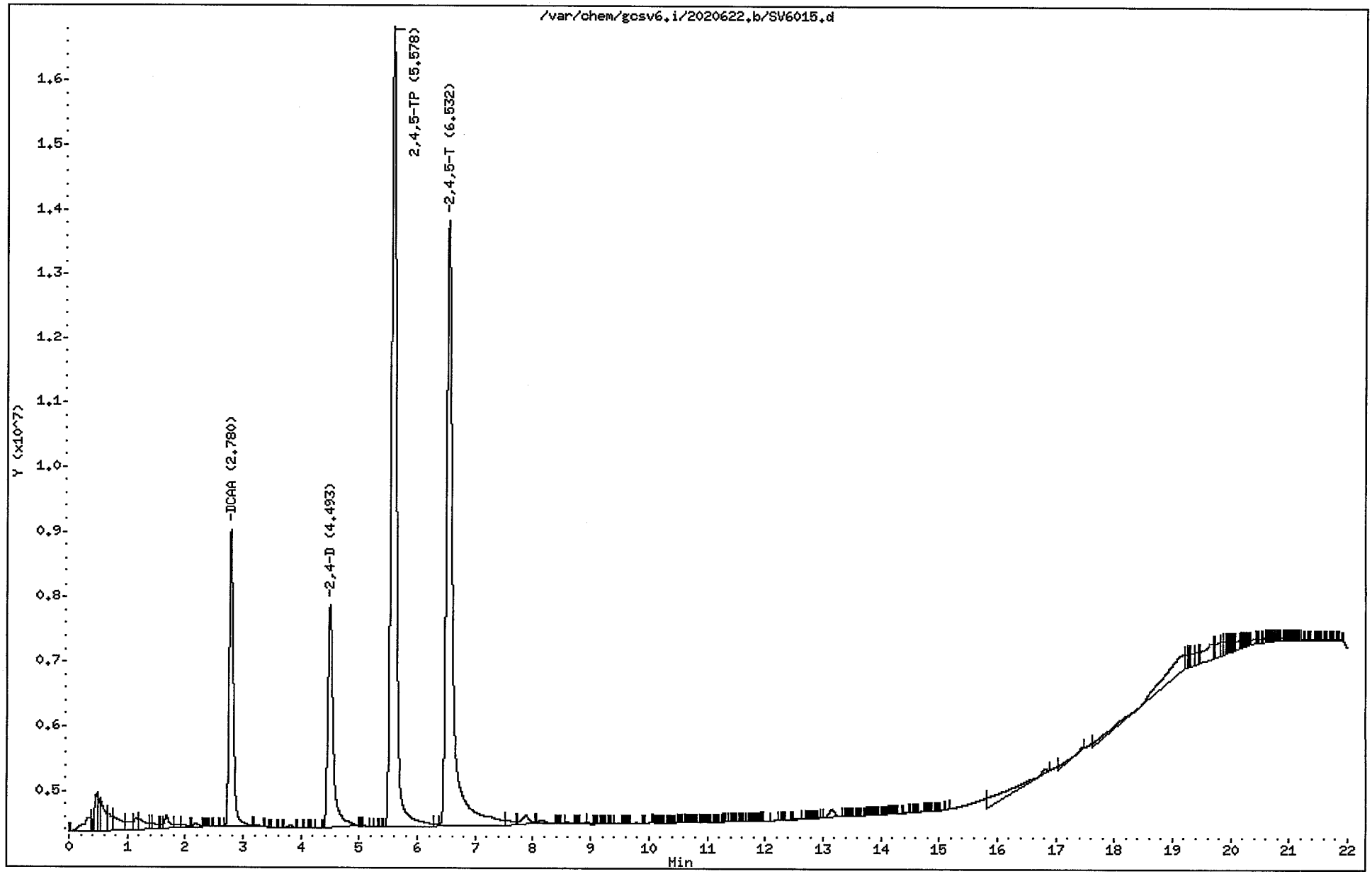
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 2 DCAA	2.780	2.780	0.000	23256834	50.0000	47.0
7 2,4-D	4.493	4.494	-0.001	22494228	50.0000	47.6
8 2,4,5-TP	5.578	5.576	0.002	78689835	50.0000	50.3
9 2,4,5-T	6.532	6.530	0.002	74483449	50.0000	52.7

Data File: /var/chem/gcsv6.i/2020622.b/SV6015.d
Date : 22-JUN-2002 23:06
Client ID: 50 PPB HERB
Sample Info: 50 PPB HERB
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

0004475



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46601	Method Blank	Solid	06/21/2002 17:25

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 11:28	SAB	146074

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	ND	167		ug/Kg
93-76-5	2,4,5-T	ND	17.0		ug/Kg
93-72-1	2,4,5-TP (Silvex)	ND	17.0		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	133	128 ug/Kg	96	37 - 140

Data File: /var/chem/gcsv6.i/2020620.b/SV6011.d
Report Date: 26-Jun-2002 11:01

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6011.d
Lab Smp Id: 46601 Client Smp ID: 46601
Inj Date : 21-JUN-2002 11:28
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46601-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

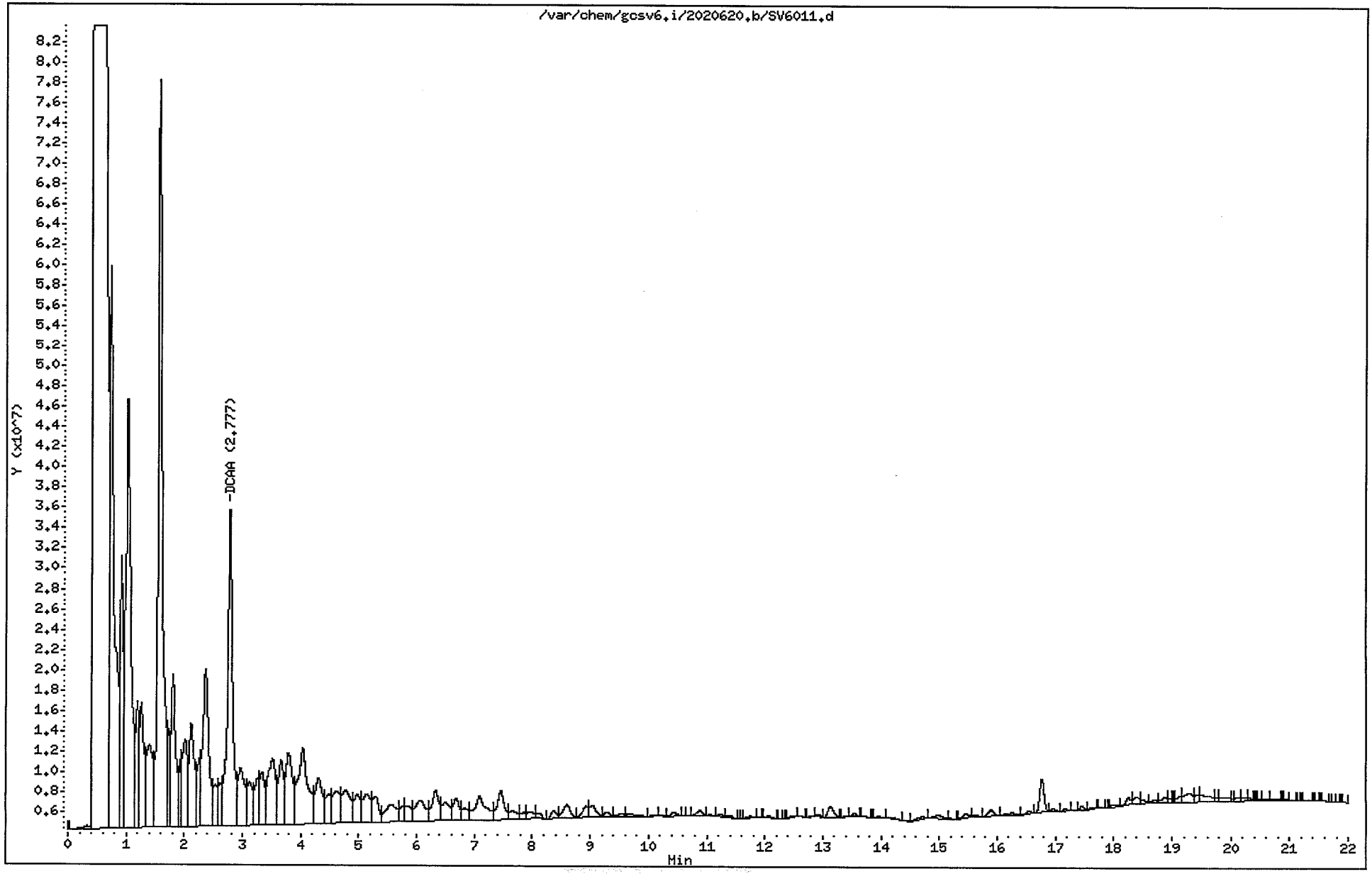
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.777	2.779	-0.002	190187396	384.099	128

Data File: /var/chem/gcsv6.i/2020620.b/SV6011.d
Date : 21-JUN-2002 11:28
Client ID: 46601
Sample Info: 46601-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i
Operator: tnt
Column diameter: 0.53

0004178



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46789	Method Blank	Solid	06/24/2002 14:40

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 17:00	146100	3540C	1	06/22/2002 17:16	TNT	146136

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	ND	167		ug/Kg
93-76-5	2,4,5-T	ND	17.0		ug/Kg
93-72-1	2,4,5-TP (Silvex)	ND	17.0		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	133	128 ug/Kg	96	37 - 140

Data File: /var/chem/gcsv6.i/2020622.b/SV6002.d
Report Date: 26-Jun-2002 11:01

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6002.d
Lab Smp Id: 46789 Client Smp ID: 46789
Inj Date : 22-JUN-2002 17:16
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46789-1.0-GCSV~1777~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

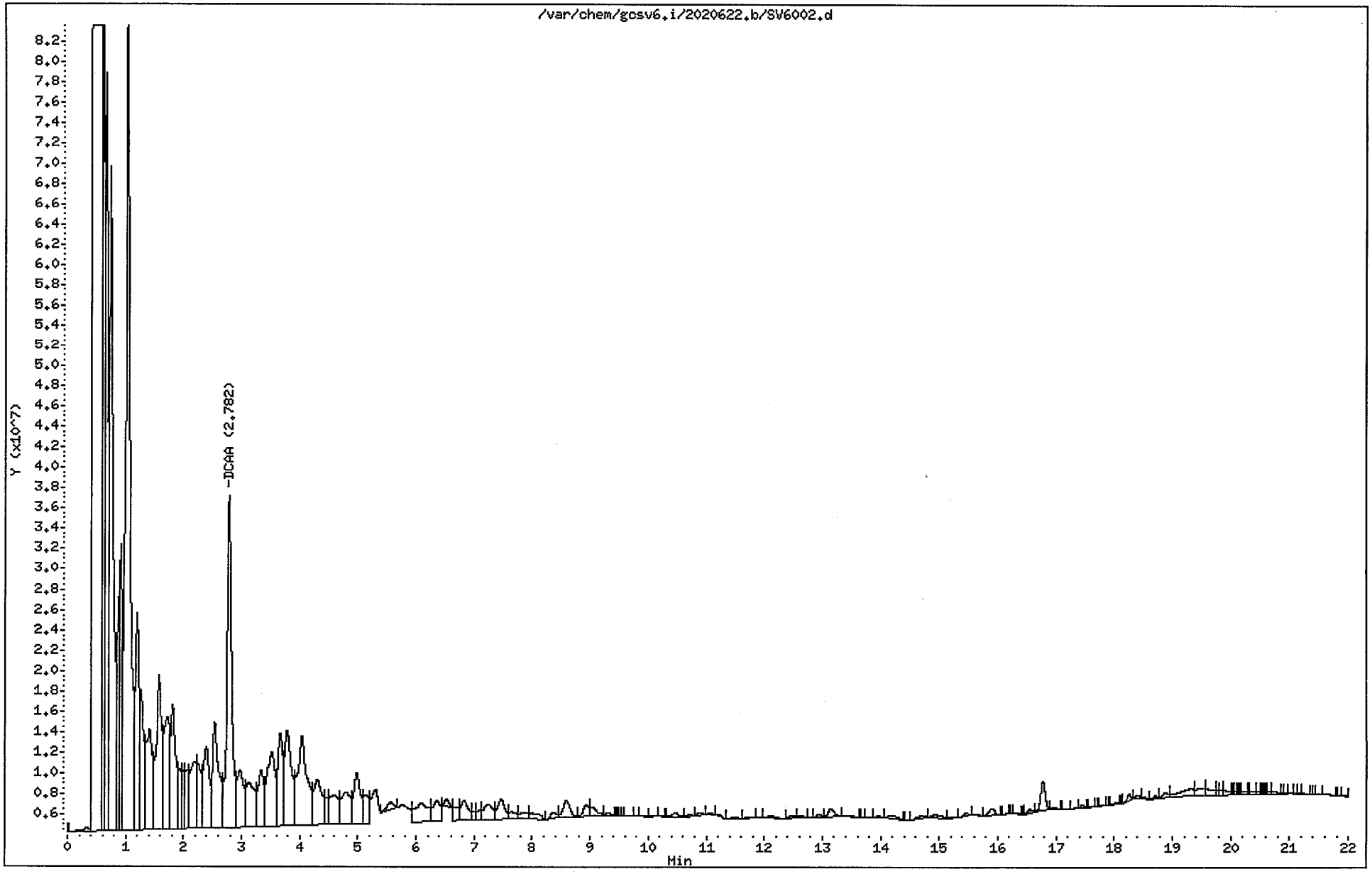
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.782	2.780	0.002	190842569	385.422	128

Data File: /var/chem/gcsv6.i/2020622.b/SV6002.d
Date : 22-JUN-2002 17:16
Client ID: 46789
Sample Info: 46789-1.0-GCSV^1777^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i
Operator: tnt
Column diameter: 0.53

000481



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46602	Lab Control Sample	Solid	06/21/2002 17:25

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 11:55	SAB	146074

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	60.4J	167		ug/Kg
93-76-5	**2,4,5-T**	**66.8**	**17.0**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**70.6**	**17.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	**DCAA**	133	166 ug/Kg	125	37 - 140

Data File: /var/chem/gcsv6.i/2020620.b/SV6012.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6012.d
Lab Smp Id: 46602 Client Smp ID: 46602
Inj Date : 21-JUN-2002 11:55
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46602-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.768	2.780	-0.012	246502154	497.831	166
7 2,4-D	4.477	4.494	-0.017	85634350	181.073	60.4
8 2,4,5-TP	5.563	5.576	-0.013	331220612	211.857	70.6(A)
9 2,4,5-T	6.515	6.530	-0.015	283342767	200.411	66.8(A)

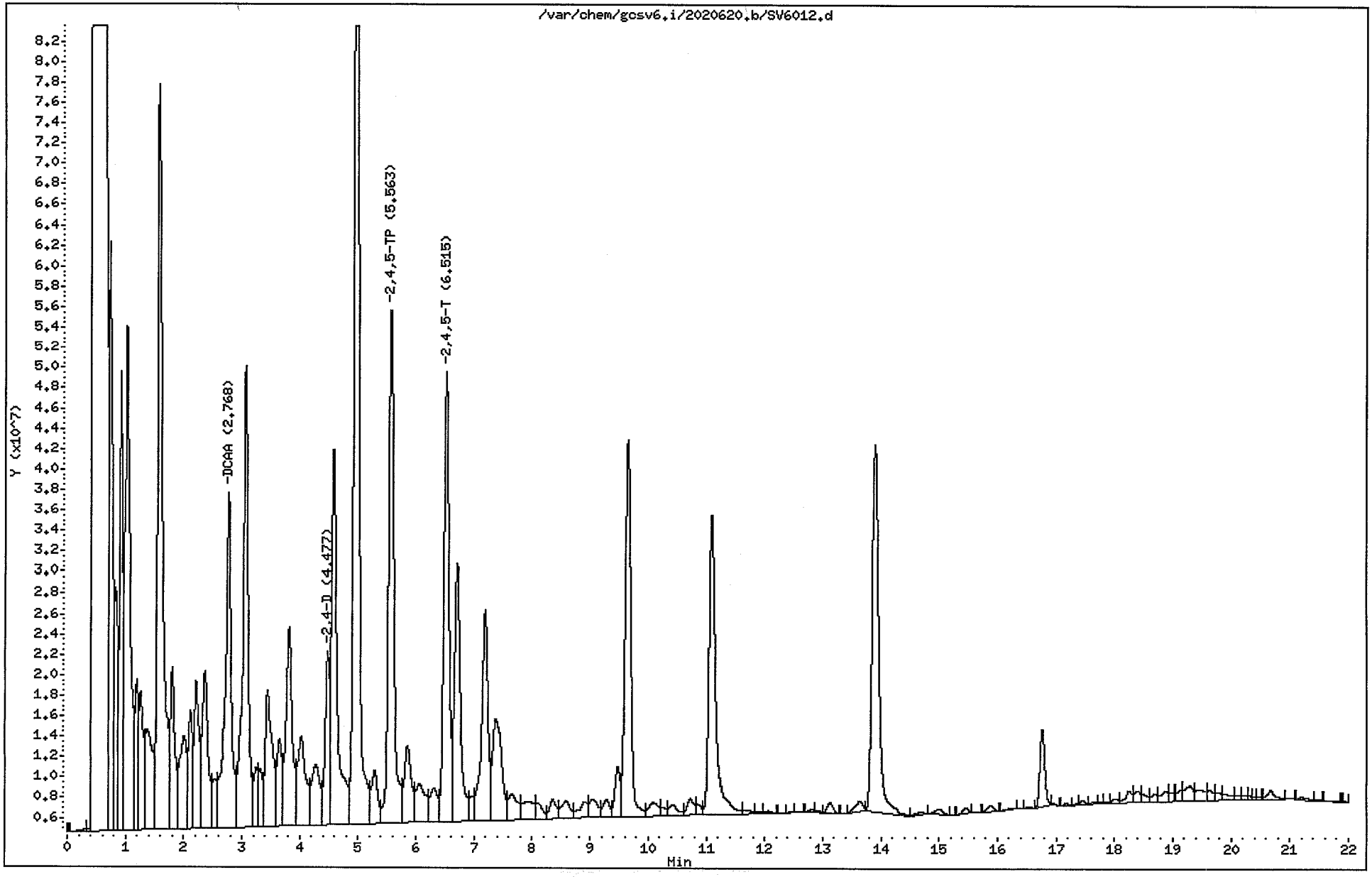
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcsv6.i/2020620.b/SV6012.d
Date : 21-JUN-2002 11:55
Client ID: 46602
Sample Info: 46602-1.0-GCSV~17XX~-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53



000484

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46603	Lab Control Sample Duplicate	Solid	06/21/2002 17:25

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 12:22	SAB	146074

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	51.0J	167		ug/Kg
93-76-5	**2,4,5-T**	**59.1**	**17.0**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**63.9**	**17.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	DCAA	133	138 ug/Kg	104	37 - 140

Data File: /var/chem/gcsv6.i/2020620.b/SV6013.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6013.d
Lab Smp Id: 46603 Client Smp ID: 46603
Inj Date : 21-JUN-2002 12:22
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46603-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

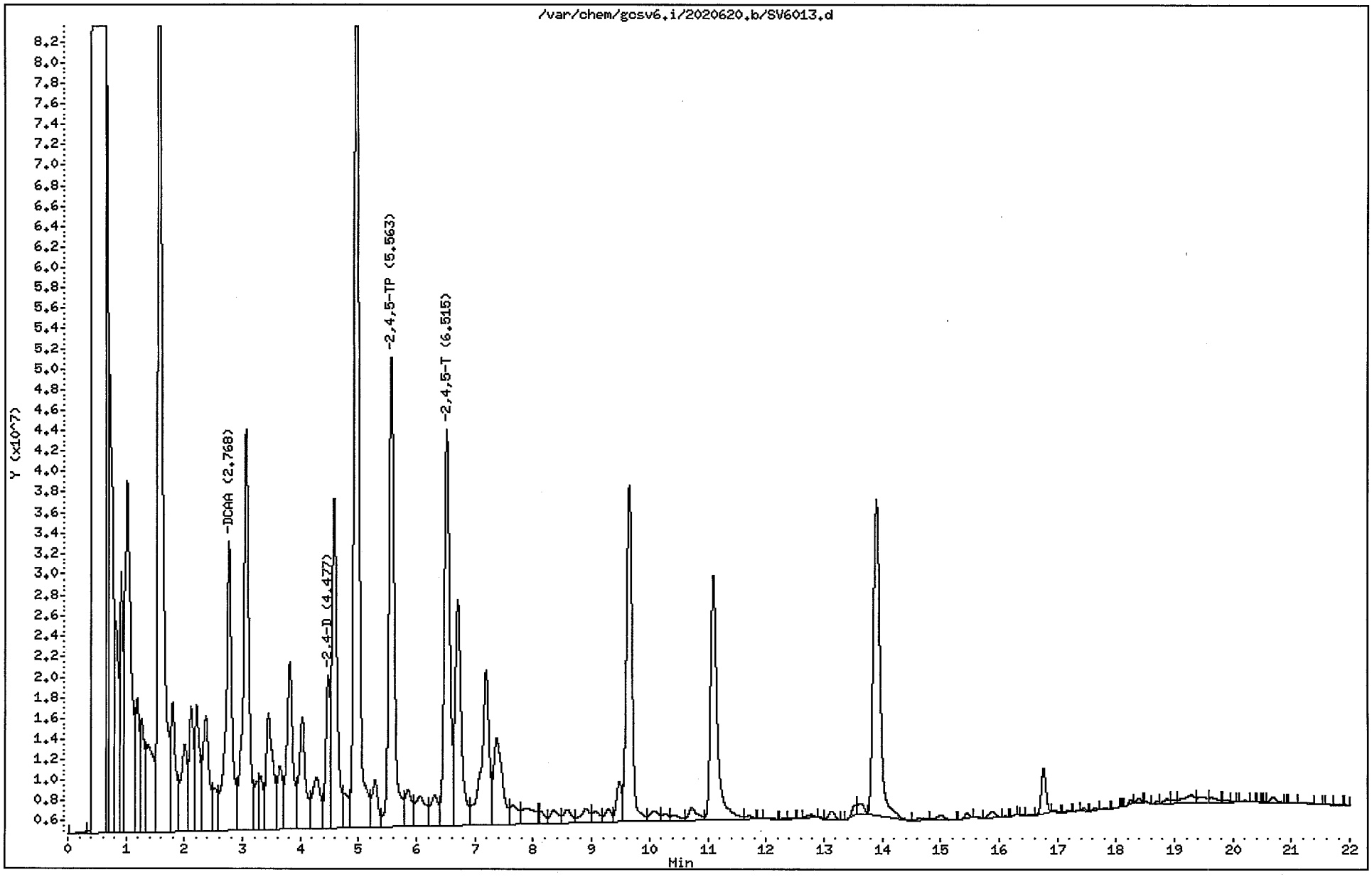
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.768	2.780	-0.012	205484784	414.993	138
7 2,4-D	4.477	4.494	-0.017	72381095	153.049	51.0
8 2,4,5-TP	5.563	5.576	-0.013	299840223	191.786	63.9
9 2,4,5-T	6.515	6.530	-0.015	250704726	177.326	59.1

Data File: /var/chem/gcsv6.i/2020620.b/SV6013.d
Date : 21-JUN-2002 12:22
Client ID: 46603
Sample Info: 46603-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53



0004187

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46790	Lab Control Sample	Solid	06/24/2002 14:40

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 17:00	146100	3540C	1	06/22/2002 17:43	TNT	146136

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	52.0J	167		ug/Kg
93-76-5	**2,4,5-T**	**63.0**	**17.0**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**64.5**	**17.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	**DCAA**	133	121 ug/Kg	91	37 - 140

Data File: /var/chem/gcsv6.i/2020622.b/SV6003.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6003.d
Lab Smp Id: 46790 Client Smp ID: 46790
Inj Date : 22-JUN-2002 17:43
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46790-1.0-GCSV~1777~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

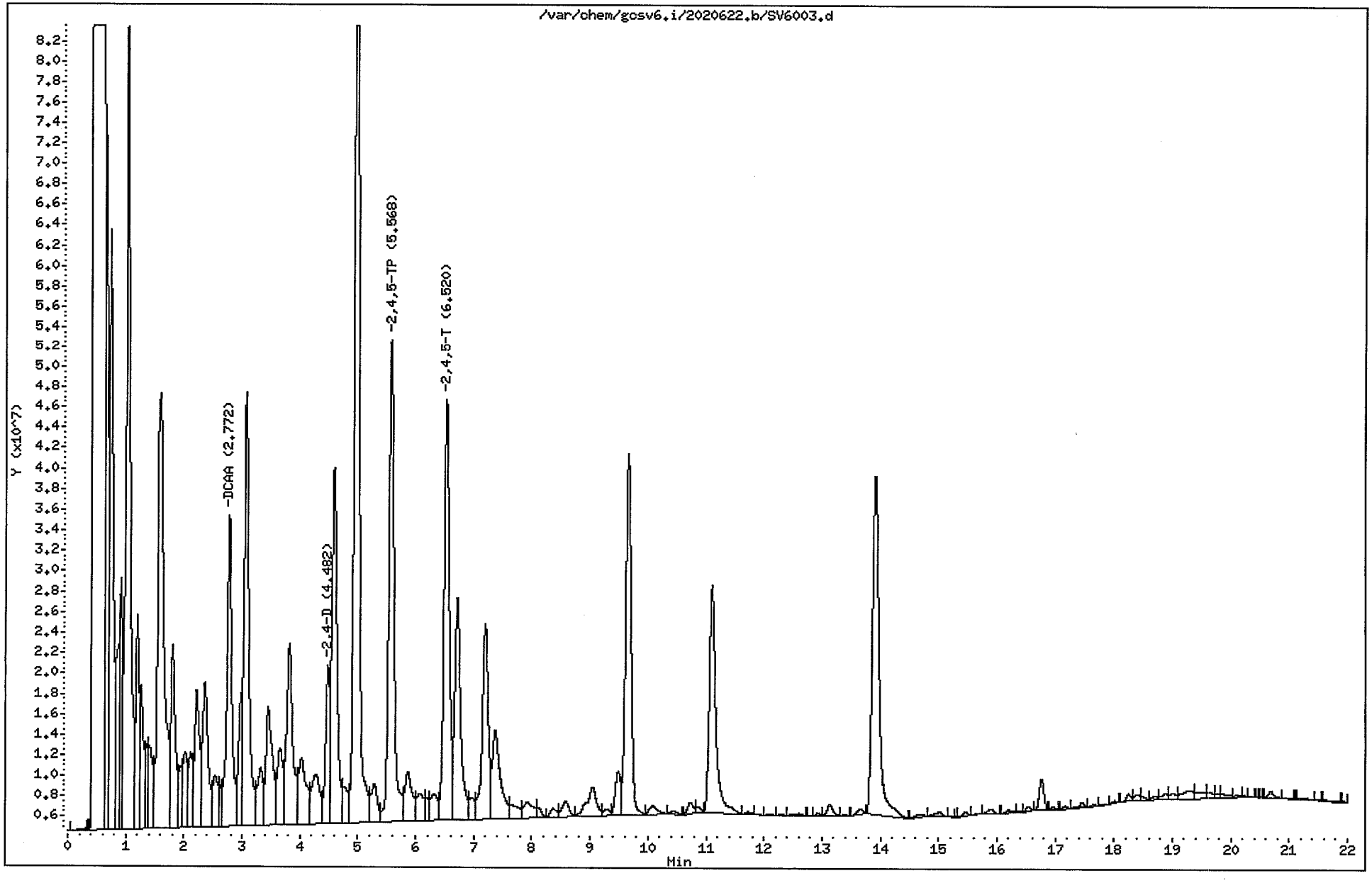
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.772	2.780	-0.008	179163580	361.836	121
7 2,4-D	4.482	4.494	-0.012	73826115	156.105	52.0
8 2,4,5-TP	5.568	5.576	-0.008	302352649	193.393	64.5
9 2,4,5-T	6.520	6.531	-0.011	267177946	188.977	63.0

Data File: /var/chem/gcsv6.i/2020622.b/SV6003.d
Date : 22-JUN-2002 17:43
Client ID: 46790
Sample Info: 46790-1.0-GCSV^1777^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

000490



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46791	Lab Control Sample Duplicate	Solid	06/24/2002 14:40

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 17:00	146100	3540C	1	06/22/2002 18:10	TNT	146136

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	51.6J	167		ug/Kg
93-76-5	**2,4,5-T**	**67.6**	**17.0**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**69.2**	**17.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	**DCAA**	133	120 ug/Kg	90	37 - 140

Data File: /var/chem/gcsv6.i/2020622.b/SV6004.d
Report Date: 26-Jun-2002 10:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020622.b/SV6004.d
Lab Smp Id: 46791 Client Smp ID: 46791
Inj Date : 22-JUN-2002 18:10
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46791-1.0-GCSV~1777~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020622.b/M8151.m
Meth Date : 26-Jun-2002 10:51 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.772	2.780	-0.008	178990617	361.486	120
7 2,4-D	4.482	4.494	-0.012	73177136	154.733	51.6
8 2,4,5-TP	5.568	5.576	-0.008	324389680	207.488	69.2(A)
9 2,4,5-T	6.522	6.531	-0.009	286623357	202.731	67.6(A)

QC Flag Legend

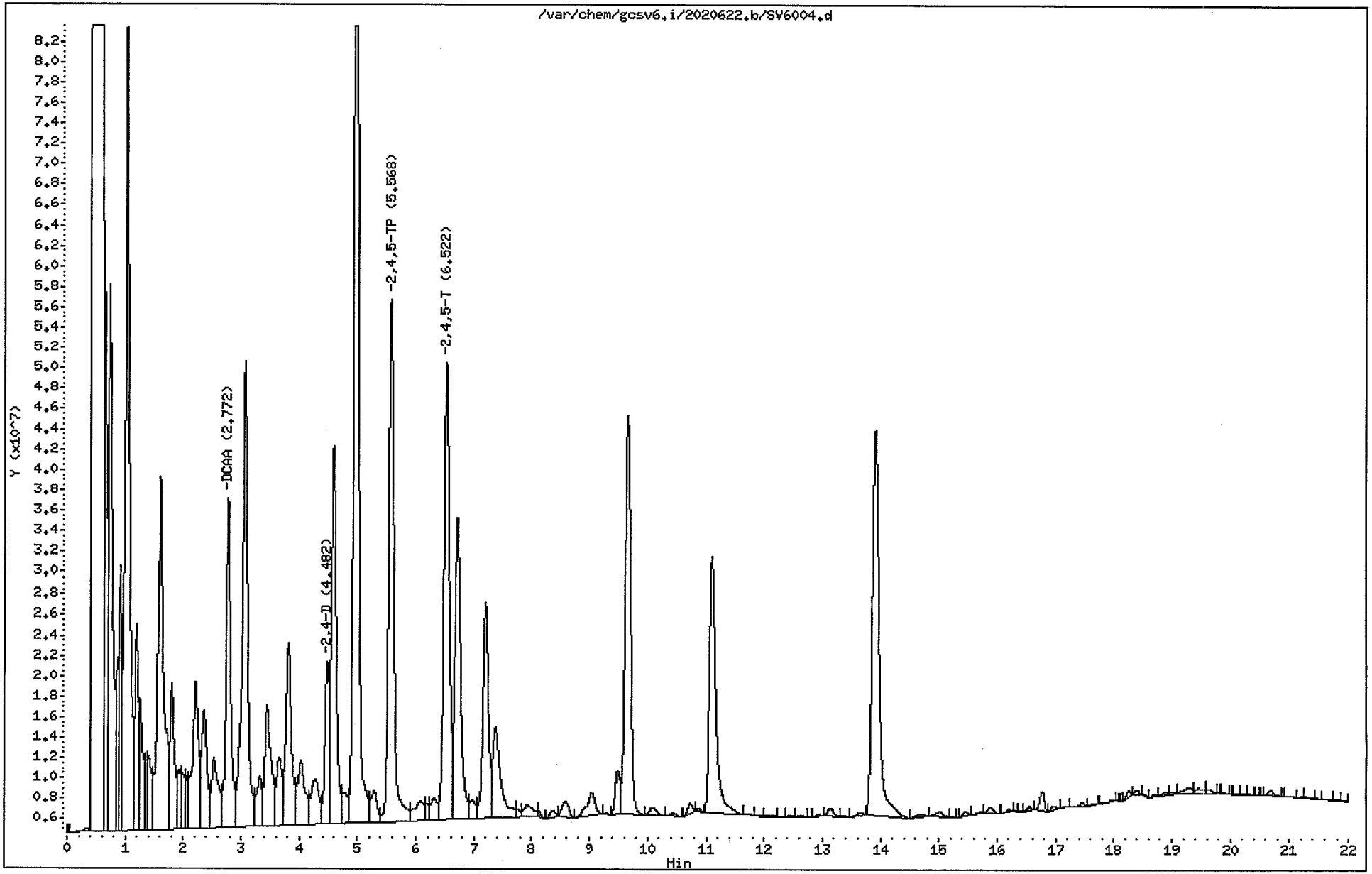
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: /var/chem/gcsv6.i/2020622.b/SV6004.d
Date : 22-JUN-2002 18:10
Client ID: 46791
Sample Info: 46791-1.0-GCSV^1777^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53

000493



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46604	Matrix Spike	Solid	06/19/2002 11:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 13:43	SAB	146074

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	40.5J	183		ug/Kg
93-76-5	**2,4,5-T**	**57.2**	**18.6**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**57.2**	**18.6**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	**DCAA**	133	89.3 ug/Kg	67	37 - 140

Data File: /var/chem/gcsv6.i/2020620.b/SV6016.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6016.d
Lab Smp Id: 46604 Client Smp ID: RB-S-0619MS
Inj Date : 21-JUN-2002 13:43
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46604-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

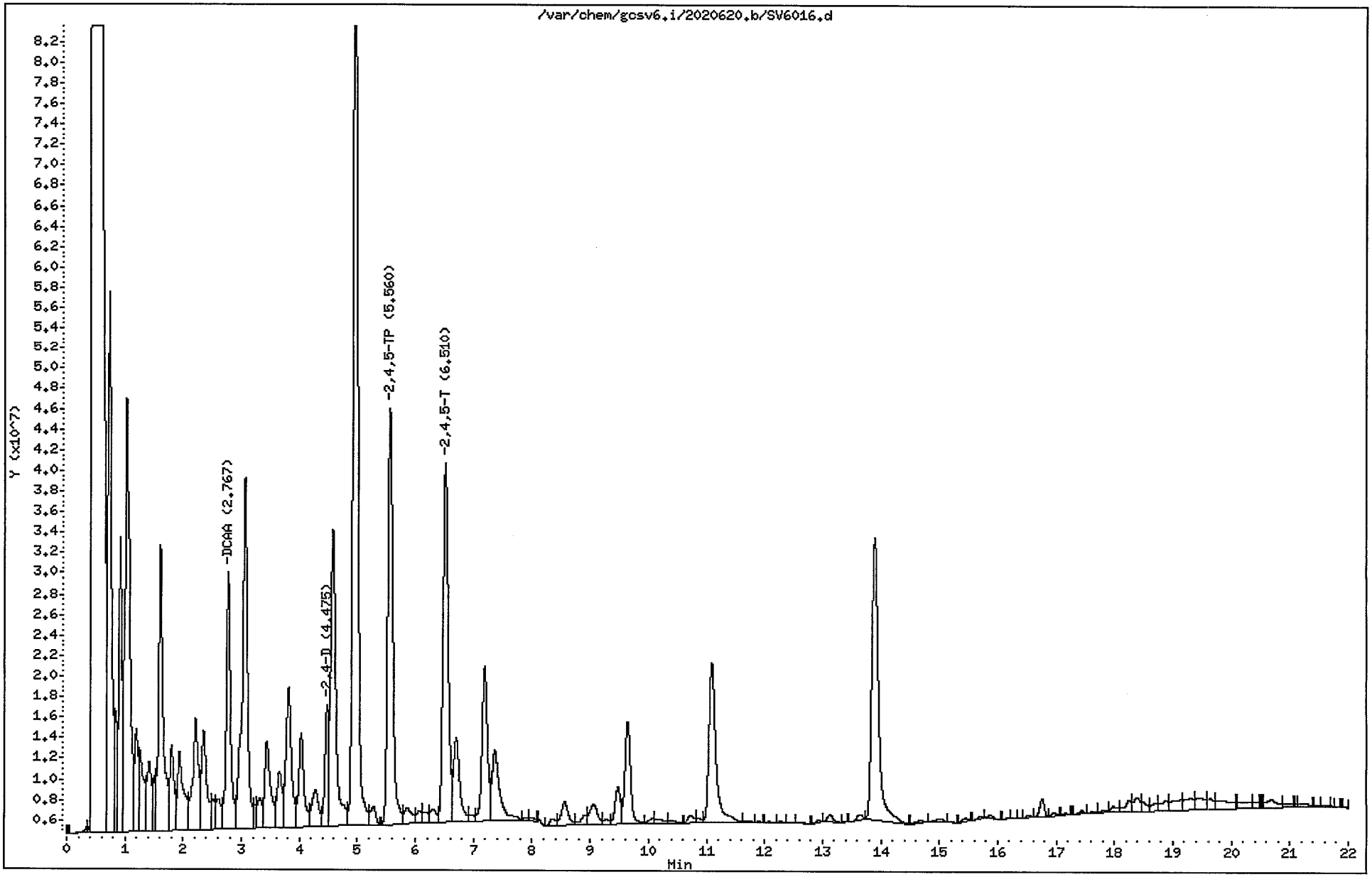
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 2 DCAA	2.767	2.780	-0.013	132720500	268.040	89.3
7 2,4-D	4.475	4.494	-0.019	52306426	110.602	36.9
8 2,4,5-TP	5.560	5.576	-0.016	244917817	156.656	52.2
9 2,4,5-T	6.510	6.530	-0.020	221432887	156.622	52.2

Data File: /var/chem/gcsv6.i/2020620.b/SV6016.d
Date : 21-JUN-2002 13:43
Client ID: RB-S-0619MS
Sample Info: 46604-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53



000496

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	COLLECTED	RECEIVED	REPORTED
46605	Matrix Spike Duplicate	Solid	06/19/2002 11:	06/20/2002 09:05	06/23/2002 09:05

SW-846 8151A

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 15:00	146039	3540C	1	06/21/2002 14:10	SAB	146074

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
94-75-7	2,4'-D	42.0J	183		ug/Kg
93-76-5	**2,4,5-T**	**60.8**	**18.6**		**ug/Kg**
93-72-1	**2,4,5-TP (Silvex)**	**61.8**	**18.6**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
19719-28-	**DCAA**	133	93.8 ug/Kg	70	37 - 140

Data File: /var/chem/gcsv6.i/2020620.b/SV6017.d
Report Date: 26-Jun-2002 10:45

Gulf Coast Analytical Services

Data file : /var/chem/gcsv6.i/2020620.b/SV6017.d
Lab Smp Id: 46605 Client Smp ID: RB-S-0619MSD
Inj Date : 21-JUN-2002 14:10
Operator : tnt Inst ID: gcsv6.i
Smp Info : 46605-1.0-GCSV~17XX~-
Misc Info :
Comment :
Method : /var/chem/gcsv6.i/2020620.b/M8151.m
Meth Date : 26-Jun-2002 10:45 sab Quant Type: ESTD
Cal Date : 10-JUN-2002 13:19 Cal File: SV6006.d
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

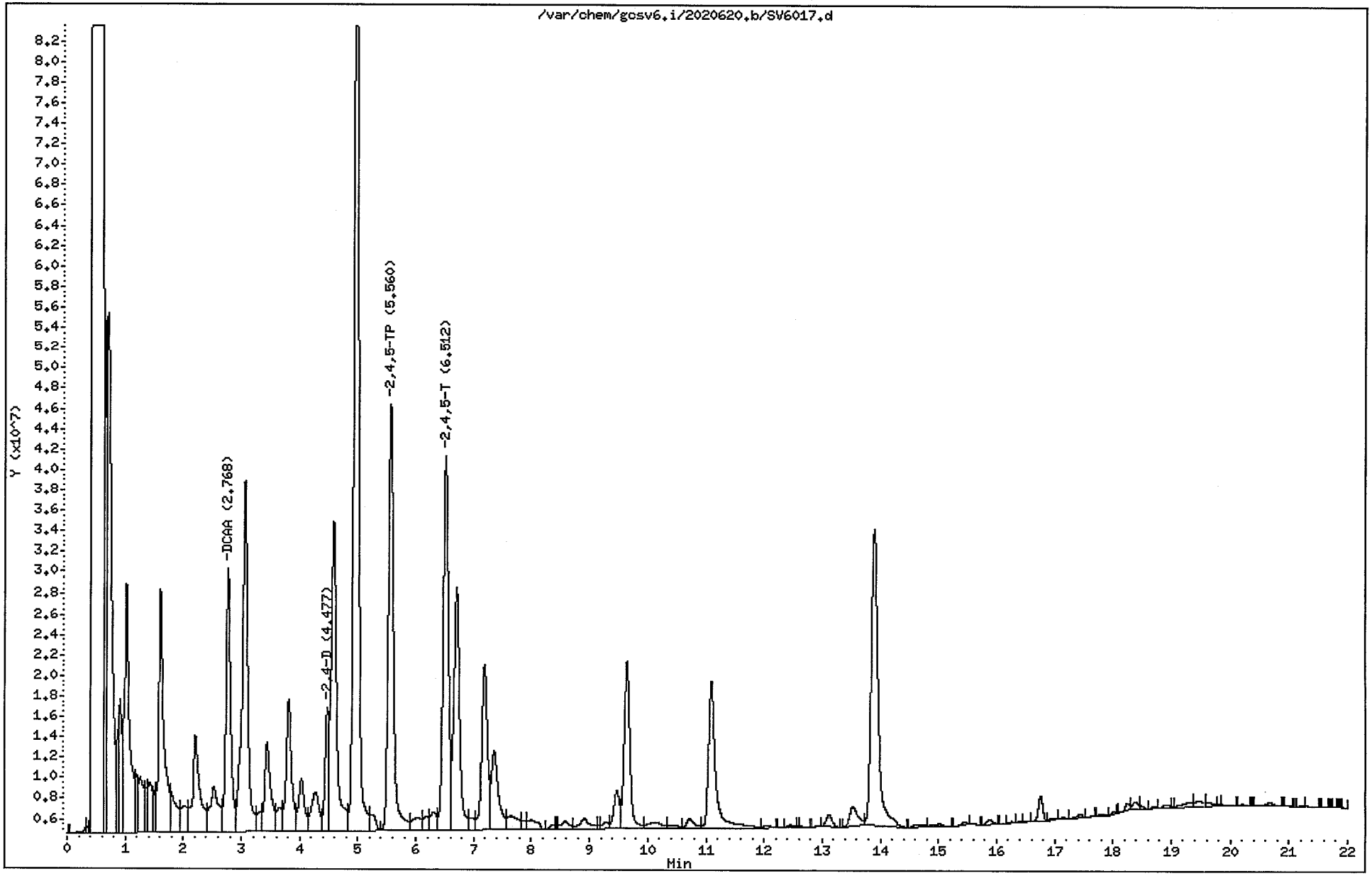
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 2 DCAA	2.768	2.780	-0.012	139402016	281.534	93.8
7 2,4-D	4.477	4.494	-0.017	54328787	114.878	38.3
8 2,4,5-TP	5.560	5.576	-0.016	264669976	169.290	56.4
9 2,4,5-T	6.512	6.530	-0.018	235423106	166.517	55.5

Data File: /var/chem/gcsv6.i/2020620.b/SV6017.d
Date : 21-JUN-2002 14:10
Client ID: RB-S-0619MSD
Sample Info: 46605-1.0-GCSV^17XX^-
Volume Injected (uL): 1.0
Column phase: DB-608-30M

Instrument: gcsv6.i

Operator: tnt
Column diameter: 0.53



0004499

HERBICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 6-20-2 1300

MATRIX: _____ WATER X SOIL _____ OTHER _____ BATCH#: 146039

LEVEL: X LOW _____ MEDIUM

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL (g)	FINAL VOLUME (mL)	Initial pH	COMMENTS
1	46601	20206208LK	30	10		
2	46602	20206208LCS	30	10		
3	46603	20206208LCSD	30	10		
4	CH2H	20206200201	30	10		
5		20206200202	30	10		
6	46604	20206200202MS	30	10		
7	46605	20206200202MSD	30	10		
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

CKB 06/21/02

METHOD

_____ LIQUID LIQUID/3520 EXTRACTION

_____ SEPARATIORY FUNNEL/3510 EXTRACTION

X SONICATOR/3550

_____ SHAKER

_____ WASTE DILUTION/3580

Diazomethane Log No: 1-58-3

Sodium Sulfate Lot No: 020966

ETHER 020670-12

METHYLENE CHLORIDE 013600

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

HERBICIDE SURROGATE ID 8-135-2
VOLUME 200 ul
CONCENTRATION 20 ug/ml

MATRIX SPIKE ID 8-118-2
VOLUME 200 ul
CONCENTRATION 10 ug/ml

SPIKE WITNESS yes

Ivan Robertson 6-20-2
TECHNICIAN DATE

John Bailey 06/21/02
SUPERVISOR DATE

HERBICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 6-21-2 1700

MATRIX: _____ WATER X SOIL _____ OTHER _____ BATCH#: 146100

LEVEL: X LOW _____ MEDIUM

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Initial pH	COMMENTS
1	46789	20206213IK	30	10		
2	46790	20206213LCS	30	10		
3	46791	20206213LCSD	30	10		
4	Cliff M Hill	20206200201	30	10		
5	[redacted]	20206212801	30	10		
6		20206212802	30	10		
7		20206212803	30	10		
8		20206212804	30	10		
9		20206212805	30	10		
10		20206212806 MS	30	10		
11		20206212807 MSD	30	10		
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

METHOD

_____ LIQUID LIQUID/3520 EXTRACTION

IER 6-21-2

X SEPARATIORY FUNNEL/3510 EXTRACTION

X SONICATOR/3550

_____ SHAKER

_____ WASTE DILUTION/3580

SKB 06/24/02

Diazomethane Log No: 1-58-3

Sodium Sulfate Lot No: 020966

ETHER 020070-12

METHYLENE CHLORIDE 013600

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

full List SPK

HERBICIDE SURROGATE ID 8-135-2
VOLUME 200 ul
CONCENTRATION 20 ug/ml

MATRIX SPIKE ID 8-118-2
VOLUME 200 ul
CONCENTRATION 10 ug/ml

SPIKE WITNESS yes

Ivan Robertson 6-21-2
TECHNICIAN DATE

John Bailey 06/24/02
SUPERVISOR DATE

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv6.i
Method File: /var/chem/gcsv6.i/2020620.b/M8151.m
Batch: /var/chem/gcsv6.i/2020620.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
50 PPB HERB		SV6001.d	20-JUN-2002 15:01	1.000	tnt	
45801		SV6002.d	20-JUN-2002 18:18	1.000	tnt	
45802		SV6003.d	20-JUN-2002 18:45	1.000	tnt	
TBLK		SV6004.d	20-JUN-2002 19:12	1.000	tnt	
20206141201		SV6005.d	20-JUN-2002 19:39	1.000	tnt	
45803		SV6006.d	20-JUN-2002 20:05	1.000	tnt	
45804		SV6007.d	20-JUN-2002 20:32	1.000	tnt	
50 PPB HERB		SV6008.d	20-JUN-2002 20:59	1.000	tnt	
50 PPB HERB		SV6009.d	20-JUN-2002 21:26	1.000	tnt	
50 PPB HERB		SV6010.d	21-JUN-2002 10:45	1.000	tnt	
46601		SV6011.d	21-JUN-2002 11:28	1.000	tnt	
46602		SV6012.d	21-JUN-2002 11:55	1.000	tnt	
46603		SV6013.d	21-JUN-2002 12:22	1.000	tnt	
20206200201		SV6014.d	21-JUN-2002 12:49	1.000	tnt	
20206200202		SV6015.d	21-JUN-2002 13:16	1.000	tnt	
46604		SV6016.d	21-JUN-2002 13:43	1.000	tnt	
46605		SV6017.d	21-JUN-2002 14:10	1.000	tnt	
50 PPB HERB		SV6018.d	21-JUN-2002 14:36	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv6.i
Method File: /var/chem/gcsv6.i/2020622.b/M8151.m
Batch: /var/chem/gcsv6.i/2020622.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
50 PPB HERB	50 PPB HERB	SV6001.d	22-JUN-2002 11:36	1.000	tls	
46789	46789	SV6002.d	22-JUN-2002 17:16	1.000	tnt	
46790	46790	SV6003.d	22-JUN-2002 17:43	1.000	tnt	
46791	46791	SV6004.d	22-JUN-2002 18:10	1.000	tnt	
20206200201	BF-S-0619	SV6005.d	22-JUN-2002 18:37	1.000	tnt	
20206212801		SV6006.d	22-JUN-2002 19:04	10.000	tnt	
20206212802		SV6007.d	22-JUN-2002 19:31	10.000	tnt	
20206212803		SV6008.d	22-JUN-2002 19:58	10.000	tnt	
HEXANE		SV6009.d	22-JUN-2002 20:25	1.000	tnt	
20206212804		SV6010.d	22-JUN-2002 20:52	10.000	tnt	
20206212805		SV6011.d	22-JUN-2002 21:19	10.000	tnt	
20206212806MS		SV6012.d	22-JUN-2002 21:45	10.000	tnt	
20206212807MSD		SV6013.d	22-JUN-2002 22:12	10.000	tnt	
HEXANE		SV6014.d	22-JUN-2002 22:39	1.000	tnt	
50 PPB HERB	50 PPB HERB	SV6015.d	22-JUN-2002 23:06	1.000	tnt	
50 PPB HERB		SV6016.d	22-JUN-2002 23:33	1.000	tnt	
50 PPB HERB		SV6017.d	23-JUN-2002 10:39	1.000	tls	
46795		SV6018.d	23-JUN-2002 18:37	1.000	tnt	
46796		SV6019.d	23-JUN-2002 19:04	1.000	tnt	
20206212809		SV6020.d	23-JUN-2002 19:31	1.000	tnt	
TBLK		SV6021.d	23-JUN-2002 19:58	1.000	tnt	
20206212805		SV6022.d	23-JUN-2002 20:25	1.000	tnt	
46797		SV6023.d	23-JUN-2002 20:52	1.000	tnt	
46798		SV6024.d	23-JUN-2002 21:19	1.000	tnt	
50 PPB HERB		SV6025.d	23-JUN-2002 21:46	1.000	tnt	
50 PPB HERB		SV6026.d	23-JUN-2002 22:13	1.000	tnt	
50 PPB HERB		SV6027.d	24-JUN-2002 11:09	1.000	tls	
46515		SV6028.d	24-JUN-2002 11:46	1.000	tls	
46516		SV6029.d	24-JUN-2002 12:13	1.000	tls	
46517		SV6030.d	24-JUN-2002 12:40	1.000	tls	
2020618TBLK 100		SV6031.d	24-JUN-2002 13:07	10.000	tls	
20206181201		SV6032.d	24-JUN-2002 13:34	1.000	tls	
2020619TBLK 100		SV6033.d	24-JUN-2002 14:01	10.000	tls	
20206190301		SV6034.d	24-JUN-2002 14:28	1.000	tls	
46518		SV6035.d	24-JUN-2002 14:55	1.000	tls	
46519		SV6036.d	24-JUN-2002 15:22	1.000	tls	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv6.i
Method File: /var/chem/gcsv6.i/2020622.b/M8151.m
Batch: /var/chem/gcsv6.i/2020622.b
Column-Detector: DB-608-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
50 PPB HERB		SV6037.d	24-JUN-2002 15:49	1.000	tls	

REVISED 6-1-95 Supervisor Review: QA Review:

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
1016/1260 III	58-4-1	ultra 1016 p-281 ~~ultra 1260~~ p 361 ultra pest surrogate		5-31-02 voided				TLS			
1016/1260 III	58-4-2	100 ug/mL 100 ug/mL 200 ug/mL	ultra 1016 p-281 ultra 1260 p-361 ultra pest surrogate	S-1072 9/2005 S-2627 6/2004 S-0793 7/2005	400uL 400uL 200uL	100 mL	40/400 ppb	Hexane 024497	TLS	5-31-02	11-31-02
Herb mix	58-4-3	100 ppm methyl esters	NSI	072001-01 7/2002	100uL	50 mL	200ppb	Hexane 024497	TLS	6-03-02	7-30-02
Herb ICU	58-4-4	100 ug/mL HBM-815M	ultra HBM-815M Chlorinated Herb mix.	M-7301B 3/2004	100uL	50mL	200ppb	Hexane 024497	TLS	6-03-02	12-03-02
Ind A III	58-4-5	5/10ppm clp 216	ultra	P-7012 10/2003	600uL	50mL	60/120 ppm	Hexane 024497	TLS	6-07-02 TLS	6-07-03 TLS
Ind B III	58-4-6	5/10ppm	ultra Clp-226B	S-0470 5/2003	600uL	50mL	60/120 ppb	Hexane 024497	TLS	6-22-02 TLS	12-22-02 TLS
1221 III	6-24-TLS ~~58-5-7~~ 58-4-7	PP-291 100ug/mL	ultra	R-0547 5/2004	200uL	50mL	400ppb	Hexane 024497	TLS	6-24-02 TLS	12-24-02 TLS
1232 III	58-4-8	PP-301 100ug/mL	ultra	P-0533 5/2003	200uL	50mL	400ppb	Hexane 024497	TLS	6-24-02 TLS	12-24-02 TLS
1242 III	58-4-9	~~M-1600~~ 6-24 TLS PP-311 100ug/mL	ultra	M-1600 12/2002	200uL	50mL	400ppb	Hexane 024497	TLS	6-24-02	12-24-02
1248 III	58-4-10	PP 341	100ug/mL	P-1004 7/2003	200uL	50mL	400ppb	Hexane 024497	TLS	6-24-02	12-24-02

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (TCX)#	S2 (DCB)#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	46420	138	143							0
02	46421	118	127							0
03	46671	120	128							0
04	BF-S-0619	133	150							0
05	RB-S-0619	130	145							0
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (TCX)	= Tetrachloro-m-xylene	(60-150)	
S2 (DCB)	= Decachlorobiphenyl	(60-150)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

QUALITY CONTROL SUMMARY

1031-07-8	Endosulfan sulfate	0	16.7 ug/Kg	19.5	117	26 - 144
72-43-5	Methoxychlor	0	16.7 ug/Kg	14.2	85	26 - 144
53494-70-5	Endrin ketone	0	16.7 ug/Kg	18.5	111	26 - 144
7421-93-4	Endrin aldehyde	0	16.7 ug/Kg	25.5	153	0 - 202
5103-71-9	alpha-Chlordane	0	16.7 ug/Kg	15.1	91	45 - 119
5103-74-2	gamma-Chlordane	0	16.7 ug/Kg	15	90	45 - 119
58-89-9	gamma-BHC (Lindane)	0	16.7 ug/Kg	17.1	103	46 - 127
76-44-8	Heptachlor	0	16.7 ug/Kg	18.1	109	35 - 130
309-00-2	Aldrin	0	16.7 ug/Kg	14	84	35 - 132
60-57-1	Dieldrin	0	16.7 ug/Kg	20.7	124	31 - 134
72-20-8	Endrin	0	16.7 ug/Kg	21.3	128	42 - 139
50-29-3	4,4'-DDT	0	16.7 ug/Kg	21.5	129	23 - 134

MSD LAB ID: 46418 ORIGINAL LAB ID: 20206200201 PREP BATCH: 145850
MATRIX Solid ANALYTICAL BATCH: 146072

SW-846 8081A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
319-84-6	alpha-BHC	16.7 ug/Kg	12.1	73	37 - 134	48 *	0 - 40
319-85-7	beta-BHC	16.7 ug/Kg	8.96	54	17 - 147	55 *	0 - 40
319-86-8	delta-BHC	16.7 ug/Kg	9.67	58	19 - 140	44 *	0 - 40
1024-57-3	Heptachlor epoxide	16.7 ug/Kg	9.74	58	37 - 142	48 *	0 - 40
959-98-8	Endosulfan I	16.7 ug/Kg	12.3	74	45 - 153	30	0 - 40
72-55-9	4,4'-DDE	16.7 ug/Kg	11.1	67	30 - 145	33	0 - 40
33213-65-9	Endosulfan II	16.7 ug/Kg	10	60	0 - 202	42 *	0 - 40
72-54-8	4,4'-DDD	16.7 ug/Kg	12.2	73	31 - 141	42 *	0 - 40
1031-07-8	Endosulfan sulfate	16.7 ug/Kg	11.2	67	26 - 144	54 *	0 - 40
72-43-5	Methoxychlor	16.7 ug/Kg	9.07	54	26 - 144	45 *	0 - 40
53494-70-5	Endrin ketone	16.7 ug/Kg	11.7	70	26 - 144	45 *	0 - 40
7421-93-4	Endrin aldehyde	16.7 ug/Kg	14.6	88	0 - 202	54 *	0 - 40
5103-71-9	alpha-Chlordane	16.7 ug/Kg	9.46	57	45 - 119	46 *	0 - 40
5103-74-2	gamma-Chlordane	16.7 ug/Kg	9.47	57	45 - 119	45 *	0 - 40
58-89-9	gamma-BHC (Lindane)	16.7 ug/Kg	10.6	64	46 - 127	47 *	0 - 40
76-44-8	Heptachlor	16.7 ug/Kg	11.4	68	35 - 130	46 *	0 - 40
309-00-2	Aldrin	16.7 ug/Kg	9.19	55	35 - 132	42 *	0 - 40
60-57-1	Dieldrin	16.7 ug/Kg	15	90	31 - 134	32	0 - 40
72-20-8	Endrin	16.7 ug/Kg	14.5	87	42 - 139	38	0 - 40
50-29-3	4,4'-DDT	16.7 ug/Kg	12	72	23 - 134	57 *	0 - 40

LCS ID: 46421 ORIGINAL LAB ID: PREP BATCH: 145851
MATRIX Solid ANALYTICAL BATCH: 146073

SW-846 8082

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
12674-11-2	Aroclor-1016	133 ug/Kg	115	86	60 - 127
11096-82-5	Aroclor-1260	133 ug/Kg	125	94	61 - 132

QUALITY CONTROL SUMMARY

LCSD LAB ID: 46671 | ORIGINAL LAB ID: | PREP BATCH: 145851
MATRIX Solid | ANALYTICAL BATCH: 146073

SW-846 8082

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
12674-11-2	Aroclor-1016	133 ug/Kg	116	87	60 - 127	1	0 - 40
11096-82-5	Aroclor-1260	133 ug/Kg	126	95	61 - 132	1	0 - 40

LCS ID: 46602 | ORIGINAL LAB ID: | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	60.4	91	10 - 126
93-76-5	2,4,5-T	66.7 ug/Kg	66.8	100	32 - 130
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	70.6	106	34 - 124

LCSD LAB ID: 46603 | ORIGINAL LAB ID: | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	51	77	10 - 126	17	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	59.1	89	32 - 130	12	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	63.9	96	34 - 124	10	0 - 40

MS LAB ID: 46604 | ORIGINAL LAB ID: 20206200202 | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS
94-75-7	2,4'-D	0	66.7 ug/Kg	36.9	55	10 - 126
93-76-5	2,4,5-T	0	66.7 ug/Kg	52.2	78	32 - 130
93-72-1	2,4,5-TP (Silvex)	0	66.7 ug/Kg	52.2	78	34 - 124

MSD LAB ID: 46605 | ORIGINAL LAB ID: 20206200202 | PREP BATCH: 146039
MATRIX Solid | ANALYTICAL BATCH: 146074

SW-846 8151A

CAS #	PARAMETER	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS	RPD	RPD LIMITS
94-75-7	2,4'-D	66.7 ug/Kg	38.3	57	10 - 126	4	0 - 40
93-76-5	2,4,5-T	66.7 ug/Kg	55.5	83	32 - 130	6	0 - 40
93-72-1	2,4,5-TP (Silvex)	66.7 ug/Kg	56.4	85	34 - 124	9	0 - 40

MS LAB ID: 20206212806 | ORIGINAL LAB ID: 20206212805 | PREP BATCH: 146100
MATRIX Solid | ANALYTICAL BATCH: 146136

SW-846 8151A

CAS #	PARAMETER	Original Result	SPIKE ADDED	Result	% RECOVERY	REC-LIMITS

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

46420

Lab Name: GCAL Contract:

Lab Code: Case No.: 202062002 SAS No.: SDG No.: 202062002

Lab File ID: SV11067 Lab Sample ID: 46420

Instrument ID: GCSV11 Date Extracted: 06/21/02

Matrix: (soil/water) SOIL Date Analyzed: 06/21/02

Level:(low/med) LOW Time Analyzed: 1209

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	46421	46421	SV11068	06/21/02
02	46671	46671	SV11069	06/21/02
03	BF-S-0619	20206200201	SV11070	06/21/02
04	RB-S-0619	20206200202	SV11071	06/21/02
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

8082, PCBs, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145851	3540C	1	06/21/2002 13:38	SAB	146073

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
12674-11-2	Aroclor-1016	ND	46.5	15.6	ug/Kg
11104-28-2	Aroclor-1221	ND	46.5	15.6	ug/Kg
11141-16-5	Aroclor-1232	ND	46.5	15.6	ug/Kg
53469-21-9	Aroclor-1242	ND	46.5	10.9	ug/Kg
12672-29-6	Aroclor-1248	ND	46.5	10.9	ug/Kg
11097-69-1	Aroclor-1254	ND	46.5	10.9	ug/Kg
11096-82-5	Aroclor-1260	ND	46.5	10.9	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	22.2 ug/Kg	133	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	25 ug/Kg	150	60 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv11.i/2020617.b/SV11070.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11070.d
Lab Smp Id: 20206200201 Client Smp ID: BF-S-0619
Inj Date : 21-JUN-2002 13:38
Operator : tnt Inst ID: gcsv11.i
Smp Info : 20206200201
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.522	3.524	-0.002	16648069	66.5871	22.1957(M)
$ 22 Decachlorobiphenyl	18.002	18.006	-0.004	13156952	74.8555	24.9518

QC Flag Legend

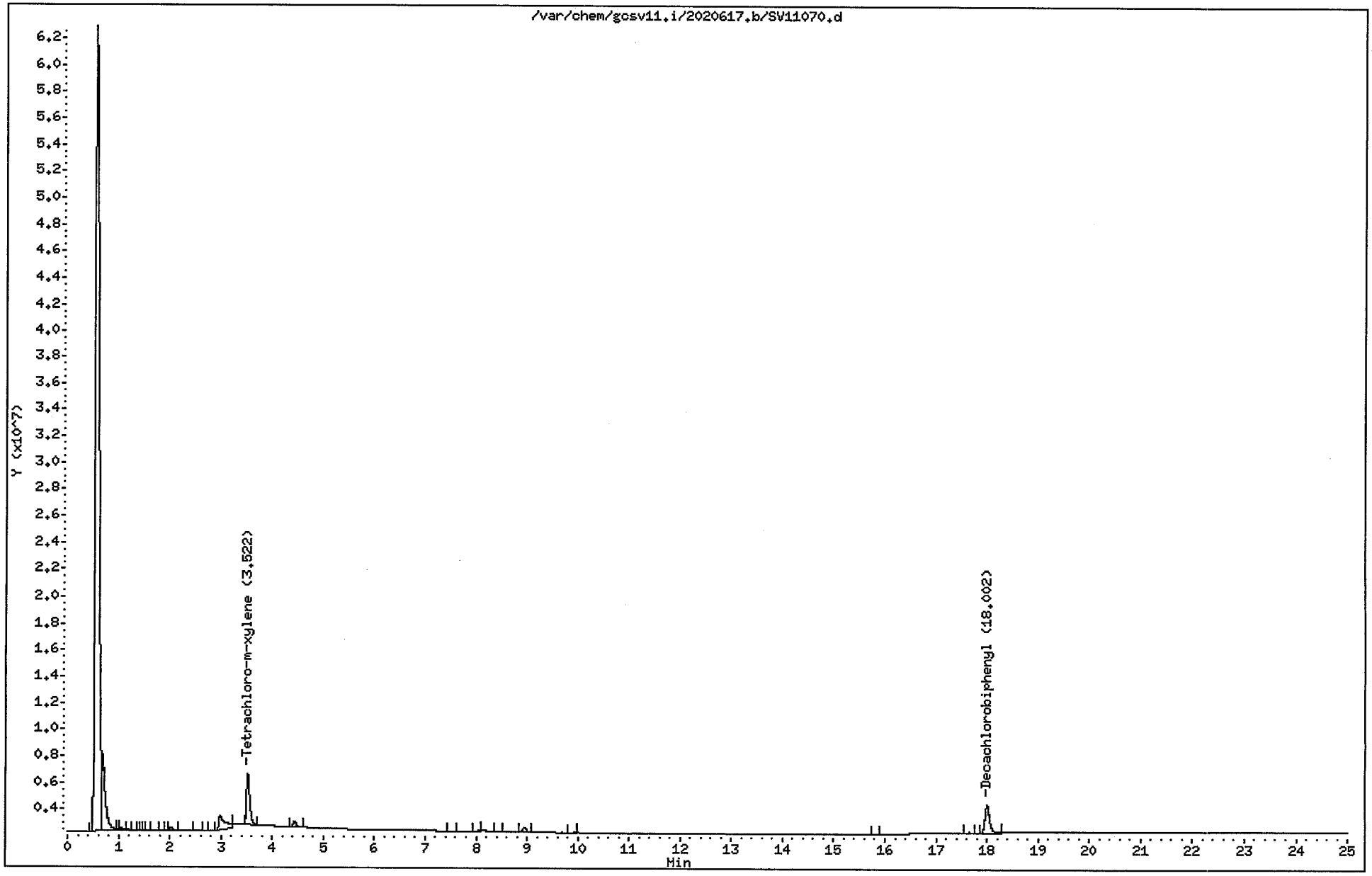
M - Compound response manually integrated.

Data File: /var/chem/gcsv11.i/2020617.b/SV11070.d
Date : 21-JUN-2002 13:38
Client ID: BF-S-0619
Sample Info: 20206200201
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000512



GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

8082, PCBs, Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145851	3540C	1	06/21/2002 14:07	SAB	146073

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
12674-11-2	Aroclor-1016	ND	43.8	14.7	ug/Kg
11104-28-2	Aroclor-1221	ND	43.8	14.7	ug/Kg
11141-16-5	Aroclor-1232	ND	43.8	14.7	ug/Kg
53469-21-9	Aroclor-1242	ND	43.8	10.3	ug/Kg
12672-29-6	Aroclor-1248	ND	43.8	10.3	ug/Kg
11097-69-1	Aroclor-1254	ND	43.8	10.3	ug/Kg
11096-82-5	Aroclor-1260	ND	43.8	10.3	ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC-LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	21.7 ug/Kg	130	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	24.1 ug/Kg	145	60 - 150

RESULTS REPORTED ON A DRY WEIGHT BASIS

Data File: /var/chem/gcsv11.i/2020617.b/SV11071.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11071.d
Lab Smp Id: 20206200202 Client Smp ID: RB-S-0619
Inj Date : 21-JUN-2002 14:07
Operator : tnt Inst ID: gcsv11.i
Smp Info : 20206200202
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

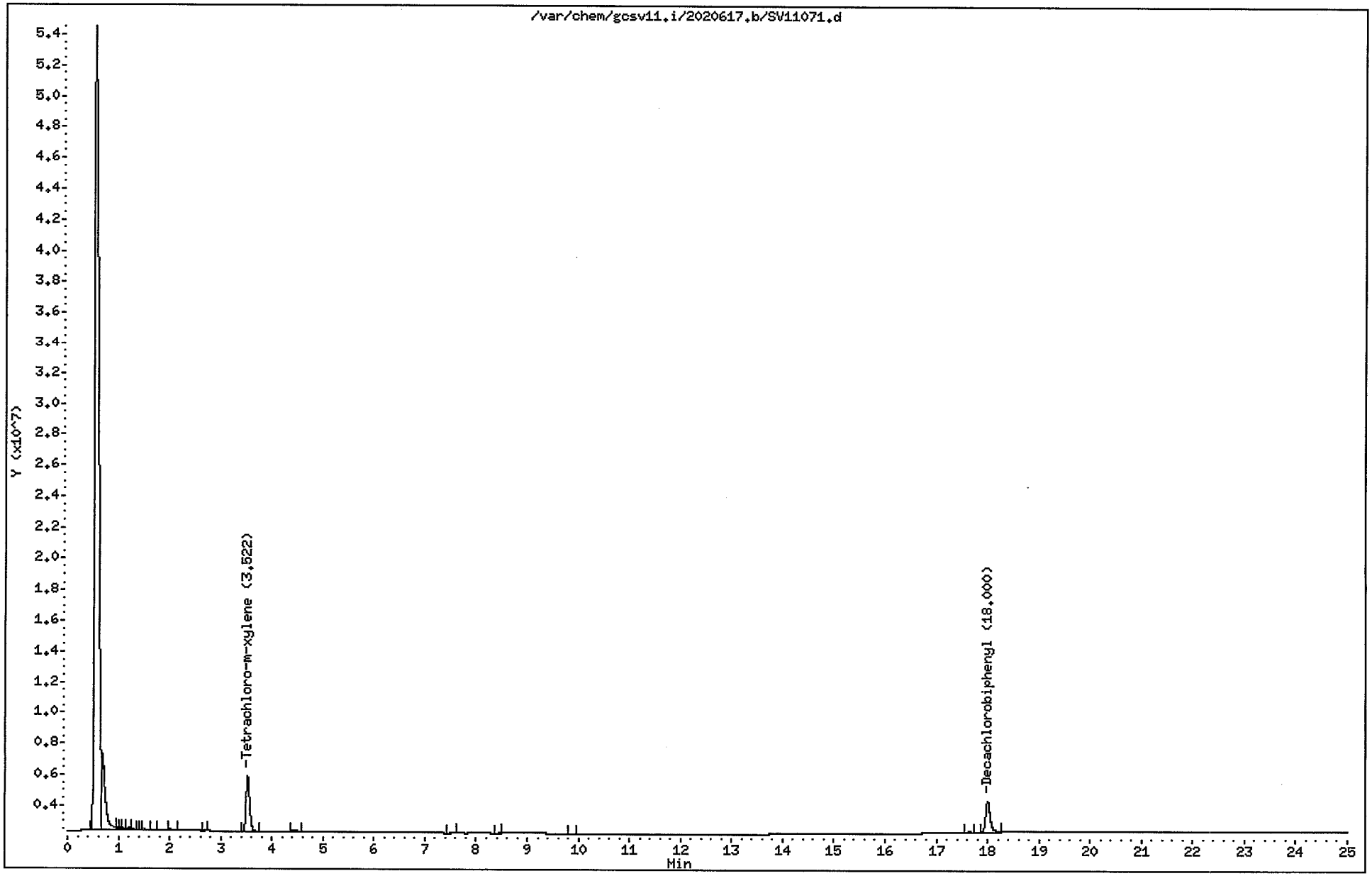
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.522	3.524	-0.002	16255250	65.0160	21.6719
$ 22 Decachlorobiphenyl	18.000	18.006	-0.006	12737144	72.4670	24.1556

Data File: /var/chem/gcsv11.i/2020617.b/SV11071.d
Date : 21-JUN-2002 14:07
Client ID: RB-S-0619
Sample Info: 20206200202
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000515



Report Date : 26-Jun-2002 10:37

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 20:55
End Cal Date : 18-JUN-2002 08:45
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Cal Date : 26-Jun-2002 10:33 sab
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv11.i/2020617.b/SV11023.d
Level 2: /var/chem/gcsv11.i/2020617.b/SV11024.d
Level 3: /var/chem/gcsv11.i/2020617.b/SV11025.d
Level 4: /var/chem/gcsv11.i/2020617.b/SV11027.d
Level 5: /var/chem/gcsv11.i/2020617.b/SV11028.d

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD	
	2 alpha-BHC	284128	332014	339488	377710	394279	345524	12.450	
	3 gamma-BHC (Lindane)	286275	327573	323228	360449	374306	334366	10.315	
	4 Heptachlor	245284	280466	271949	308301	319981	285196	10.423	
	5 Aldrin	282410	321017	316669	341612	348429	322028	8.038	
	6 beta-BHC	176842	173246	156901	163701	165359	167210	4.740	
	7 delta-BHC	266215	312270	305493	336338	343836	312830	9.776	
	8 Heptachlor epoxide	236623	266046	266447	280496	286213	267165	7.188	
	9 Endosulfan I	191090	222081	221410	253265	262537	230077	12.390	
	10 gamma-Chlordane	236330	267726	271927	290028	299221	273046	8.879	
	11 alpha-Chlordane	246120	274115	275396	294303	301027	278192	7.697	
	12 4,4'-DDE	238488	267368	258475	273733	277236	263060	5.884	
	13 Dieldrin	182003	216460	213948	246332	255073	222763	13.046	
	14 Endrin	166856	193265	187351	217200	224399	197814	11.778	
	15 4,4'-DDD	123412	156114	157680	185465	193157	163166	16.943	
	16 Endosulfan II	170378	198620	185182	209960	212634	195355	9.049	
	17 4,4'-DDT	75641	101941	112636	144829	154397	117889	27.241	<-
	18 Endrin aldehyde	77414	99607	88648	112464	113486	98324	15.775	
	19 Methoxychlor	52871	61109	59300	73151	76906	64667	15.510	
	20 Endosulfan sulfate	150384	163244	163086	171324	172336	164075	5.365	
	21 Endrin ketone	146848	170212	168308	176754	177264	167877	7.385	
M	23 AR 1016-AVG	53425	51074	48955	44377	37328	47032	13.536	
	24 AR 1016-PEAK1	6174	5973	5873	5399	4488	5582	12.077	
	25 AR 1016-PEAK2	11601	11112	10639	9521	7864	10147	14.695	
	26 AR 1016-PEAK3	23922	22694	21782	19795	16822	21003	13.239	
	27 AR 1016-PEAK4	11728	11295	10662	9662	8154	10300	13.877	
M	28 AR 1260-AVG	67155	66758	68214	65596	58944	65334	5.652	

Report Date : 26-Jun-2002 10:37

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 20:55
End Cal Date : 18-JUN-2002 08:45
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Cal Date : 26-Jun-2002 10:33 sab
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	RRF	% RSD
	29 AR 1260-PEAK1	7542	8038	9050	8729	7747	8221	7.847
	30 AR 1260-PEAK2	12323	11789	11404	10722	9373	11122	10.237
	31 AR 1260-PEAK3	16615	16878	16678	15678	13872	15944	7.823
	32 AR 1260-PEAK4	30675	30053	31083	30467	27952	30046	4.087
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	13472	+++++	+++++	13472	0.000
	38 AR 1221-PEAK1	+++++	+++++	3065	+++++	+++++	3065	0.000
	39 AR 1221-PEAK2	+++++	+++++	2019	+++++	+++++	2019	0.000
	40 AR 1221-PEAK3	+++++	+++++	7731	+++++	+++++	7731	0.000
	41 AR 1221-PEAK4	+++++	+++++	657	+++++	+++++	657	0.000
M	42 AR 1232-AVG	+++++	+++++	28293	+++++	+++++	28293	0.000
	43 AR 1232-PEAK1	+++++	+++++	7850	+++++	+++++	7850	0.000
	44 AR 1232-PEAK2	+++++	+++++	5069	+++++	+++++	5069	0.000
	45 AR 1232-PEAK3	+++++	+++++	10462	+++++	+++++	10462	0.000
	46 AR 1232-PEAK4	+++++	+++++	4913	+++++	+++++	4913	0.000
M	47 AR 1242-AVG	+++++	+++++	37722	+++++	+++++	37722	0.000
	48 AR 1242-PEAK1	+++++	+++++	4567	+++++	+++++	4567	0.000
	49 AR 1242-PEAK2	+++++	+++++	8243	+++++	+++++	8243	0.000
	50 AR 1242-PEAK3	+++++	+++++	16911	+++++	+++++	16911	0.000
	51 AR 1242-PEAK4	+++++	+++++	8002	+++++	+++++	8002	0.000
M	52 AR 1248-AVG	+++++	+++++	58488	+++++	+++++	58488	0.000
	53 AR 1248-PEAK1	+++++	+++++	11191	+++++	+++++	11191	0.000
	54 AR 1248-PEAK2	+++++	+++++	15852	+++++	+++++	15852	0.000
	55 AR 1248-PEAK3	+++++	+++++	11300	+++++	+++++	11300	0.000
	56 AR 1248-PEAK4	+++++	+++++	6447	+++++	+++++	6447	0.000
M	57 AR 1254-AVG	+++++	+++++	43347	+++++	+++++	43347	0.000
	58 AR 1254-PEAK1	+++++	+++++	9422	+++++	+++++	9422	0.000
	59 AR 1254-PEAK2	+++++	+++++	14375	+++++	+++++	14375	0.000
	60 AR 1254-PEAK3	+++++	+++++	7963	+++++	+++++	7963	0.000
	61 AR 1254-PEAK4	+++++	+++++	11588	+++++	+++++	11588	0.000

Report Date : 26-Jun-2002 10:37

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 17-JUN-2002 20:55
End Cal Date : 18-JUN-2002 08:45
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Cal Date : 26-Jun-2002 10:33 sab
Curve Type : Average

	Compound	5.000 Level 1	40.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	___ RRF	% RSD
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	10107	10107	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	1546	1546	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	2041	2041	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	2802	2802	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	3717	3717	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	104679	104679	0.000
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	93486	93486	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	10272	10272	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	17814	17814	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	26976	26976	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	38423	38423	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	38192	38192	0.000
	164 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	165 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	166 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$	1 Tetrachloro-m-xylene	257817	256036	232167	248838	255239	250019	4.216
$	22 Decachlorobiphenyl	174470	175606	157420	184183	187144	175765	6.602

Report Date : 26-Jun-2002 10:37

Gulf Coast Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date	: 17-JUN-2002 20:55
End Cal Date	: 18-JUN-2002 08:45
Quant Method	: ESTD
Origin	: Disabled
Target Version	: 3.50
Integrator	: Falcon
Method file	: /var/chem/gcsv11.i/2020617.b/pest1701a.m
Cal Date	: 26-Jun-2002 10:33 sab
Curve Type	: Average

```
|Average %RSD Results.                                |
|=====================================================|
|Calculated Average %RSD = 10.4299144                 |
|Maximun Average %RSD    =         20                 |
|* Passed Average %RSD Test.                          |
|_____________________________________________________|
```

Data File: /var/chem/gcsv11.i/2020617.b/SV11023.d
Report Date: 26-Jun-2002 10:33

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11023.d
Lab Smp Id: AR 1016/1260 I Client Smp ID: AR 1016/1260 I
Inj Date : 18-JUN-2002 06:17
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 I
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:33 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 06:17 Cal File: SV11023.d
Als bottle: 23 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

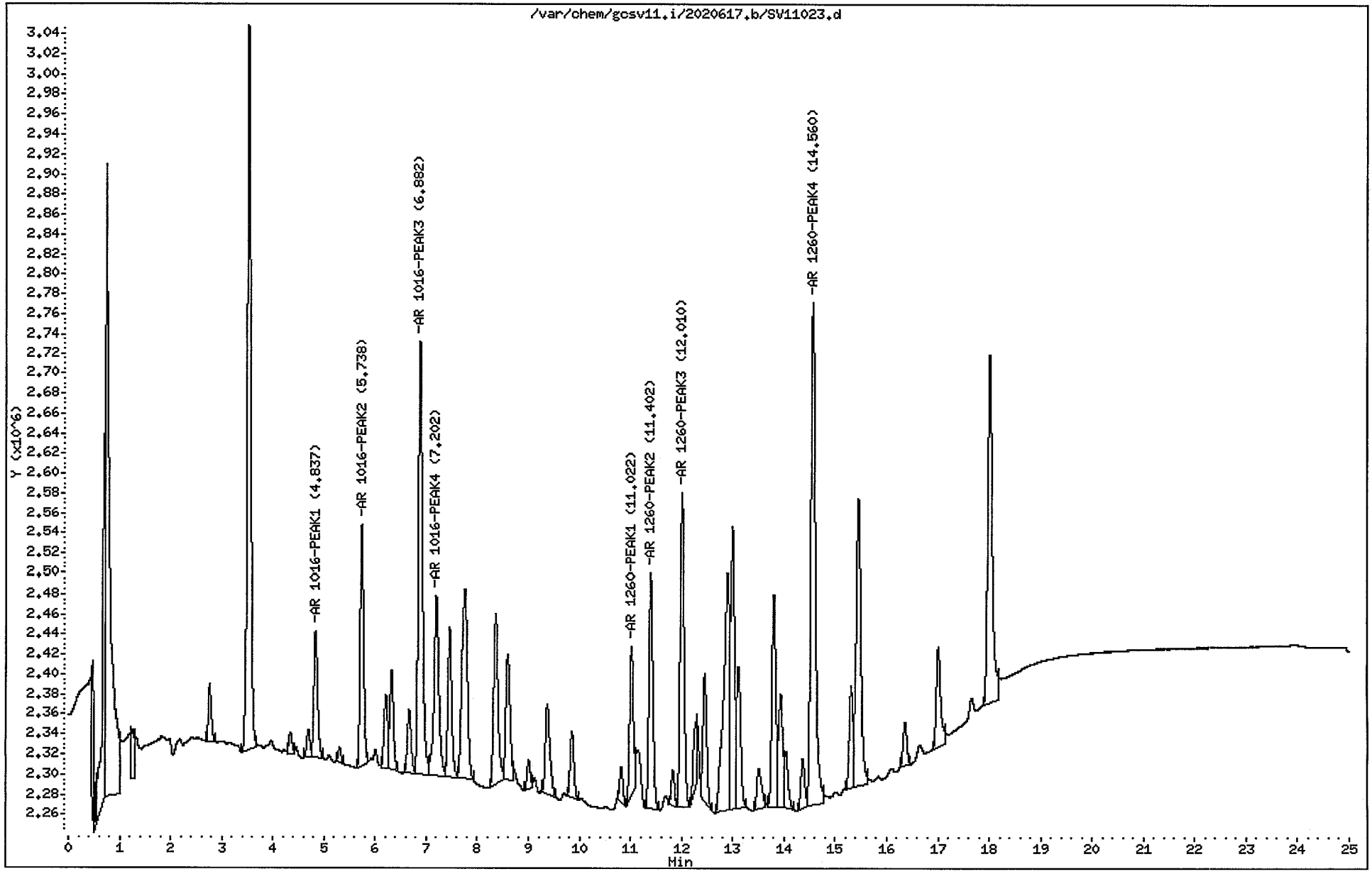
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				5342545	100.000	113.5939
24 AR 1016-PEAK1	4.837	4.835	0.002	617441	100.000	110.6219
25 AR 1016-PEAK2	5.738	5.737	0.001	1160142	100.000	114.3292
26 AR 1016-PEAK3	6.882	6.879	0.003	2392167	100.000	113.8971
27 AR 1016-PEAK4	7.202	7.198	0.004	1172795	100.000	113.8616
M 28 AR 1260-AVG				6715529	100.000	102.7883
29 AR 1260-PEAK1	11.022	11.018	0.004	754211	100.000	91.7383
30 AR 1260-PEAK2	11.402	11.400	0.002	1232346	100.000	110.7994
31 AR 1260-PEAK3	12.010	12.008	0.002	1661506	100.000	104.2071
32 AR 1260-PEAK4	14.560	14.558	0.002	3067466	100.000	102.0933

Data File: /var/chem/gcsv11.i/2020617.b/SV11023.d
Date : 18-JUN-2002 06:17
Client ID: AR 1016/1260 I
Sample Info: AR 1016/1260 I
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53

000521



Data File: /var/chem/gcsv11.i/2020617.b/SV11024.d
Report Date: 26-Jun-2002 10:33

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11024.d
Lab Smp Id: AR 1016/1260 II Client Smp ID: AR 1016/1260 II
Inj Date : 18-JUN-2002 06:47
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 II
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:33 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 06:47 Cal File: SV11024.d
Als bottle: 24 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

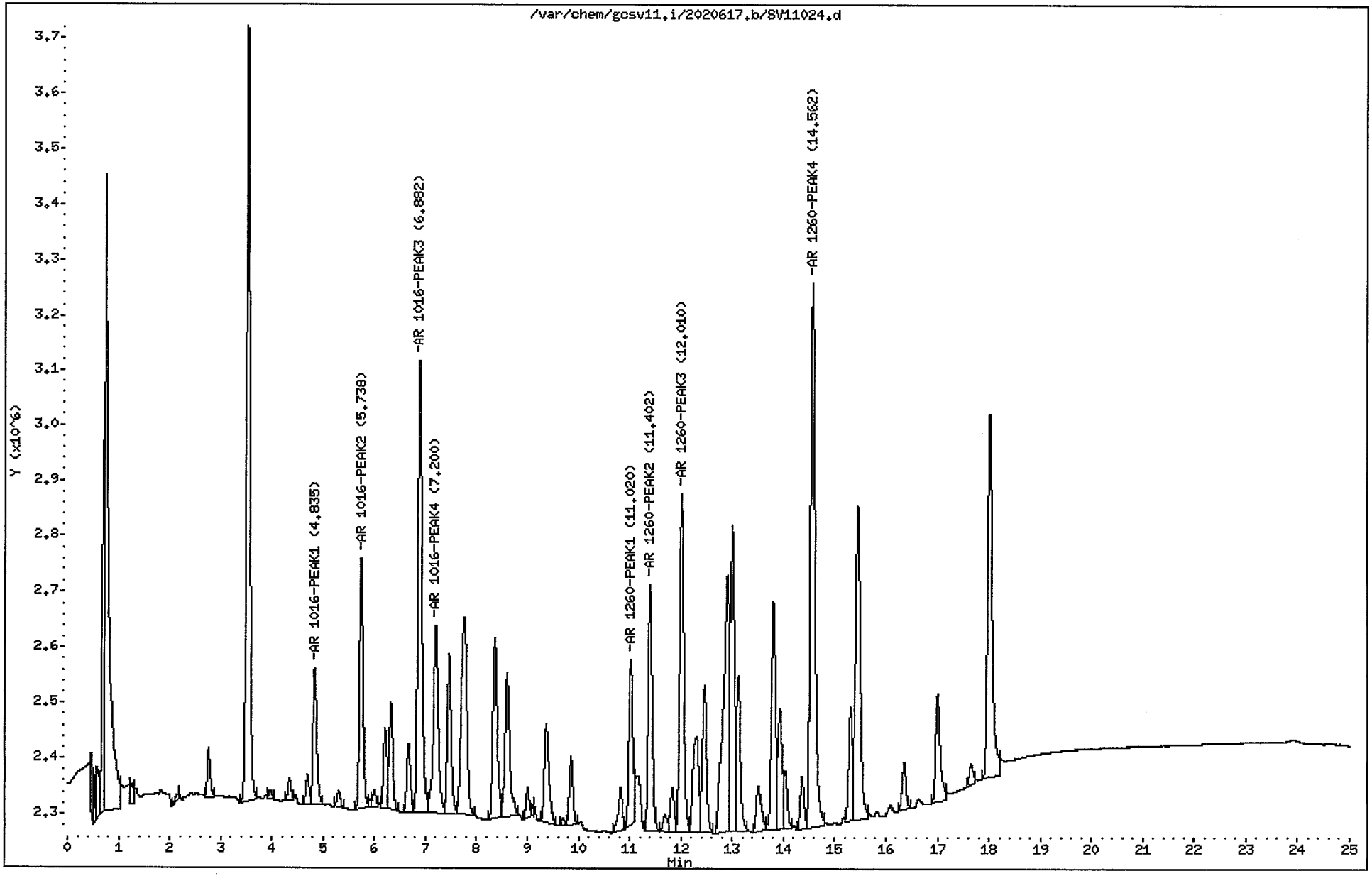
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				10214742	200.000	217.1872
24 AR 1016-PEAK1	4.835	4.835	0.000	1194567	200.000	214.0209
25 AR 1016-PEAK2	5.738	5.737	0.001	2222358	200.000	219.0082
26 AR 1016-PEAK3	6.882	6.879	0.003	4538811	200.000	216.1043
27 AR 1016-PEAK4	7.200	7.198	0.002	2259006	200.000	219.3171
M 28 AR 1260-AVG				13351562	200.000	204.3598
29 AR 1260-PEAK1	11.020	11.018	0.002	1607627	200.000	195.5434
30 AR 1260-PEAK2	11.402	11.400	0.002	2357784	200.000	211.9867
31 AR 1260-PEAK3	12.010	12.008	0.002	3375612	200.000	211.7133
32 AR 1260-PEAK4	14.562	14.558	0.004	6010539	200.000	200.0466

Data File: /var/chem/gcsv11.i/2020617.b/SV11024.d
Date : 18-JUN-2002 06:47
Client ID: AR 1016/1260 II
Sample Info: AR 1016/1260 II
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53

000523



Data File: /var/chem/gcsv11.i/2020617.b/SV11025.d
Report Date: 26-Jun-2002 10:33

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11025.d
Lab Smp Id: AR 1016/1260 III Client Smp ID: AR 1016/1260 III
Inj Date : 18-JUN-2002 07:16
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 III
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:33 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 25 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

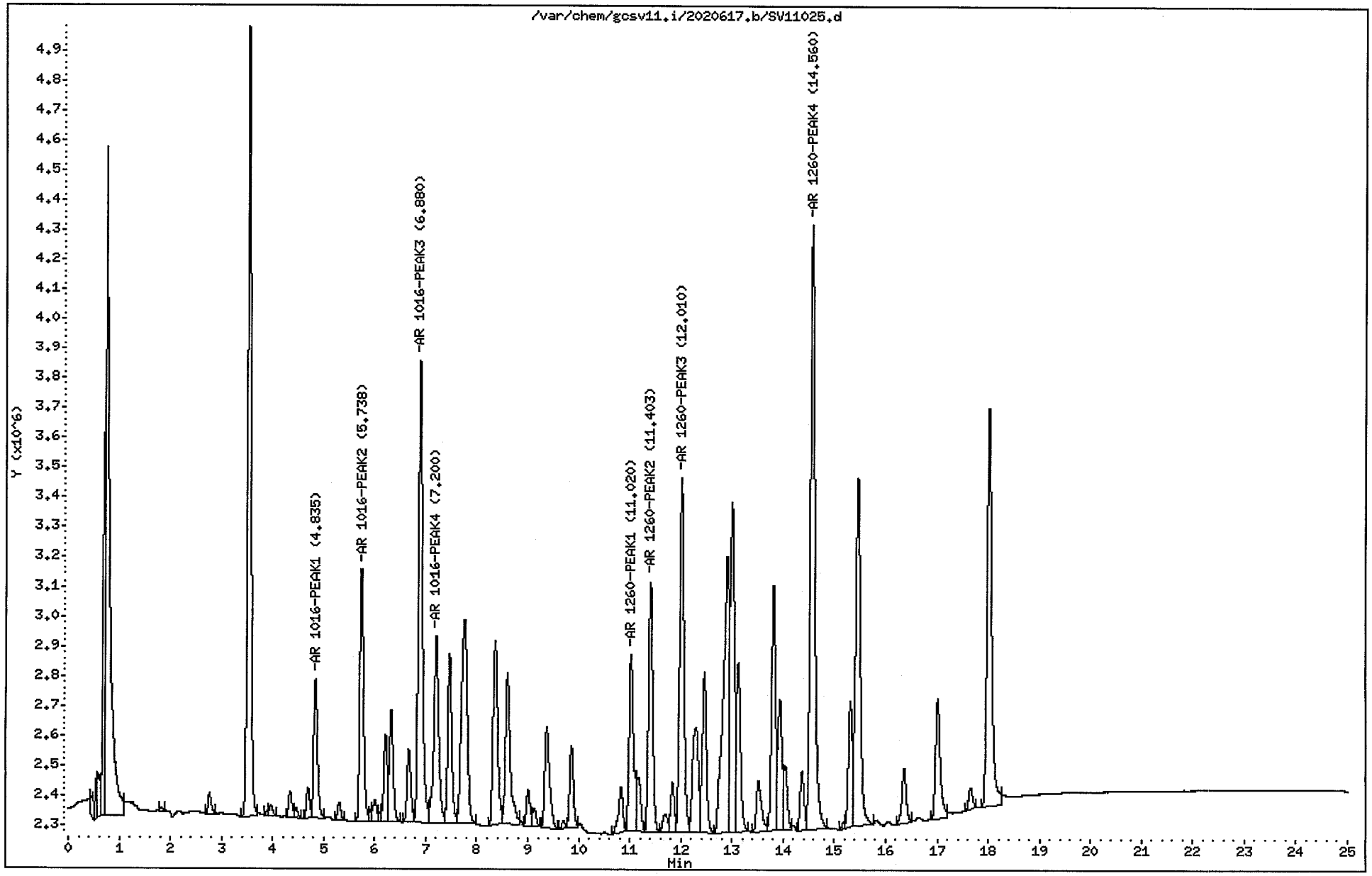
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				19582173	400.000	416.3588
24 AR 1016-PEAK1	4.835	4.835	0.000	2349080	400.000	420.8657
25 AR 1016-PEAK2	5.738	5.737	0.001	4255705	400.000	419.3898
26 AR 1016-PEAK3	6.880	6.880	0.000	8712615	400.000	414.8297
27 AR 1016-PEAK4	7.200	7.199	0.001	4264773	400.000	414.0485
M 28 AR 1260-AVG				27285701	400.000	417.6366
29 AR 1260-PEAK1	11.020	11.019	0.001	3620123	400.000	440.3330
30 AR 1260-PEAK2	11.403	11.401	0.002	4561521	400.000	410.1233
31 AR 1260-PEAK3	12.010	12.009	0.001	6671000	400.000	418.3952
32 AR 1260-PEAK4	14.560	14.559	0.001	12433057	400.000	413.8049

Data File: /var/chem/gcsv11.i/2020617.b/SV11025.d
Date : 18-JUN-2002 07:16
Client ID: AR 1016/1260 III
Sample Info: AR 1016/1260 III
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000525



Data File: /var/chem/gcsv11.i/2020617.b/SV11027.d
Report Date: 26-Jun-2002 10:33

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11027.d
Lab Smp Id: AR 1016/1260 IV Client Smp ID: AR 1016/1260 IV
Inj Date : 18-JUN-2002 08:15
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 IV
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:33 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 08:15 Cal File: SV11027.d
Als bottle: 27 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

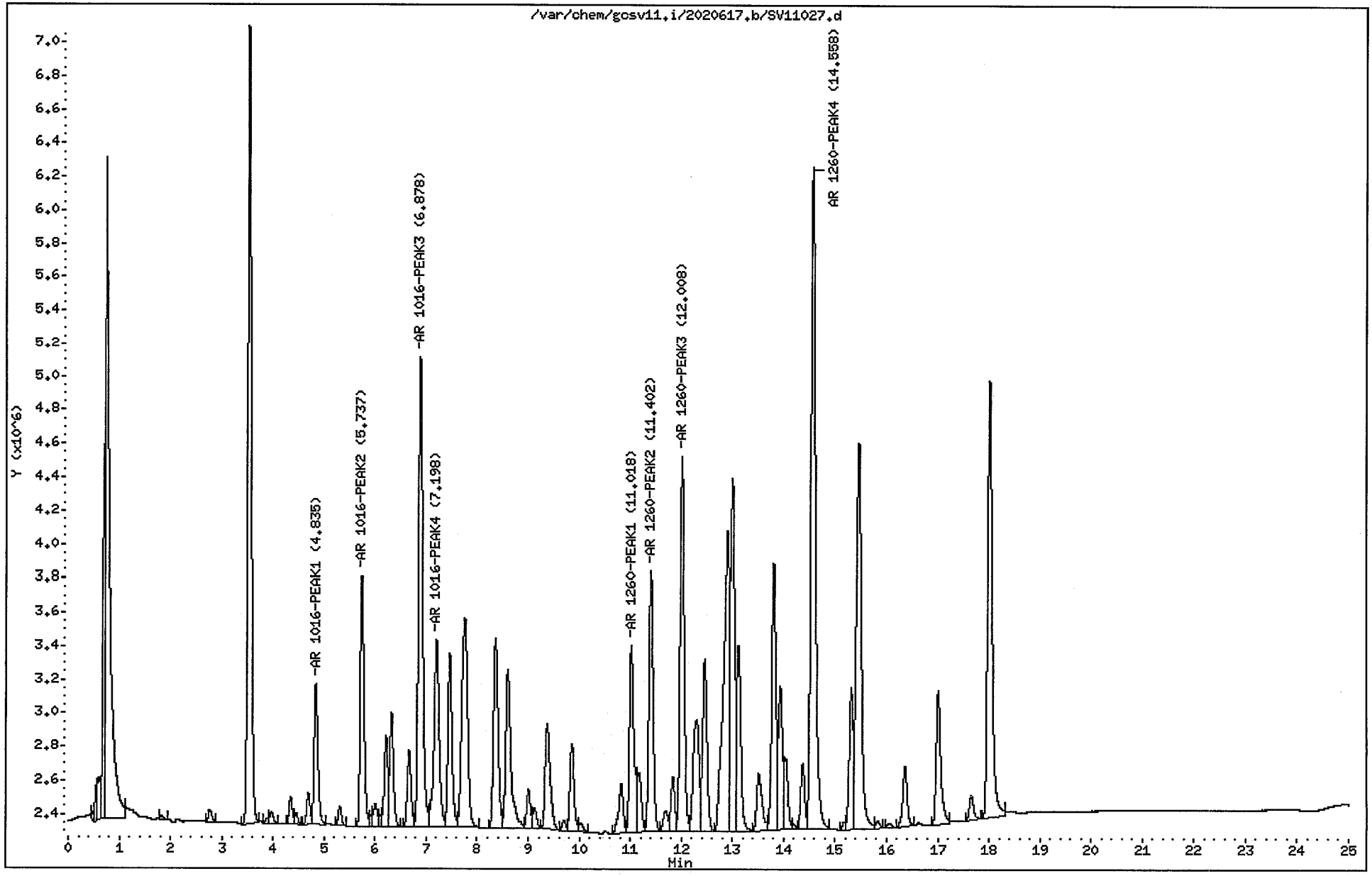
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				35501791	800.000	754.8439
24 AR 1016-PEAK1	4.835	4.835	0.000	4319503	800.000	773.8906
25 AR 1016-PEAK2	5.737	5.737	0.000	7616597	800.000	750.5978
26 AR 1016-PEAK3	6.878	6.880	-0.002	15836162	800.000	753.9999
27 AR 1016-PEAK4	7.198	7.199	-0.001	7729529	800.000	750.4268
M 28 AR 1260-AVG				52476902	800.000	803.2147
29 AR 1260-PEAK1	11.018	11.019	-0.001	6983214	800.000	849.4021
30 AR 1260-PEAK2	11.402	11.401	0.001	8577650	800.000	771.2108
31 AR 1260-PEAK3	12.008	12.009	-0.001	12542731	800.000	786.6614
32 AR 1260-PEAK4	14.558	14.559	-0.001	24373307	800.000	811.2080

Data File: /var/chem/gcsv11.i/2020617.b/SV11027.d
Date : 18-JUN-2002 08:15
Client ID: AR 1016/1260 IV
Sample Info: AR 1016/1260 IV
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000527



Data File: /var/chem/gcsv11.i/2020617.b/SV11028.d
Report Date: 26-Jun-2002 10:33

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11028.d
Lab Smp Id: AR 1016/1260 V Client Smp ID: AR 1016/1260 V
Inj Date : 18-JUN-2002 08:45
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 V
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:33 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 08:45 Cal File: SV11028.d
Als bottle: 28 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

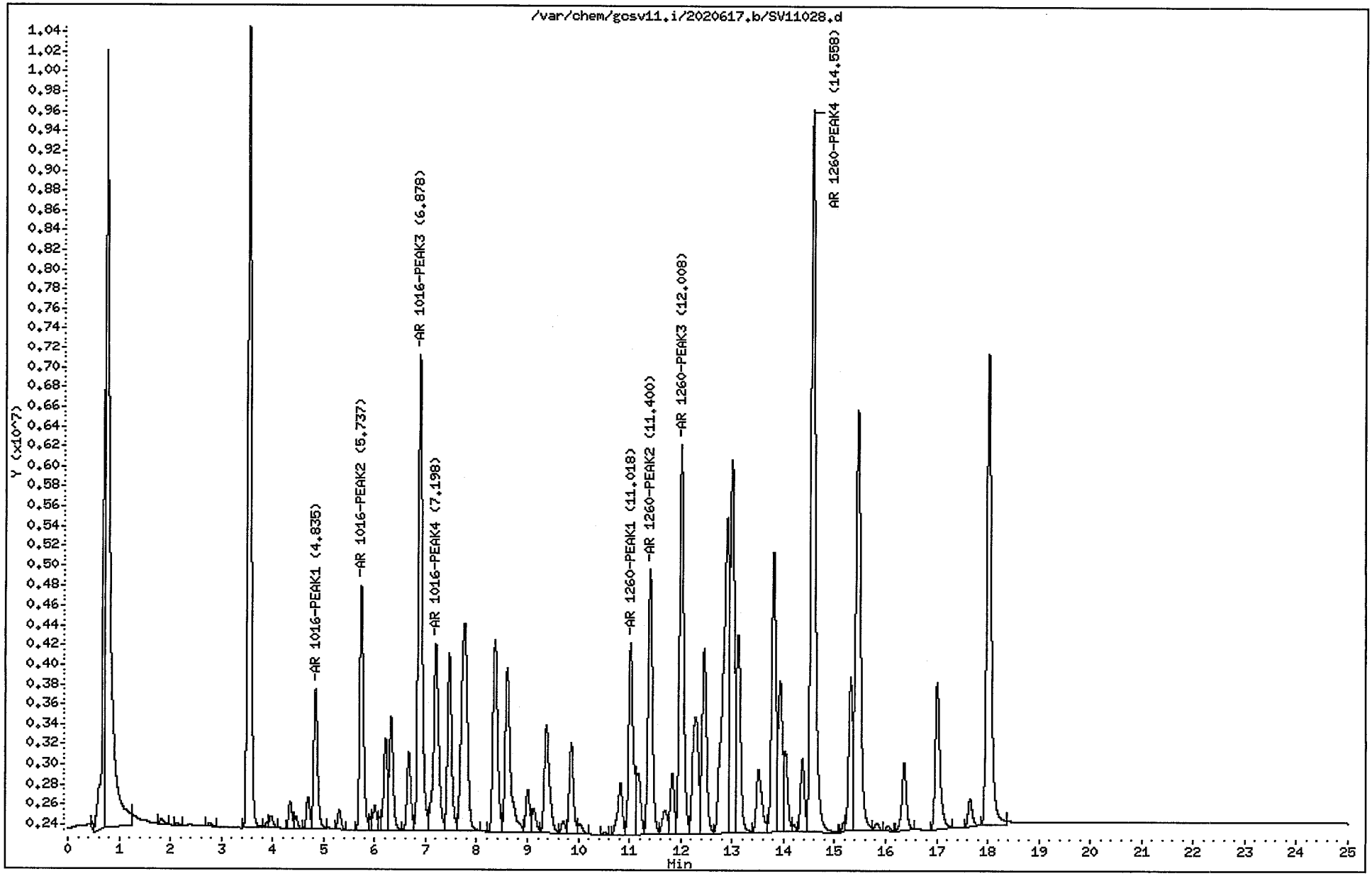
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				59724766	1600.00	1269.8761
24 AR 1016-PEAK1	4.835	4.835	0.000	7181417	1600.00	1286.6367
25 AR 1016-PEAK2	5.737	5.737	0.000	12581836	1600.00	1239.9106
26 AR 1016-PEAK3	6.878	6.880	-0.002	26915014	1600.00	1281.4922
27 AR 1016-PEAK4	7.198	7.199	-0.001	13046499	1600.00	1266.6286
M 28 AR 1260-AVG				94311165	1600.00	1443.5325
29 AR 1260-PEAK1	11.018	11.019	-0.001	12395316	1600.00	1507.7023
30 AR 1260-PEAK2	11.400	11.401	-0.001	14997330	1600.00	1348.4000
31 AR 1260-PEAK3	12.008	12.009	-0.001	22195587	1600.00	1392.0742
32 AR 1260-PEAK4	14.558	14.559	-0.001	44722932	1600.00	1488.4972

Data File: /var/chem/gcsv11.i/2020617.b/SV11028.d
Date : 18-JUN-2002 08:45
Client ID: AR 1016/1260 V
Sample Info: AR 1016/1260 V
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53

000529



Data File: /var/chem/gcsv11.i/2020617.b/SV11026.d
Report Date: 01-Jul-2002 12:39

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11026.d
Analysis Type: SOIL
Lab Sample ID: AR 1016/1260 III IC Quant Type: ESTD
Method: /var/chem/gcsv11.i/2020617.b/pest1701a.m

Injection Date: 18-JUN-2002 07:46
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 20:55 08:45

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	47032	44567	0.010	5.24181	15.00000	Averaged
24 AR 1016-PEAK1	5582	5257	0.010	5.81899	15.00000	Averaged
25 AR 1016-PEAK2	10147	9748	0.010	3.93896	15.00000	Averaged
26 AR 1016-PEAK3	21003	19899	0.010	5.25365	15.00000	Averaged
27 AR 1016-PEAK4	10300	9663	0.010	6.18841	15.00000	Averaged
M 28 AR 1260-AVG	65334	63401	0.010	2.95769	15.00000	Averaged
29 AR 1260-PEAK1	8221	8562	0.010	-4.14716	15.00000	Averaged
30 AR 1260-PEAK2	11122	10790	0.010	2.98387	15.00000	Averaged
31 AR 1260-PEAK3	15944	15455	0.010	3.07093	15.00000	Averaged
32 AR 1260-PEAK4	30046	28594	0.010	4.83198	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.44334
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020617.b/SV11026.d
Report Date: 19-Jun-2002 11:16

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11026.d
Lab Smp Id: AR 1016/1260 III IC
Inj Date : 18-JUN-2002 07:46
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 III ICV
Misc Info :
Comment :
Method : /chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 19-Jun-2002 11:16 tnt Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

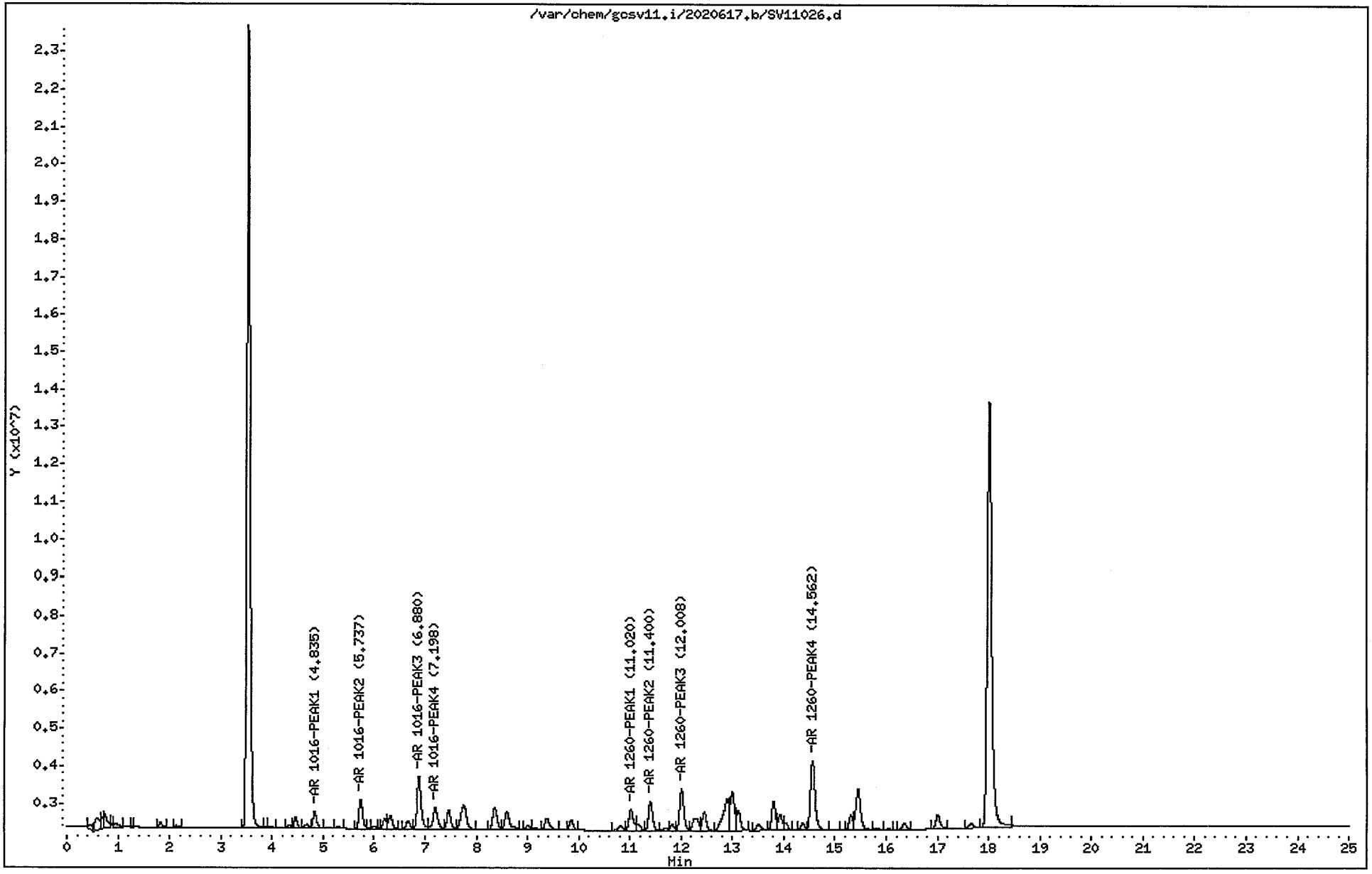
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				17826655	400.000	348.5067
24 AR 1016-PEAK1	4.835	4.835	0.000	2102701	400.000	350.0622
25 AR 1016-PEAK2	5.737	5.737	0.000	3899069	400.000	350.7148
26 AR 1016-PEAK3	6.880	6.880	0.000	7959781	400.000	349.1271
27 AR 1016-PEAK4	7.198	7.199	-0.001	3865104	400.000	344.2286
M 28 AR 1260-AVG				25360491	400.000	376.4036
29 AR 1260-PEAK1	11.020	11.019	0.001	3424912	400.000	417.1541
30 AR 1260-PEAK2	11.400	11.401	-0.001	4316176	400.000	364.5810
31 AR 1260-PEAK3	12.008	12.009	-0.001	6181847	400.000	369.6494
32 AR 1260-PEAK4	14.562	14.560	0.002	11437556	400.000	373.7356

Data File: /var/chem/gcsv11.i/2020617.b/SV11026.d
Date : 18-JUN-2002 07:46
Client ID:
Sample Info: AR 1016/1260 III ICV
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000532



Data File: /var/chem/gcsv11.i/2020617.b/SV11066.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11066.d
Analysis Type: SOIL
Lab Sample ID: AR 1016/1260 III Quant Type: ESTD
Method: /var/chem/gcsv11.i/2020617.b/pest1701a.m

Injection Date: 21-JUN-2002 11:33
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 20:55 08:45

	COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M	23 AR 1016-AVG	47032	49149	0.010	-4.50228	15.00000	Averaged
	24 AR 1016-PEAK1	5582	6118	0.010	-9.61017	15.00000	Averaged
	25 AR 1016-PEAK2	10147	10820	0.010	-6.63242	15.00000	Averaged
	26 AR 1016-PEAK3	21003	21633	0.010	-2.99828	15.00000	Averaged
	27 AR 1016-PEAK4	10300	10579	0.010	-2.70265	15.00000	Averaged
M	28 AR 1260-AVG	65334	61684	0.010	5.58618	15.00000	Averaged
	29 AR 1260-PEAK1	8221	7454	0.010	9.33783	15.00000	Averaged
	30 AR 1260-PEAK2	11122	10494	0.010	5.65069	15.00000	Averaged
	31 AR 1260-PEAK3	15944	15334	0.010	3.82658	15.00000	Averaged
	32 AR 1260-PEAK4	30046	28402	0.010	5.46950	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 5.63166
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020617.b/SV11066.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11066.d
Lab Smp Id: AR 1016/1260 III Client Smp ID: AR 1016/1260 III
Inj Date : 21-JUN-2002 11:33
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 III
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

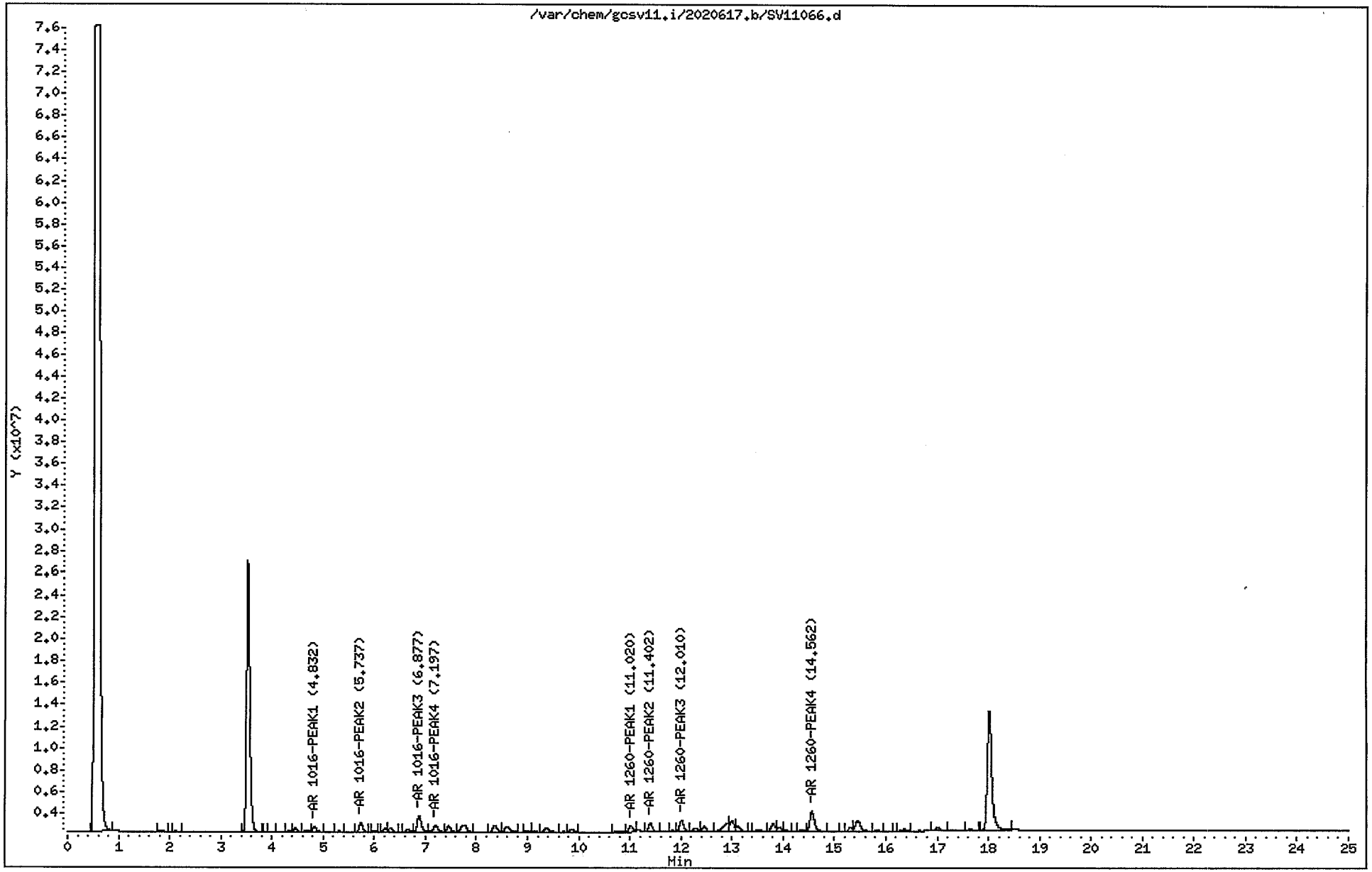
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				19659791	400.000	418.0091
24 AR 1016-PEAK1	4.832	4.835	-0.003	2447175	400.000	438.4406
25 AR 1016-PEAK2	5.737	5.737	0.000	4328156	400.000	426.5296
26 AR 1016-PEAK3	6.877	6.879	-0.002	8653038	400.000	411.9931
27 AR 1016-PEAK4	7.197	7.199	-0.002	4231422	400.000	410.8106
M 28 AR 1260-AVG				24673577	400.000	377.6552
29 AR 1260-PEAK1	11.020	11.019	0.001	2981454	400.000	362.6486
30 AR 1260-PEAK2	11.402	11.401	0.001	4197531	400.000	377.3972
31 AR 1260-PEAK3	12.010	12.009	0.001	6133654	400.000	384.6936
32 AR 1260-PEAK4	14.562	14.560	0.002	11360938	400.000	378.1220

Data File: /var/chem/gcsv11.i/2020617.b/SV11066.d
Date : 21-JUN-2002 11:33
Client ID: AR 1016/1260 III
Sample Info: AR 1016/1260 III
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53

000535



Data File: /var/chem/gcsv11.i/2020617.b/SV11078.d
Report Date: 26-Jun-2002 10:32

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv11.i
Lab File ID: SV11078.d
Analysis Type: SOIL
Lab Sample ID: AR 1016/1260

Injection Date: 21-JUN-2002 20:06
Init. Cal. Date(s): 17-JUN-2002 18-JUN-2002
Init. Cal. Times: 20:55 08:45
III Quant Type: ESTD

Method: /var/chem/gcsv11.i/2020617.b/pest1701a.m

	COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M	23 AR 1016-AVG	47032	46306	0.010	1.54420	15.00000	Averaged
	24 AR 1016-PEAK1	5582	5471	0.010	1.98273	15.00000	Averaged
	25 AR 1016-PEAK2	10147	10148	0.010	-0.01108	15.00000	Averaged
	26 AR 1016-PEAK3	21003	20524	0.010	2.28097	15.00000	Averaged
	27 AR 1016-PEAK4	10300	10163	0.010	1.33641	15.00000	Averaged
M	28 AR 1260-AVG	65334	65119	0.010	0.32878	15.00000	Averaged
	29 AR 1260-PEAK1	8221	8885	0.010	-8.07733	15.00000	Averaged
	30 AR 1260-PEAK2	11122	10864	0.010	2.31822	15.00000	Averaged
	31 AR 1260-PEAK3	15944	15941	0.010	0.02095	15.00000	Averaged
	32 AR 1260-PEAK4	30046	29428	0.010	2.05580	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 1.99565
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv11.i/2020617.b/SV11078.d
Report Date: 26-Jun-2002 10:32

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11078.d
Lab Smp Id: AR 1016/1260 III Client Smp ID: AR 1016/1260 III
Inj Date : 21-JUN-2002 20:06
Operator : tnt Inst ID: gcsv11.i
Smp Info : AR 1016/1260 III
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ARO1260.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

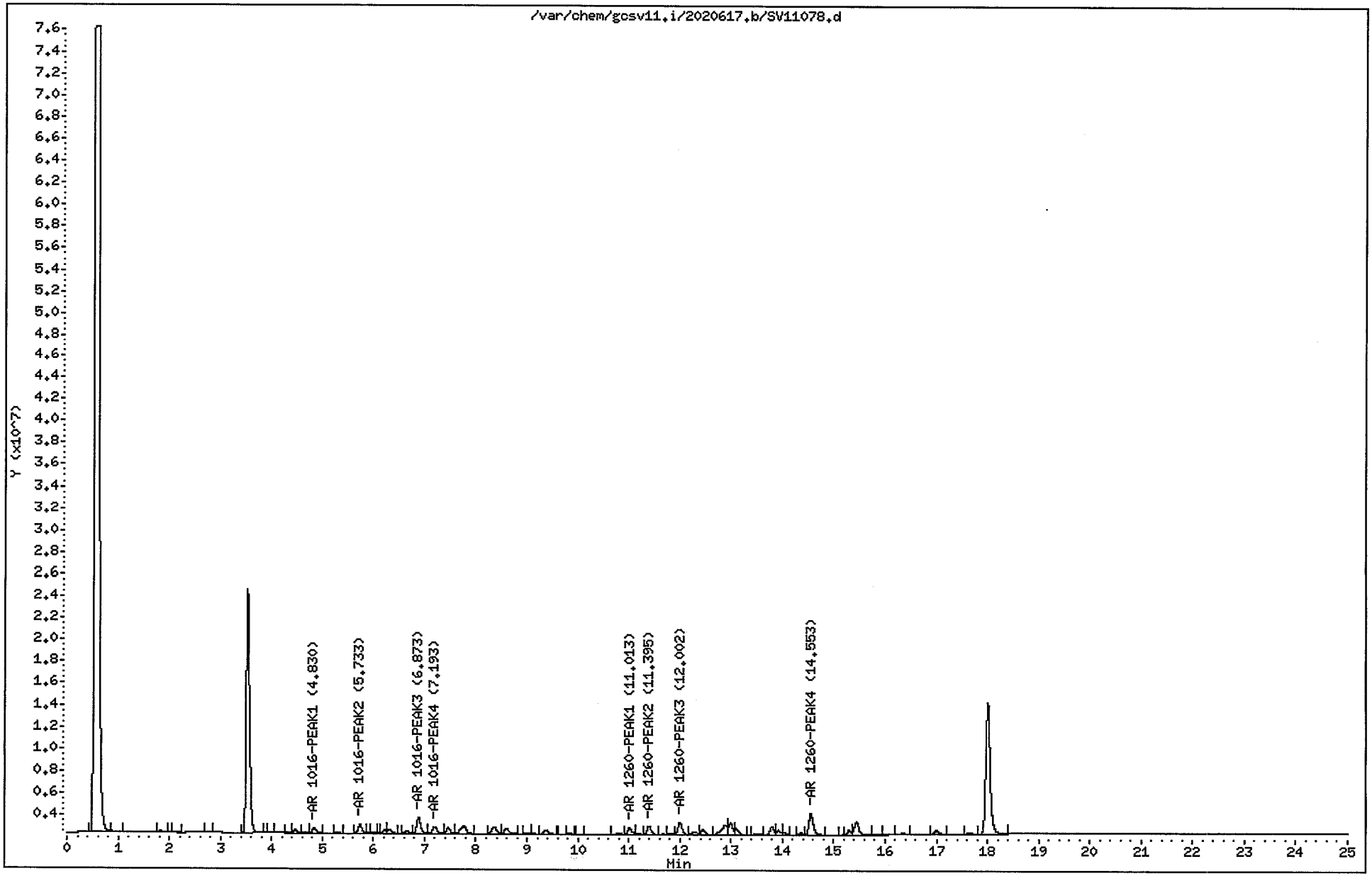
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				18522279	400.000	393.8231
24 AR 1016-PEAK1	4.830	4.835	-0.005	2188350	400.000	392.0690
25 AR 1016-PEAK2	5.733	5.737	-0.004	4059399	400.000	400.0443
26 AR 1016-PEAK3	6.873	6.879	-0.006	8209520	400.000	390.8761
27 AR 1016-PEAK4	7.193	7.198	-0.005	4065010	400.000	394.6543
M 28 AR 1260-AVG				26047518	400.000	398.6848
29 AR 1260-PEAK1	11.013	11.018	-0.005	3554157	400.000	432.3093
30 AR 1260-PEAK2	11.395	11.400	-0.005	4345790	400.000	390.7271
31 AR 1260-PEAK3	12.002	12.008	-0.006	6376366	400.000	399.9162
32 AR 1260-PEAK4	14.553	14.558	-0.005	11771205	400.000	391.7767

Data File: /var/chem/gcsv11.i/2020617.b/SV11078.d
Date : 21-JUN-2002 20:06
Client ID: AR 1016/1260 III
Sample Info: AR 1016/1260 III
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53



000538

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46420	Method Blank	Solid	06/21/2002 17:12

SW-846 8082

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145851	3540C	1	06/21/2002 12:09	SAB	146073

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
12674-11-	Aroclor-1016	ND	40.0		ug/Kg
11104-28-	Aroclor-1221	ND	40.0		ug/Kg
11141-16-	Aroclor-1232	ND	40.0		ug/Kg
53469-21-	Aroclor-1242	ND	40.0		ug/Kg
12672-29-	Aroclor-1248	ND	40.0		ug/Kg
11097-69-	Aroclor-1254	ND	40.0		ug/Kg
11096-82-	Aroclor-1260	ND	40.0		ug/Kg

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	Tetrachloro-m-xylene	16.7	23 ug/Kg	138	60 - 150
2051-24-3	Decachlorobiphenyl	16.7	23.8 ug/Kg	143	60 - 150

Data File: /var/chem/gcsv11.i/2020617.b/SV11067.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11067.d
Lab Smp Id: 46420 Client Smp ID: 46420
Inj Date : 21-JUN-2002 12:09
Operator : tnt Inst ID: gcsv11.i
Smp Info : 46420
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (ug/Kg)	
$ 1 Tetrachloro-m-xylene	3.522	3.524	-0.002	17295543	69.1768	23.0589	
$ 22 Decachlorobiphenyl	18.007	18.006	0.001	12552195	71.4148	23.8049	
M 33 AR 1260-AVGII				187348			(a)
34 AR 1260-PEAK5	0.982	1.001	-0.019	187348			(a)

QC Flag Legend

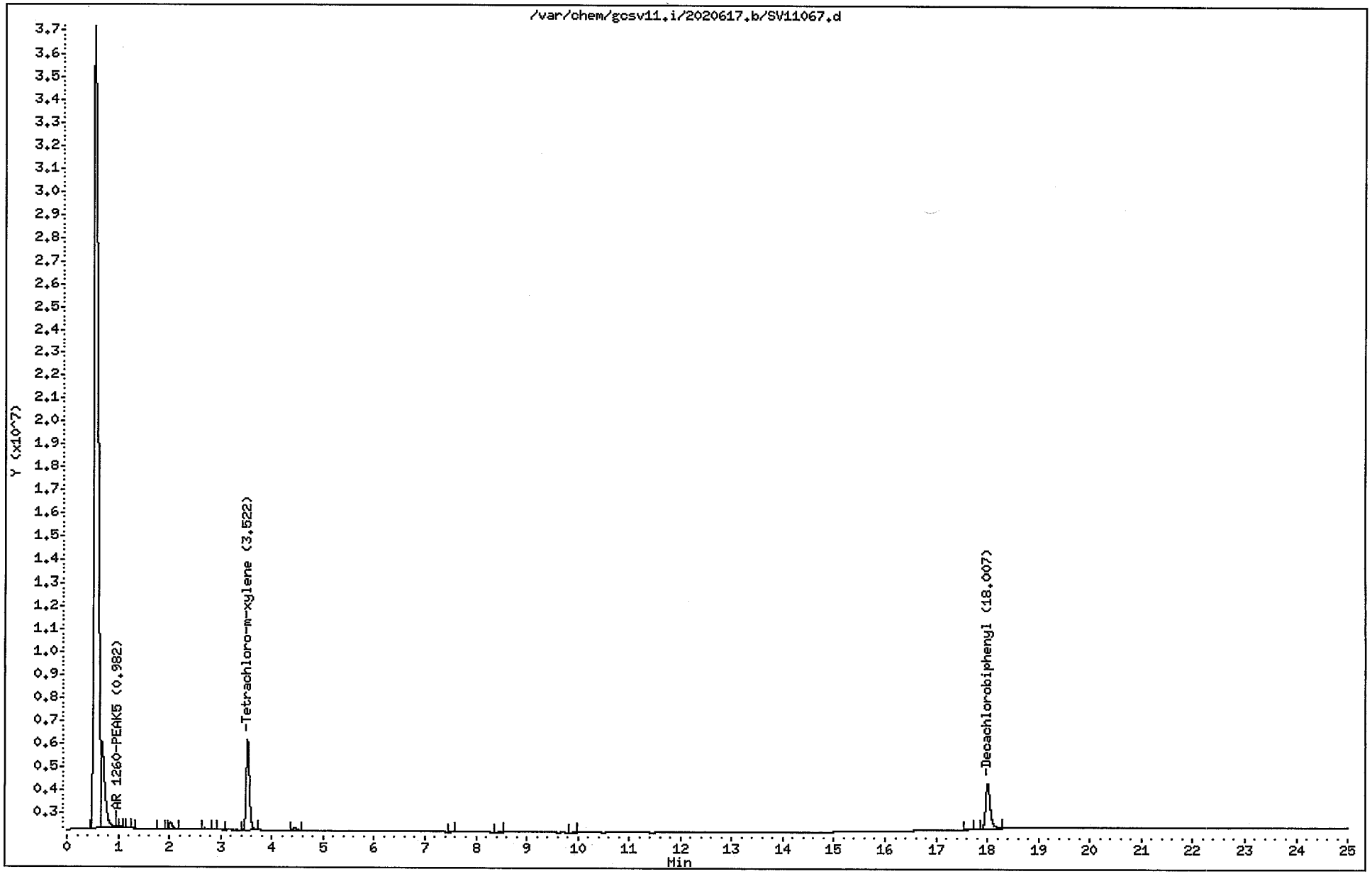
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/gcsv11.i/2020617.b/SV11067.d
Date : 21-JUN-2002 12:09
Client ID: 46420
Sample Info: 46420
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000541



QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46421	Lab Control Sample	Solid	06/21/2002 17:12

SW-846 8082

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/20/2002 10:30	145851	3540C	1	06/21/2002 12:39	SAB	146073

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
12674-11-	**Aroclor-1016**	**115**	**40.0**		**ug/Kg**
11104-28-	Aroclor-1221	ND	40.0		ug/Kg
11141-16-	Aroclor-1232	ND	40.0		ug/Kg
53469-21-	Aroclor-1242	ND	40.0		ug/Kg
12672-29-	Aroclor-1248	ND	40.0		ug/Kg
11097-69-	Aroclor-1254	ND	40.0		ug/Kg
11096-82-	**Aroclor-1260**	**125**	**40.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	16.7	19.7 ug/Kg	118	60 - 150
2051-24-3	**Decachlorobiphenyl**	16.7	21.2 ug/Kg	127	60 - 150

Data File: /var/chem/gcsv11.i/2020617.b/SV11068.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11068.d
Lab Smp Id: 46421 Client Smp ID: 46421
Inj Date : 21-JUN-2002 12:39
Operator : tnt Inst ID: gcsv11.i
Smp Info : 46421
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

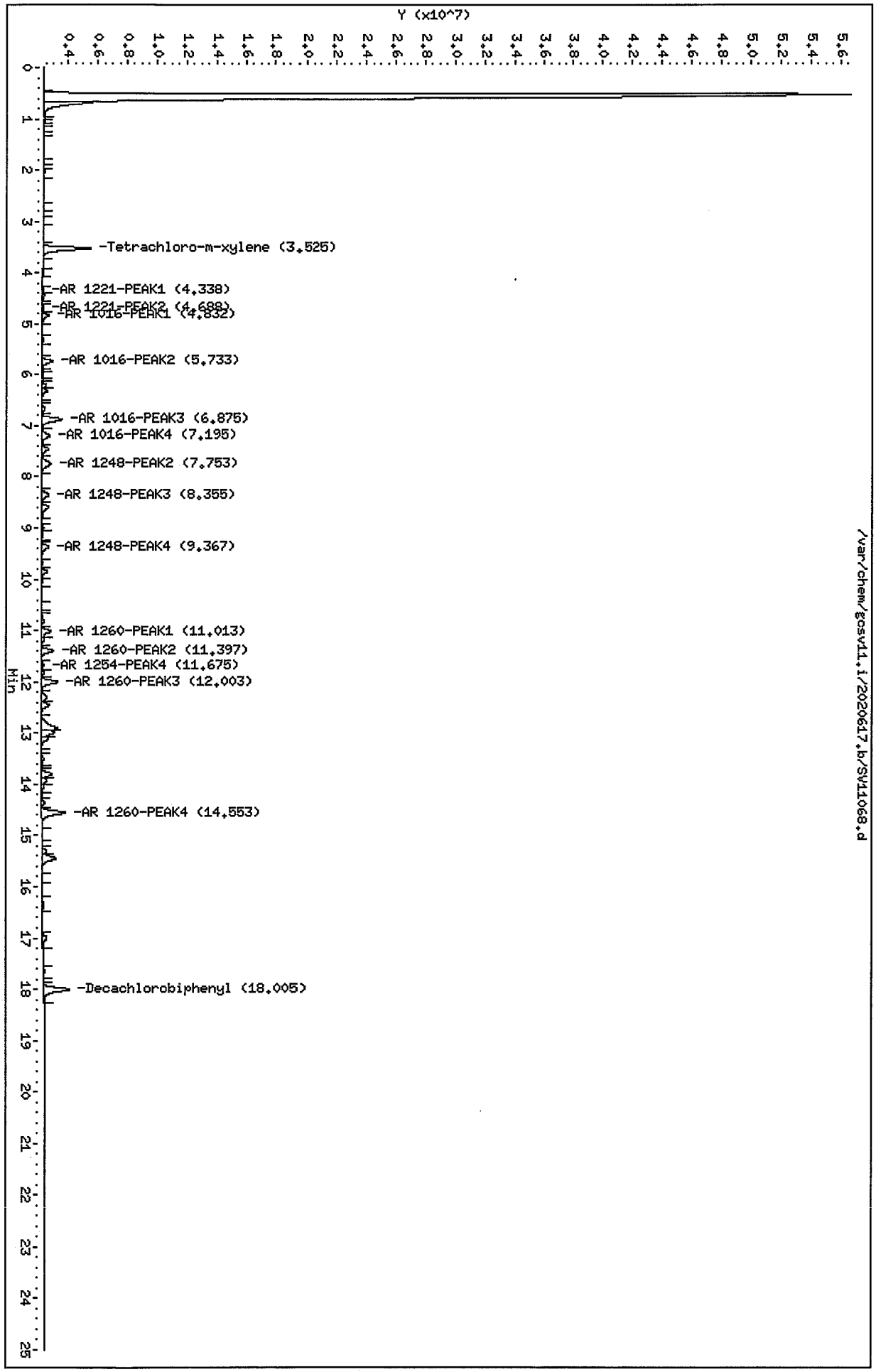
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.525	3.524	0.001	14781088	59.1198	19.7065
$ 22 Decachlorobiphenyl	18.005	18.006	-0.001	11178979	63.6020	21.2006
M 23 AR 1016-AVG				16225713	344.993	114.9977
24 AR 1016-PEAK1	4.832	4.835	-0.003	1976085	354.039	118.0130
25 AR 1016-PEAK2	5.733	5.737	-0.004	3548255	349.672	116.5574
26 AR 1016-PEAK3	6.875	6.879	-0.004	7333324	349.158	116.3860
27 AR 1016-PEAK4	7.195	7.199	-0.004	3368049	326.989	108.9964
M 28 AR 1260-AVG				24585273	376.304	125.4345
29 AR 1260-PEAK1	11.013	11.019	-0.006	3901861	474.602	158.2007
30 AR 1260-PEAK2	11.397	11.401	-0.004	4353962	391.462	130.4872
31 AR 1260-PEAK3	12.003	12.009	-0.006	6458112	405.043	135.0143
32 AR 1260-PEAK4	14.553	14.560	-0.007	9871338	328.544	109.5147

Data File: /var/chem/gcsv11.i/2020617.b/SV11068.d
Report Date: 26-Jun-2002 10:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (ug/Kg)
M 37 AR 1221-AVG				674659	50.0791	16.6930
38 AR 1221-PEAK1	4.338	4.338	0.000	312985	102.120	34.0401
39 AR 1221-PEAK2	4.688	4.690	-0.002	361674	179.133	59.7109
M 52 AR 1248-AVG				10658265	182.229	60.7430
54 AR 1248-PEAK2	7.753	7.752	0.001	4591960	289.684	96.5612
55 AR 1248-PEAK3	8.355	8.357	-0.002	2825108	250.002	83.3339
56 AR 1248-PEAK4	9.367	9.407	-0.040	3241197	502.782	167.5941
M 57 AR 1254-AVG				879752	20.2955	6.7651
61 AR 1254-PEAK4	11.675	11.675	0.000	879752	75.9209	25.3069

Data File: /var/chem/gcsv11.i/20020617.b/SV11068.d
Date : 21-JUN-2002 12:39
Client ID: 46421
Sample Info: 46421
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i
Operator: tnt
Column diameter: 0.53



/var/chem/gcsv11.i/20020617.b/SV11068.d

000545

QUALITY CONTROL RESULTS

LAB ID	SAMPLE ID	MATRIX	REPORTED
46671	Lab Control Sample Duplicate	Solid	06/21/2002 17:12

SW-846 8082

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
06/21/2002 08:00	145851	3540C	1	06/21/2002 13:08	SAB	146073

CAS #	PARAMETER	RESULT	RDL	REG LIMIT	UNITS
12674-11-	**Aroclor-1016**	**116**	**40.0**		**ug/Kg**
11104-28-	Aroclor-1221	ND	40.0		ug/Kg
11141-16-	Aroclor-1232	ND	40.0		ug/Kg
53469-21-	Aroclor-1242	ND	40.0		ug/Kg
12672-29-	Aroclor-1248	ND	40.0		ug/Kg
11097-69-	Aroclor-1254	ND	40.0		ug/Kg
11096-82-	**Aroclor-1260**	**126**	**40.0**		**ug/Kg**

CAS #	SURROGATE NAME	CONC ADDED	CONC REC	% RECOVERY	REC LIMITS
877-09-8	**Tetrachloro-m-xylene**	16.7	20 ug/Kg	120	60 - 150
2051-24-3	**Decachlorobiphenyl**	16.7	21.2 ug/Kg	127	60 - 150

Data File: /var/chem/gcsv11.i/2020617.b/SV11069.d
Report Date: 26-Jun-2002 10:31

Gulf Coast Analytical Services

Data file : /var/chem/gcsv11.i/2020617.b/SV11069.d
Lab Smp Id: 46671 Client Smp ID: 46671
Inj Date : 21-JUN-2002 13:08
Operator : tnt Inst ID: gcsv11.i
Smp Info : 46671
Misc Info :
Comment :
Method : /var/chem/gcsv11.i/2020617.b/pest1701a.m
Meth Date : 26-Jun-2002 10:31 sab Quant Type: ESTD
Cal Date : 18-JUN-2002 07:16 Cal File: SV11025.d
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: hpchem

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (ug/Kg)
$ 1 Tetrachloro-m-xylene	3.523	3.524	-0.001	14970568	59.8776	19.9592
$ 22 Decachlorobiphenyl	18.002	18.006	-0.004	11205664	63.7538	21.2512
M 23 AR 1016-AVG				16368685	348.033	116.0110
24 AR 1016-PEAK1	4.830	4.835	-0.005	1985752	355.771	118.5904
25 AR 1016-PEAK2	5.732	5.737	-0.005	3581500	352.948	117.6494
26 AR 1016-PEAK3	6.873	6.879	-0.006	7391936	351.949	117.3162
27 AR 1016-PEAK4	7.193	7.199	-0.006	3409497	331.013	110.3378
M 28 AR 1260-AVG				24638779	377.123	125.7075
29 AR 1260-PEAK1	11.012	11.019	-0.007	3919033	476.691	158.8969
30 AR 1260-PEAK2	11.393	11.401	-0.008	4346654	390.805	130.2682
31 AR 1260-PEAK3	12.002	12.009	-0.007	6459472	405.128	135.0428
32 AR 1260-PEAK4	14.553	14.560	-0.007	9913620	329.951	109.9838

Data File: /var/chem/gcsv11.i/2020617.b/SV11069.d
Report Date: 26-Jun-2002 10:31

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (ug/Kg)	
M 33 AR 1260-AVGII				1010074			(a)
34 AR 1260-PEAK5	1.043	1.001	0.042	707725			(a)
36 AR 1260-PEAK7	0.978	0.953	0.025	302349			(a)
M 37 AR 1221-AVG				664738	49.3427	16.4475	
38 AR 1221-PEAK1	4.337	4.338	-0.001	303871	99.1468	33.0489	
39 AR 1221-PEAK2	4.685	4.690	-0.005	360867	178.733	59.5776	
M 52 AR 1248-AVG				10672509	182.473	60.8242	
54 AR 1248-PEAK2	7.750	7.752	-0.002	4623697	291.686	97.2286	
55 AR 1248-PEAK3	8.352	8.357	-0.005	2822168	249.742	83.2472	
56 AR 1248-PEAK4	9.365	9.407	-0.042	3226644	500.525	166.8416	
M 57 AR 1254-AVG				880862	20.3211	6.7737	
61 AR 1254-PEAK4	11.673	11.675	-0.002	880862	76.0167	25.3389	

QC Flag Legend

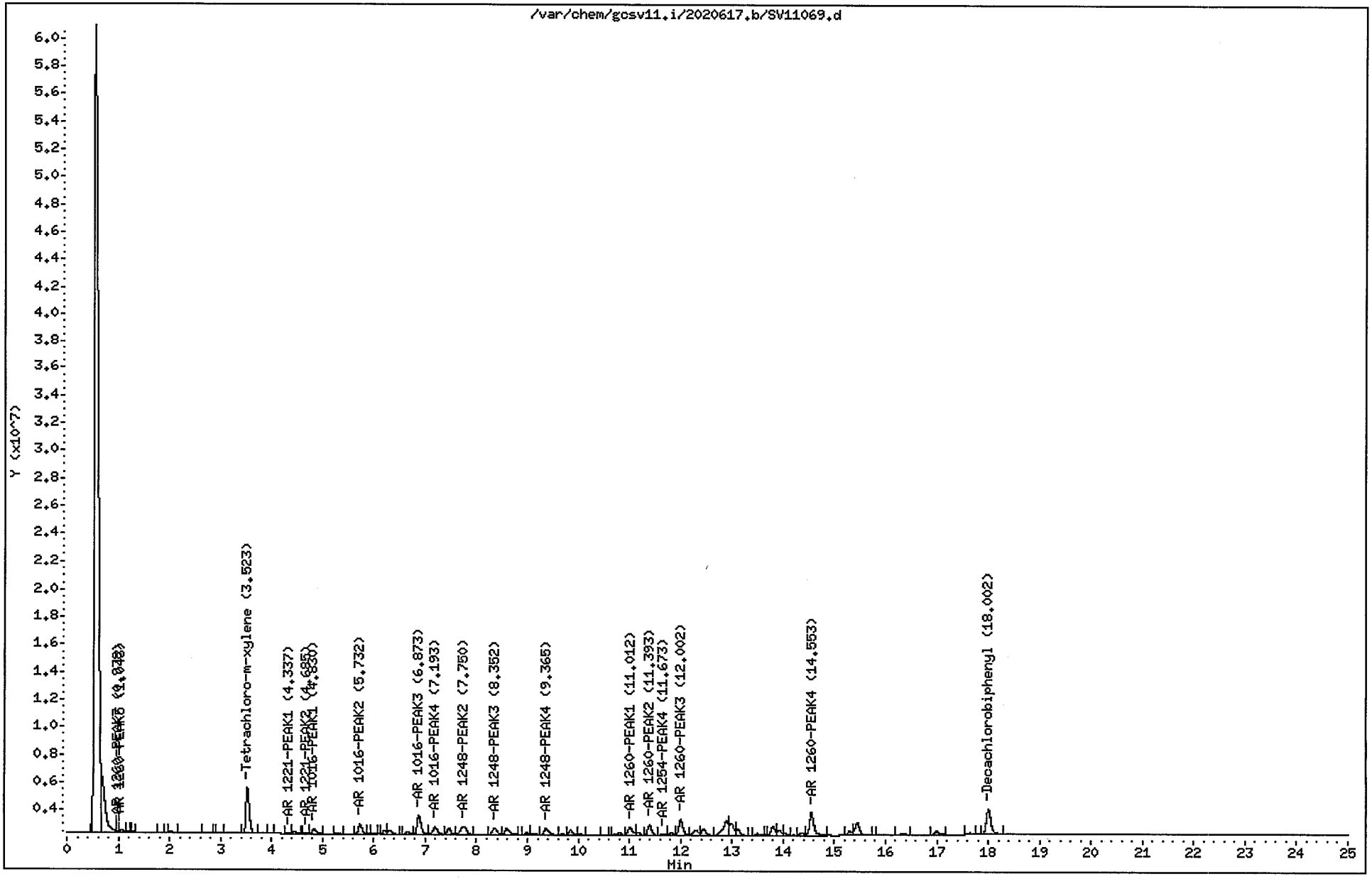
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/gcsv11.i/2020617.b/SV11069.d
Date : 21-JUN-2002 13:08
Client ID: 46671
Sample Info: 46671
Volume Injected (uL): 1.0
Column phase: DB-1701-30M

Instrument: gcsv11.i

Operator: tnt
Column diameter: 0.53

000549



PCB

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 06/21/02 08:00

MATRIX: _____ WATER ✓ SOIL _____ OTHER

LEVEL: ✓ LOW _____ MEDIUM

BATCH# 145850 145851

	CLIENT & GROUP #	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	Initial pH	COMMENTS	METHOD
1	46415 46420	0621PBLK	30.0	10.0			
2	46416	0621LCS	30.0	10.0		608	LIQUID LIQUID/3520
3	CH2M HILL	20206200201	30.0	10.0			
4	46417	20206200201MS	30.0	10.0		608	SEPARATIORY FUNNEL/3510
5	46418	20206200201MSD	30.0	10.0			
6		20206200202	30.0	10.0			GPC CLEANUP/3640
7	[redacted]	20206201101	30.0	10.0			
8	46422 ~~46422~~ SKB 06/21/02	20206201101MS	30.0	10.0		PCB	✓ SONICATOR/3550
9	46423	20206201101MSD	30.0	10.0			
10	46421	0621LCS	30.0	10.0			FLORISIL CLEANUP/3620
11	46671	0621LCSD	30.0	10.0			
12							✓ PCB SULFURIC ACID/3665A CLEAN UP
13							
14							WASTE DILUTION/3580
15							TCLP EXTRACTION FLUID #1
16							
17							
18							TCLP EXTRACTION FLUID #2
19							
20							MECL2/Acetone No: 1-45-2
21							
22							ACETONE LOT NO: 012684
23							
24							MeCL2 Lot No: 013600
25							
26							HEXANE Lot No: 029497
27							
28							Sodium Sulfate Lot No: 020966

SKB 06/24/02

COMMENTS: SAMPLE PREPARATION INCLUDES DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

SURROGATE ID 8-131-3
VOLUME 1.0 mL
CONCENTRATION 0.5 ug/mL

~~8081~~ PCB SPIKE ID 8-130-3
VOLUME 1.0 mL
CONCENTRATION 4.0 ug/mL

608 SPIKE ID 8-124-3
VOLUME 0.5 mL
CONCENTRATION 1.0 ug/mL

ACID _____

SPIKE WITNESS WES

TECHNICIAN _____ DATE _____

John Bailey 06/21/02

SUPERVISOR DATE

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv11.i
Method File: /var/chem/gcsv11.i/2020617.b/pest1701a.m
Batch: /var/chem/gcsv11.i/2020617.b
Column-Detector: DB-1701-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
		SV11001.d	17-JUN-2002 19:26	1.000	tnt	
		SV11002.d	17-JUN-2002 19:56	1.000	tnt	
DEG STD		SV11003.d	17-JUN-2002 20:25	1.000	tnt	
IND A I		SV11004.d	17-JUN-2002 20:55	1.000	tnt	
IND A II		SV11005.d	17-JUN-2002 21:24	1.000	tnt	
IND A III		SV11006.d	17-JUN-2002 21:54	1.000	tnt	
IND A III ICV		SV11007.d	17-JUN-2002 22:23	1.000	tnt	
IND A IV		SV11008.d	17-JUN-2002 22:53	1.000	tnt	
IND A V		SV11009.d	17-JUN-2002 23:23	1.000	tnt	
IND B I		SV11010.d	17-JUN-2002 23:52	1.000	tnt	
IND B II		SV11011.d	18-JUN-2002 00:22	1.000	tnt	
IND B III		SV11012.d	18-JUN-2002 00:51	1.000	tnt	
IND B III ICV		SV11013.d	18-JUN-2002 01:21	1.000	tnt	
IND B IV		SV11014.d	18-JUN-2002 01:51	1.000	tnt	
IND B V		SV11015.d	18-JUN-2002 02:20	1.000	tnt	
CHLORDANE V		SV11016.d	18-JUN-2002 02:50	1.000	tnt	
TOXAPHENE V		SV11017.d	18-JUN-2002 03:20	1.000	tnt	
AR 1221 III		SV11018.d	18-JUN-2002 03:49	1.000	tnt	
AR 1232 III		SV11019.d	18-JUN-2002 04:19	1.000	tnt	
AR 1242 III		SV11020.d	18-JUN-2002 04:49	1.000	tnt	
AR 1248 III		SV11021.d	18-JUN-2002 05:18	1.000	tnt	
AR 1254 III		SV11022.d	18-JUN-2002 05:48	1.000	tnt	
AR 1016/1260 I		SV11023.d	18-JUN-2002 06:17	1.000	tnt	
AR 1016/1260 II		SV11024.d	18-JUN-2002 06:47	1.000	tnt	
AR 1016/1260 III		SV11025.d	18-JUN-2002 07:16	1.000	tnt	
AR 1016/1260 III I		SV11026.d	18-JUN-2002 07:46	1.000	tnt	
AR 1016/1260 IV		SV11027.d	18-JUN-2002 08:15	1.000	tnt	
AR 1016/1260 V		SV11028.d	18-JUN-2002 08:45	1.000	tnt	
DEG STD		SV11029.d	18-JUN-2002 09:23	1.000	tnt	
DEG STD		SV11030.d	19-JUN-2002 10:24	1.000	tnt	
IND A III		SV11031.d	19-JUN-2002 10:53	1.000	tnt	
IND B III		SV11032.d	19-JUN-2002 11:23	1.000	tnt	
AR 1016/1260 III		SV11033.d	19-JUN-2002 14:18	1.000	tnt	
43671		SV11034.d	19-JUN-2002 18:09	1.000	tnt	
43672		SV11035.d	19-JUN-2002 18:39	1.000	tnt	
20206041001		SV11036.d	19-JUN-2002 19:08	5.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv11.i
Method File: /var/chem/gcsv11.i/2020617.b/pest1701a.m
Batch: /var/chem/gcsv11.i/2020617.b
Column-Detector: DB-1701-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
20206041002		SV11037.d	19-JUN-2002 19:38	1.000	tnt	
20206041003		SV11038.d	19-JUN-2002 20:08	1.000	tnt	
20206041004		SV11039.d	19-JUN-2002 20:37	1.000	tnt	
20206041005		SV11040.d	19-JUN-2002 21:07	1.000	tnt	
20206041008		SV11041.d	19-JUN-2002 21:36	10.000	tnt	
20206041009		SV11042.d	19-JUN-2002 22:06	10.000	tnt	
20206041010		SV11043.d	19-JUN-2002 22:36	1.000	tnt	
IND A III		SV11044.d	19-JUN-2002 23:05	1.000	tnt	
IND A III		SV11045.d	19-JUN-2002 23:35	1.000	tnt	
IND A III		SV11046.d	20-JUN-2002 00:04	1.000	tnt	
20206041011		SV11047.d	20-JUN-2002 00:34	1.000	tnt	
20206041012		SV11048.d	20-JUN-2002 01:03	1.000	tnt	
20206041012MS		SV11049.d	20-JUN-2002 01:33	1.000	tnt	
20206041012MSD		SV11050.d	20-JUN-2002 02:03	1.000	tnt	
20206041013		SV11051.d	20-JUN-2002 02:32	1.000	tnt	
20206041014		SV11052.d	20-JUN-2002 03:02	1.000	tnt	
20206041015		SV11053.d	20-JUN-2002 03:31	1.000	tnt	
HEXANE		SV11054.d	20-JUN-2002 04:01	1.000	tnt	
DEG STD		SV11055.d	20-JUN-2002 09:19	1.000	tnt	
IND A III		SV11056.d	20-JUN-2002 09:48	1.000	tnt	
IND B III		SV11057.d	20-JUN-2002 10:18	1.000	tnt	
AR 1016/1260 III		SV11058.d	20-JUN-2002 12:36	1.000	tnt	
46420		SV11059.d	20-JUN-2002 13:27	1.000	tnt	
46421		SV11060.d	20-JUN-2002 13:56	1.000	tnt	
20206200201		SV11061.d	20-JUN-2002 14:26	1.000	tnt	
20206200202		SV11062.d	20-JUN-2002 14:55	1.000	tnt	
46422		SV11063.d	20-JUN-2002 15:25	1.000	tnt	
46423		SV11064.d	20-JUN-2002 15:55	1.000	tnt	
AR 1016/1260 III		SV11065.d	20-JUN-2002 16:24	1.000	tnt	
AR 1016/1260 III		SV11066.d	21-JUN-2002 11:33	1.000	tnt	
46420		SV11067.d	21-JUN-2002 12:09	1.000	tnt	
46421		SV11068.d	21-JUN-2002 12:39	1.000	tnt	
46671		SV11069.d	21-JUN-2002 13:08	1.000	tnt	
20206200201		SV11070.d	21-JUN-2002 13:38	1.000	tnt	
20206200202		SV11071.d	21-JUN-2002 14:07	1.000	tnt	
20206201101		SV11072.d	21-JUN-2002 15:52	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 06/26/2002
Instrument: gcsv11.i
Method File: /var/chem/gcsv11.i/2020617.b/pest1701a.m
Batch: /var/chem/gcsv11.i/2020617.b
Column-Detector: DB-1701-30M

Sample ID	ClientName	DataFile	Injection Time	DilFactor	Anal	Comments
46672		SV11073.d	21-JUN-2002 16:22	1.000	tnt	
46673		SV11074.d	21-JUN-2002 16:51	1.000	tnt	
AR 1016/1260 III		SV11075.d	21-JUN-2002 18:08	1.000	tnt	
20206041006		SV11076.d	21-JUN-2002 19:07	1.000	tnt	
20206041007		SV11077.d	21-JUN-2002 19:37	1.000	tnt	
AR 1016/1260 III		SV11078.d	21-JUN-2002 20:06	1.000	tnt	

REVISED 6-1-95 Supervisor Review: QA Review:

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
IND A ICU	58-3-1	4-8796 5/10	Supelco	LA-98040 5/2004	0.6mL	50mL	60/120 ppb	Hexane BL110	TLS	5/30/02	11/30/02
Glycol STD (Fish)	58-3-2	Neat Neat	Aldrich Aldrich	~~55 03051 PR~~ 04761DZ INT 6/13/02 LU07323DU	0.25g 0.25g	25mls 25mls	10,000ppm	DI water	TNT	5/30/02	5/30/03
IND A I	58-3-3	clp 216 5/10ppb	ultra	P-7012 10/2003	50uL	50mLs	5/10 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A II	58-3-4	clp 216 5/10 ppb	ultra	P-7012 10/2003	200uL	50mLs	20/40 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A IV	58-3-5	clp 216 5/10ppb	ultra	P-7012 10/2003	800uL	50mLs	80/160 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND A V	58-3-6	clp 216 5/10ppb	ultra	P-7012 10-2003	1.0mL	50mLs	100/200 ppb	Hexane BL110	TLS	5/31/02	11-31-02
IND B I	58-3-7	clp 226B 5/10 ppm	ultra	S-0470 5/2003	50uL	50mLs	5/10 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B II	58-3-8	clp 226B 5/10 ppm	ultra	S-0470 5/2003	200uL	50mLs	20/40 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B IV	58-3-9	clp 226B 5/10 ppm	ultra	S-0470 5-2003	800uL	50mLs	80/160 ppb	Hexane 024497	TLS	5/31/02	11-31-02
IND B V	58-3-10	clp 226B 5/10ppm	ultra	S-0470 5-2003	1.0mL	50mLs	100/200 ppb	Hexane 024497	TLS	5/31/02	11-31-02

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ex mix Spike	58-2-1	100ug/mL	NSI	110101 11/02	1.0mL	10mL	10,000ppb	Hexane BL110	TLS	4-15-02	10-15-02
nd A III	58-2-2	5/10 ppm Clp 216	ultra	P 7012 10/2003	600uL	50mL	60/120 ppm	Hexane BL110	TLS	4-23-02	10-23-02
Date 3/25/02 - 4/23/02 Reviewed by QA/QC on 4/23/02 [illegible]											
NCASI 99.01 STD.	58-2-3	NEAT(MeOH) NEAT(Acetaldehyde) NEAT(2-butanol) NEAT(Propanol)	Aldrich Aldrich Aldrich Aldrich	HO 0124 HO 07348 KI ED183 EG EO 80K3728	0.64 mls 64uL 62uL 62uL	50ml	16,000ppm 1000ppm 1000ppm 1000ppm	DI WATER	TNT	5/1/02	6/1/03
016/1260 IV	58-2-4	100ug-1016 100ug-1260 200-Post Surrogate	ultra	S-1072 9/2005 S-6793 7/2005 S-0624 6/2004	800uL 800uL 40uL	50mL	160/1600 ppb	Hexane BL110	TLS	5/9/02	11-9-02 TLS
Acetone	58-2-5	Neat	Fisher	972630	0.1g	10ml	10,000ppm	CS2	TNT	5/9/02	5/9/03
ND B III	58-2-6	5/10ppm	ultra Clp-226B	S-0470 5/2003	600uL	50mL	60/120 ppb	Hexane BL110	TLS	5/14/02	11-14-02
TX 1005	58-2-7	Neat GAS Neat Diesel	Circle K Texaco	NA	0.1g 0.1g	10ml	10,000ppm ~~0075Hg~~ TNT 5/21/02	DCM 007516	TNT	5/21/02	5/21/03

000555

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
PRO Standard 150ppm	51-50-1	See 51-49-8	—	—	75ml 150ml 25ml	1.0ml	150 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 250 ppm	51-50-2	See 51-49-8	—	—	125ml 150ml 25ml	1.0ml	250 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 350ppm	51-50-3	See 51-49-8	—	—	175ml 150ml 25ml	1.0ml	350 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
PRO Standard 500ppm	51-50-4	See 51-49-8	—	—	250 ml 150 ml 25 ml	1.0 ml	500 ppm 300 ppm 50 ppm	DCM	SAB	03/13/02	08/13/02
IND A III	51-50-5	5/10ppm CIP 216	ultrA	P-7012 10/2003	600uL	50mL	60/120 ppb	Hexane	TLS	03/14/02	08/14/02
IND B III	51-50-6	5/10ppm	ultrA CIP226B	S-0470 5/2003	3-19-02 TLS ~~400uL~~ 600uL	50mL	60/120 ppb	Hexane	TLS	3/19/02	9/19/02
Chlor II	51-50-7	1000ug/mL	ultrA PP-151	P-1507 11-2003	200ul	50mL	400 ppb	Hexane	TLS	3/19/02	9/19/02
Tox II	51-50-8	1000ug/mL	ultrA EPA1161	M-0169 2-2004	250ul	50 mL	5000ppb	Hexane	TLS	3/19/02	9-19-02
				3-20 TLS							
				3-20 TLS							

Notes 3/13/02 – 3/19/02 Reviewed by QA/QC on 3/25/02 [illegible]

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD CONC	SUPPLIER	LOT#/ EXP DATE	WT/VOL G/ML	FINAL VOL(ML)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
meoH	51-49-1	Neat	mallinckrodt	V073	0.25gm	25mL	10,000 ppm	Di H2O	TLS	01/22/02	07/22/02
DEG Standard	51-49-2	0.2ug/mL	Accu Standard	B011043b Nov29,2002	40ul	100 mL	80ppb	Hexane	TLS	02/18/02	08/02/02
1016/1260 III	51-49-3	100ug/mL 100ug/mL 200ug/mL	ultra 1016 " 1260 ultra pest surrogate	S-1672 9/2005 S-0793 7/2005 S-0624 6/2004	400ul 400ul 20ul	100mL	40/400 ppb	Hexane	TLS	02/18/02	08/18/02
methanol ~~ISS~~ TNT 2/25/02	51-49-4	Neat	Aldrich	HO D127110	0.1gm.	100mL	1,000 ppm	Di H2O	TLS	02/18/02	08/18/02
Internal standard for meoH Cyclohexanol	51-49-5	Neat	Aldrich	DO 10206CO	0.3gm	100mL	3,000ppm	Di H2O	TLS	02/18/02	08/18/02
Dates	1/22/02 – 2/18/02			Reviewed	By	QA/QC	on	2/21/02	Qw		
TPP	51-49-6 500ug/mL	PPS-110 Triphenyl Phosphine Solution	ultra	m-428B 1/2003	500ul	50mL	5000ppb	Hexane	TLS	2/21/02	8/21/02
PHENOL MIX	51-49-7	EPA-1155 500ug/ml ATS-180 2000ug/ml PH-150 1000ug/ml	ultra ultra ultra	M-1513 11/02 A0737 4/03 P-0108 2/03	0.4ml 1.0ml 2.0ml	10ml	200ppm	DCM	TNT	3/7/02	9/7/02
PRO Standard 5 ppm	51-49-8	C-443-09 2000ug/ml T-0130 2000ug/ml P-1550 2000ug/ml	NSI ultra ultra	10/03 02/07 11/03	2.5ul 150ul 25ul	1.0ml	5ppm 300 ppm 50 ppm	DCM	SAB	02/13/02	08/13/02
PRO Standard 50ppm	51-49-9	See 51-49-8	—	—	25ul 150ul 25ul	1.0ml	50 ppm 300ppm 50 ppm	DCM	SAB	02/13/02	08/13/02

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002

SOW No.:

EPA Sample No.	*Lab Sample ID.*
046-BF-S-0619-02	20206200201
046-RB-S-0619-02	20206200202

Were ICP interelement corrections applied ? Yes / No YES

Were ICP background corrections applied ? Yes / No YES

If yes-were raw data generated before application of background corrections ? Yes / No NO

U.S. EPA - CLP
INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
% Solids: 86.10
Lab Sample ID: 20206200201
Date Received: 06/20/02
Time: 0905
Date Collected: 06/19/02
Time: 0940

Analyte	Concentration	Units	C	Q	MDL	PQL	Method	Type
Aluminum	819	mg/kg		N,E	0.72	9.29	SW-846 6010B	P
Antimony	2.79	mg/kg	U	N	0.19	2.79	SW-846 6010B	P
Arsenic	0.27	mg/kg	B		0.18	1.86	SW-846 6010B	P
Barium	3.32	mg/kg			0.012	0.46	SW-846 6010B	P
Beryllium	0.081	mg/kg	B		0.0058	0.23	SW-846 6010B	P
Cadmium	0.016	mg/kg	B		0.0081	0.23	SW-846 6010B	P
Calcium	191	mg/kg		E	0.77	2.32	SW-846 6010B	P
Chromium	0.98	mg/kg		E	0.019	0.46	SW-846 6010B	P
Cobalt	0.39	mg/kg	B		0.020	0.46	SW-846 6010B	P
Copper	0.43	mg/kg	B		0.11	0.46	SW-846 6010B	P
Iron	823	mg/kg		N,E	0.46	2.32	SW-846 6010B	P
Lead	1.52	mg/kg			0.058	0.70	SW-846 6010B	P
Magnesium	37.4	mg/kg		E	0.72	2.32	SW-846 6010B	P
Manganese	2.93	mg/kg			0.012	0.70	SW-846 6010B	P
Mercury	0.0056	mg/kg	B		0.0012	0.012	SW-846 7471A	AV
Nickel	0.84	mg/kg	B		0.059	1.86	SW-846 6010B	P
Potassium	58.0	mg/kg			1.78	9.29	SW-846 6010B	P
Selenium	1.86	mg/kg	U		0.23	1.86	SW-846 6010B	P
Silver	0.46	mg/kg	U		0.021	0.46	SW-846 6010B	P
Sodium	46.5	mg/kg	U		4.65	46.5	SW-846 6010B	P
Thallium	0.93	mg/kg	U		0.082	0.93	SW-846 6010B	P
Vanadium	1.26	mg/kg			0.036	0.93	SW-846 6010B	P
Zinc	2.10	mg/kg			0.42	0.93	SW-846 6010B	P

U.S. EPA - CLP
INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 046-RB-S-0619-02
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
% Solids: 91.22
Lab Sample ID: 20206200202
Date Received: 06/20/02
Time: 0905
Date Collected: 06/19/02
Time: 1100

Analyte	Concentration	Units	C	Q	MDL	PQL	Method	Type
Aluminum	224	mg/kg		N,E	6.84	87.7	SW-846 6010B	P
Antimony	1.81	mg/kg	B	N	1.75	26.3	SW-846 6010B	P
Arsenic	23.3	mg/kg			1.68	17.5	SW-846 6010B	P
Barium	4.19	mg/kg	B		0.11	4.38	SW-846 6010B	P
Beryllium	2.19	mg/kg	U		0.055	2.19	SW-846 6010B	P
Cadmium	2.19	mg/kg	U		0.077	2.19	SW-846 6010B	P
Calcium	428000	mg/kg		E	7.26	21.9	SW-846 6010B	P
Chromium	6.26	mg/kg		E	0.18	4.38	SW-846 6010B	P
Cobalt	0.58	mg/kg	B		0.19	4.38	SW-846 6010B	P
Copper	4.38	mg/kg	U		1.07	4.38	SW-846 6010B	P
Iron	361	mg/kg		N,E	4.33	21.9	SW-846 6010B	P
Lead	6.58	mg/kg	U		0.55	6.58	SW-846 6010B	P
Magnesium	2790	mg/kg		E	6.75	21.9	SW-846 6010B	P
Manganese	24.4	mg/kg			0.11	6.58	SW-846 6010B	P
Mercury	0.0045	mg/kg	B		0.0011	0.011	SW-846 7471A	AV
Nickel	17.5	mg/kg	U		0.56	17.5	SW-846 6010B	P
Potassium	39.3	mg/kg	B		16.8	87.7	SW-846 6010B	P
Selenium	17.5	mg/kg	U		2.18	17.5	SW-846 6010B	P
Silver	4.38	mg/kg	U		0.20	4.38	SW-846 6010B	P
Sodium	263	mg/kg	B		43.8	438	SW-846 6010B	P
Thallium	1.71	mg/kg	B		0.78	8.77	SW-846 6010B	P
Vanadium	4.50	mg/kg	B		0.34	8.77	SW-846 6010B	P
Zinc	8.77	mg/kg	U		4.00	8.77	SW-846 6010B	P

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-50-4
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 06/21/02 Time: 0951

INITIAL CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	1.00	0.950	95	mg/L	SW-846 6010B	P
Arsenic	1.00	1.02	102	mg/L	SW-846 6010B	P
Beryllium	1.00	1.01	101	mg/L	SW-846 6010B	P
Cadmium	1.00	1.01	101	mg/L	SW-846 6010B	P
Calcium	1.00	1.04	104	mg/L	SW-846 6010B	P
Chromium	1.00	1.02	102	mg/L	SW-846 6010B	P
Cobalt	1.00	1.04	104	mg/L	SW-846 6010B	P
Copper	1.00	0.970	97	mg/L	SW-846 6010B	P
Iron	1.00	1.01	101	mg/L	SW-846 6010B	P
Lead	1.00	1.04	104	mg/L	SW-846 6010B	P
Magnesium	1.00	1.00	100	mg/L	SW-846 6010B	P
Manganese	1.00	1.04	104	mg/L	SW-846 6010B	P
Molybdenum	1.00	0.990	99	mg/L	SW-846 6010B	P
Nickel	1.00	1.04	104	mg/L	SW-846 6010B	P
Selenium	1.00	0.990	99	mg/L	SW-846 6010B	P
Silver	1.00	1.02	102	mg/L	SW-846 6010B	P
Thallium	1.00	1.01	101	mg/L	SW-846 6010B	P
Titanium	1.00	0.980	98	mg/L	SW-846 6010B	P
Vanadium	1.00	1.00	100	mg/L	SW-846 6010B	P
Zinc	1.00	1.00	100	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-40-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 06/21/02 Time: 0959

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	10.3	103	mg/L	SW-846 6010B	P
Barium	1.00	1.04	104	mg/L	SW-846 6010B	P
Boron	5.00	4.84	97	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Sodium	10.0	10.3	103	mg/L	SW-846 6010B	P
Zirconium	1.00	0.970	97	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024
Case No.:
SAS No.:
SDG No.: 202062002
Calibration Source: 1-1-1
Instrument ID: ICP5
ICAL ID: 2
Date Analyzed: 06/21/02
Time: 1026

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	5.04	101	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	103	mg/L	SW-846 6010B	P
Barium	0.500	0.500	100	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.13	103	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	101	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	5.18	104	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.22	104	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	101	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Sodium	20.0	19.9	99	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 06/21/02 Time: 1034

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Boron	2.50	2.47	99	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	99	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	97	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 06/21/02 Time: 1231

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	5.00	4.93	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	103	mg/L	SW-846 6010B	P
Barium	0.500	0.500	101	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 6010B	P
Calcium	5.00	4.96	99	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	101	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	102	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	5.03	101	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.01	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	102	mg/L	SW-846 6010B	P
Potassium	10.0	9.99	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Sodium	20.0	19.8	99	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 1-1-1
Instrument ID: ICP5 ICAL ID: 2
Date Analyzed: 06/21/02 Time: 1238

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	0.500	0.490	97	mg/L	SW-846 6010B	P
Boron	2.50	2.45	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	99	mg/L	SW-846 6010B	P
Titanium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	97	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-57-3 Solutions Plus
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/20/02 Time: 1239

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00493	99	mg/L	SW-846 7471A	AV

ICV CONTROL LIMITS EPA 6010B = 90-100 EPA 200.7 = 95-105

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024
Case No.:
SAS No.:
SDG No.: 202062002
Calibration Source: 100-56-5 SPEX
Instrument ID: FIMS1
ICAL ID: 1
Date Analyzed: 06/20/02
Time: 1243

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00499	100	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-56-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/20/02 Time: 1303

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00496	99	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-56-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/20/02 Time: 1324

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00502	100	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-56-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/20/02 Time: 1345

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00494	99	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Calibration Source: 100-56-5 SPEX
Instrument ID: FIMS1 ICAL ID: 1
Date Analyzed: 06/20/02 Time: 1354

CONTINUING CALIBRATION VERIFICATION

Analyte	True	Found	CAL %R	Units	Method	Type
Mercury	0.00500	0.00476	95	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-100 EPA 7470/7471 AND 7XXX = 80-120

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: ICB
ICAL ID: 2
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 06/21/02 Time: 0944

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.016	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0040	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Calcium	0.050	U	mg/L	0.017	0.050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0025	0.010	SW-846 6010B	P
Iron	0.050	U	mg/L	0.0099	0.050	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Magnesium	0.050	U	mg/L	0.015	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.00030	0.015	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.0013	0.040	SW-846 6010B	P
Potassium	0.20	U	mg/L	0.034	0.20	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 6010B	P
Silver	0.0015	B	mg/L	0.00050	0.010	SW-846 6010B	P
Sodium	0.34	B	mg/L	0.14	1.00	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0018	0.020	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.00080	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0092	0.020	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 06/21/02 Time: 1102

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.016	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0040	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Calcium	0.050	U	mg/L	0.017	0.050	SW-846 6010B	P
Chromium	0.00045	B	mg/L	0.00040	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.0026	B	mg/L	0.0025	0.010	SW-846 6010B	P
Iron	0.050	U	mg/L	0.0099	0.050	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Magnesium	0.050	U	mg/L	0.015	0.050	SW-846 6010B	P
Manganese	0.0013	B	mg/L	0.00030	0.015	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.0013	0.040	SW-846 6010B	P
Potassium	0.20	U	mg/L	0.034	0.20	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 6010B	P
Silver	0.00089	B	mg/L	0.00050	0.010	SW-846 6010B	P
Sodium	1.00	U	mg/L	0.14	1.00	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0018	0.020	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.00080	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0092	0.020	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: 46445
ICAL ID: 2
Lab Sample DESC: MB FOR HBN 145858
Preparation Blank Matrix: (soil / water) Soil
Instrument ID: ICP5
Date Analyzed: 06/21/02 Time: 1109

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	8.00	U	mg/kg	0.62	8.00	SW-846 6010B	P
Antimony	2.40	U	mg/kg	0.16	2.40	SW-846 6010B	P
Arsenic	1.60	U	mg/kg	0.15	1.60	SW-846 6010B	P
Barium	0.40	U	mg/kg	0.010	0.40	SW-846 6010B	P
Beryllium	0.0080	B	mg/kg	0.0050	0.20	SW-846 6010B	P
Cadmium	0.20	U	mg/kg	0.0070	0.20	SW-846 6010B	P
Calcium	3.33		mg/kg	0.66	2.00	SW-846 6010B	P
Chromium	0.022	B	mg/kg	0.016	0.40	SW-846 6010B	P
Cobalt	0.40	U	mg/kg	0.017	0.40	SW-846 6010B	P
Copper	0.10	B	mg/kg	0.098	0.40	SW-846 6010B	P
Iron	2.00	U	mg/kg	0.40	2.00	SW-846 6010B	P
Lead	0.60	U	mg/kg	0.050	0.60	SW-846 6010B	P
Magnesium	2.00	U	mg/kg	0.62	2.00	SW-846 6010B	P
Manganese	0.048	B	mg/kg	0.010	0.60	SW-846 6010B	P
Nickel	0.054	B	mg/kg	0.051	1.60	SW-846 6010B	P
Potassium	8.00	U	mg/kg	1.53	8.00	SW-846 6010B	P
Selenium	1.60	U	mg/kg	0.20	1.60	SW-846 6010B	P
Silver	0.40	U	mg/kg	0.018	0.40	SW-846 6010B	P
Sodium	40.0	U	mg/kg	4.00	40.0	SW-846 6010B	P
Thallium	0.80	U	mg/kg	0.071	0.80	SW-846 6010B	P
Vanadium	0.80	U	mg/kg	0.031	0.80	SW-846 6010B	P
Zinc	0.80	U	mg/kg	0.37	0.80	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 06/21/02 Time: 1245

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.016	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0040	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0039	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00030	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Calcium	0.050	U	mg/L	0.017	0.050	SW-846 6010B	P
Chromium	0.00042	B	mg/L	0.00040	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.0031	B	mg/L	0.0025	0.010	SW-846 6010B	P
Iron	0.050	U	mg/L	0.0099	0.050	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Magnesium	0.027	B	mg/L	0.015	0.050	SW-846 6010B	P
Manganese	0.0014	B	mg/L	0.00030	0.015	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.0013	0.040	SW-846 6010B	P
Potassium	0.20	U	mg/L	0.034	0.20	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0050	0.040	SW-846 6010B	P
Silver	0.00093	B	mg/L	0.00050	0.010	SW-846 6010B	P
Sodium	0.16	B	mg/L	0.14	1.00	SW-846 6010B	P
Thallium	0.0019	B	mg/L	0.0018	0.020	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.00080	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0092	0.020	SW-846 6010B	P

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: ICB
ICAL ID: 1
Lab Sample DESC: ICB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1241

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1245

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00011	B	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1305

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00012	B	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1326

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00012	B	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: 46450
ICAL ID: 1
Lab Sample DESC: MB FOR HBN 145859
Preparation Blank Matrix: (soil / water) Soil
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1334

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.0011	B	mg/kg	0.0010	0.010	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1347

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.000097	B	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 202062002
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 06/20/02 Time: 1355

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Mercury	0.00011	B	mg/L	0.000080	0.00020	SW-846 7471A	AV

FORM III - IN

U.S. EPA - CLP
ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002

ICP ID Number: ICP5 ICS Source: 1-1-1 ~100-21-3

Concentration Units: mg/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	200	200	227	203	102			
Antimony	0	1.00		0.94	94			
Arsenic	0	1.00		1.05	105			
Barium	0	0.50		0.51	102			
Beryllium	0	0.50		0.52	104			
Boron	0	1.00		1.04	104			
Cadmium	0	1.00		0.98	98			
Calcium	200	200	223	197	98			
Chromium	0	0.50		0.51	102			
Cobalt	0	0.50		0.49	98			
Copper	0	0.50		0.52	104			
Iron	80.0	80.0	86.6	77.6	97			
Lead	0	1.00		0.99	99			
Magnesium	200	200	220	197	98			
Manganese	0	0.50		0.51	102			
Molybdenum	0	1.00		0.99	99			
Nickel	0	1.00		0.95	95			
Selenium	0	1.00		1.03	103			
Silver	0	1.00		1.09	109			
Thallium	0	1.00		1.05	105			
Vanadium	0	0.50		0.51	102			
Zinc	0	1.00		1.00	100			

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02MS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Lab Sample ID: 46448
Orig Lab Sample ID: 20206200201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	2390		705		400	422	N	mg/kg	SW-846 6010B	P
Antimony	75	125	19.7		0	U	40.0	49	N	mg/kg	SW-846 6010B	P
Arsenic	75	125	39.1		0.23	B	40.0	97		mg/kg	SW-846 6010B	P
Barium	75	125	43.0		2.86		40.0	100		mg/kg	SW-846 6010B	P
Beryllium	75	125	39.4		0.069	B	40.0	98		mg/kg	SW-846 6010B	P
Cadmium	75	125	37.7		0.013	B	40.0	94		mg/kg	SW-846 6010B	P
Calcium	75	125	552		164		400	97		mg/kg	SW-846 6010B	P
Chromium	75	125	40.8		0.84		40.0	100		mg/kg	SW-846 6010B	P
Cobalt	75	125	39.5		0.33	B	40.0	98		mg/kg	SW-846 6010B	P
Copper	75	125	40.8		0.37	B	40.0	101		mg/kg	SW-846 6010B	P
Iron	75	125	1230		709		400	130	N	mg/kg	SW-846 6010B	P
Lead	75	125	39.5		1.31		40.0	95		mg/kg	SW-846 6010B	P
Magnesium	75	125	475		32.2		400	111		mg/kg	SW-846 6010B	P
Manganese	75	125	42.5		2.53		40.0	100		mg/kg	SW-846 6010B	P
Nickel	75	125	39.8		0.72	B	40.0	98		mg/kg	SW-846 6010B	P
Potassium	75	125	833		49.9		800	98		mg/kg	SW-846 6010B	P
Selenium	75	125	36.6		0	U	40.0	91		mg/kg	SW-846 6010B	P
Silver	75	125	38.7		0	U	40.0	97		mg/kg	SW-846 6010B	P
Sodium	75	125	1540		0	U	1600	97		mg/kg	SW-846 6010B	P
Thallium	75	125	37.7		0	U	40.0	94		mg/kg	SW-846 6010B	P
Vanadium	75	125	41.2		1.08		40.0	100		mg/kg	SW-846 6010B	P
Zinc	75	125	38.5		1.81		40.0	92		mg/kg	SW-846 6010B	P

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02MS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Lab Sample ID: 46452
Orig Lab Sample ID: 20206200201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.23		0.0048	B	0.25	91		mg/kg	SW-846 7471A	AV

FORM V (PART 1) - IN

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02MSD
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Lab Sample ID: 46449
Orig Lab Sample ID: 20206200201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	2150		705		400	362	N	mg/kg	SW-846 6010B	P
Antimony	75	125	21.9		0	U	40.0	55	N	mg/kg	SW-846 6010B	P
Arsenic	75	125	38.9		0.23	B	40.0	97		mg/kg	SW-846 6010B	P
Barium	75	125	41.9		2.86		40.0	98		mg/kg	SW-846 6010B	P
Beryllium	75	125	39.0		0.069	B	40.0	97		mg/kg	SW-846 6010B	P
Cadmium	75	125	36.9		0.013	B	40.0	92		mg/kg	SW-846 6010B	P
Calcium	75	125	539		164		400	94		mg/kg	SW-846 6010B	P
Chromium	75	125	39.7		0.84		40.0	97		mg/kg	SW-846 6010B	P
Cobalt	75	125	38.7		0.33	B	40.0	96		mg/kg	SW-846 6010B	P
Copper	75	125	40.3		0.37	B	40.0	100		mg/kg	SW-846 6010B	P
Iron	75	125	1190		709		400	121		mg/kg	SW-846 6010B	P
Lead	75	125	38.9		1.31		40.0	94		mg/kg	SW-846 6010B	P
Magnesium	75	125	458		32.2		400	107		mg/kg	SW-846 6010B	P
Manganese	75	125	41.5		2.53		40.0	98		mg/kg	SW-846 6010B	P
Nickel	75	125	39.0		0.72	B	40.0	96		mg/kg	SW-846 6010B	P
Potassium	75	125	818		49.9		800	96		mg/kg	SW-846 6010B	P
Selenium	75	125	36.2		0	U	40.0	90		mg/kg	SW-846 6010B	P
Silver	75	125	38.1		0	U	40.0	95		mg/kg	SW-846 6010B	P
Sodium	75	125	1510		0	U	1600	94		mg/kg	SW-846 6010B	P
Thallium	75	125	37.1		0	U	40.0	93		mg/kg	SW-846 6010B	P
Vanadium	75	125	40.3		1.08		40.0	98		mg/kg	SW-846 6010B	P
Zinc	75	125	37.8		1.81		40.0	90		mg/kg	SW-846 6010B	P

U.S. EPA - CLP
SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02MSD
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Lab Sample ID: 46454
Orig Lab Sample ID: 20206200201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Mercury	75	125	0.24		0.0048	B	0.25	94		mg/kg	SW-846 7471A	AV

FORM V (PART 1) - IN

U.S. EPA - CLP
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02PDS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Lab Sample ID: 46583
Orig Lab Sample ID: 20206200201

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	1100		705		400	99		mg/kg	SW-846 6010B	P
Antimony	75	125	36.4		0	U	40.0	91		mg/kg	SW-846 6010B	P
Arsenic	75	125	39.7		0.23	B	40.0	99		mg/kg	SW-846 6010B	P
Barium	75	125	42.3		2.86		40.0	99		mg/kg	SW-846 6010B	P
Beryllium	75	125	38.9		0.069	B	40.0	97		mg/kg	SW-846 6010B	P
Cadmium	75	125	37.6		0.013	B	40.0	94		mg/kg	SW-846 6010B	P
Calcium	75	125	559		164		400	99		mg/kg	SW-846 6010B	P
Chromium	75	125	39.9		0.84		40.0	98		mg/kg	SW-846 6010B	P
Cobalt	75	125	39.7		0.33	B	40.0	98		mg/kg	SW-846 6010B	P
Copper	75	125	40.6		0.37	B	40.0	101		mg/kg	SW-846 6010B	P
Iron	75	125	1090		709		400	96		mg/kg	SW-846 6010B	P
Lead	75	125	39.0		1.31		40.0	94		mg/kg	SW-846 6010B	P
Magnesium	75	125	437		32.2		400	101		mg/kg	SW-846 6010B	P
Manganese	75	125	42.3		2.53		40.0	99		mg/kg	SW-846 6010B	P
Nickel	75	125	40.0		0.72	B	40.0	98		mg/kg	SW-846 6010B	P
Potassium	75	125	821		49.9		800	96		mg/kg	SW-846 6010B	P
Selenium	75	125	36.5		0	U	40.0	91		mg/kg	SW-846 6010B	P
Silver	75	125	38.4		0	U	40.0	96		mg/kg	SW-846 6010B	P
Sodium	75	125	1520		0	U	1600	95		mg/kg	SW-846 6010B	P
Thallium	75	125	37.9		0	U	40.0	95		mg/kg	SW-846 6010B	P
Vanadium	75	125	40.2		1.08		40.0	98		mg/kg	SW-846 6010B	P
Zinc	75	125	38.4		1.81		40.0	92		mg/kg	SW-846 6010B	P

U.S. EPA - CLP
DUPLICATES

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02DUP
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
% Solids for Sample:
Level: (low / med)
% Solids for Duplicate:
Lab Sample ID: 46447

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Unit	Method	Type
Aluminum	0	20	705		727		3		mg/kg	SW-846 6010B	P
Antimony			0	U	0	U	0		mg/kg	SW-846 6010B	P
Arsenic			0.23	B	0.31	B	30		mg/kg	SW-846 6010B	P
Barium	0	20	2.86		2.87		.3		mg/kg	SW-846 6010B	P
Beryllium			0.069	B	0.073	B	6		mg/kg	SW-846 6010B	P
Cadmium			0.013	B	0.012	B	8		mg/kg	SW-846 6010B	P
Calcium	0	20	164		173		5		mg/kg	SW-846 6010B	P
Chromium			0.84		0.86		2		mg/kg	SW-846 6010B	P
Cobalt			0.33	B	0.36	B	9		mg/kg	SW-846 6010B	P
Copper			0.37	B	0.39	B	5		mg/kg	SW-846 6010B	P
Iron	0	20	709		786		10		mg/kg	SW-846 6010B	P
Lead			1.31		1.39		6		mg/kg	SW-846 6010B	P
Magnesium	0	20	32.2		35.7		10		mg/kg	SW-846 6010B	P
Manganese			2.53		2.73		8		mg/kg	SW-846 6010B	P
Nickel			0.72	B	0.77	B	7		mg/kg	SW-846 6010B	P
Potassium	0	20	49.9		58.5		16		mg/kg	SW-846 6010B	P
Selenium			0	U	0	U	0		mg/kg	SW-846 6010B	P
Silver			0	U	0	U	0		mg/kg	SW-846 6010B	P
Sodium			0	U	0	U	0		mg/kg	SW-846 6010B	P
Thallium			0	U	0	U	0		mg/kg	SW-846 6010B	P
Vanadium			1.08		1.17		8		mg/kg	SW-846 6010B	P
Zinc			1.81		2.38		27		mg/kg	SW-846 6010B	P

FORM VI - IN

U.S. EPA - CLP
DUPLICATES

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02DUP
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
% Solids for Sample:
Level: (low / med)
% Solids for Duplicate:
Lab Sample ID: 46453

Analyte	LL	UL	Sample	C	Duplicate	C	RPD	Q	Unit	Method	Type
Mercury			0.0048	B	0.0025	B	63		mg/kg	SW-846 7471A	AV

FORM VI - IN

U.S. EPA - CLP
LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS FOR HBN 145858
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Lab Sample ID: 46446
LCS Source: 1-1-1 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	400	394	98	80	120	mg/kg	SW-846 6010B	P
Antimony	40.0	36.8	92	80	120	mg/kg	SW-846 6010B	P
Arsenic	40.0	39.8	99	80	120	mg/kg	SW-846 6010B	P
Barium	40.0	39.7	99	80	120	mg/kg	SW-846 6010B	P
Beryllium	40.0	39.2	98	80	120	mg/kg	SW-846 6010B	P
Cadmium	40.0	38.3	96	80	120	mg/kg	SW-846 6010B	P
Calcium	400	401	100	80	120	mg/kg	SW-846 6010B	P
Chromium	40.0	39.9	100	80	120	mg/kg	SW-846 6010B	P
Cobalt	40.0	39.7	99	80	120	mg/kg	SW-846 6010B	P
Copper	40.0	41.3	103	80	120	mg/kg	SW-846 6010B	P
Iron	400	403	101	80	120	mg/kg	SW-846 6010B	P
Lead	40.0	38.7	97	80	120	mg/kg	SW-846 6010B	P
Magnesium	400	405	101	80	120	mg/kg	SW-846 6010B	P
Manganese	40.0	40.1	100	80	120	mg/kg	SW-846 6010B	P
Nickel	40.0	39.7	99	80	120	mg/kg	SW-846 6010B	P
Potassium	800	781	98	80	120	mg/kg	SW-846 6010B	P
Selenium	40.0	37.4	93	80	120	mg/kg	SW-846 6010B	P
Silver	40.0	39.0	97	80	120	mg/kg	SW-846 6010B	P
Sodium	1600	1550	97	80	120	mg/kg	SW-846 6010B	P
Thallium	40.0	38.1	95	80	120	mg/kg	SW-846 6010B	P
Vanadium	40.0	39.9	100	80	120	mg/kg	SW-846 6010B	P
Zinc	40.0	37.0	93	80	120	mg/kg	SW-846 6010B	P

U.S. EPA - CLP
LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS FOR HBN 145859
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Lab Sample ID: 46451
LCS Source: 100-56-5 SPEX

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.25	0.24	95	80	120	mg/kg	SW-846 7471A	AV

FORM VII - IN

U.S. EPA - CLP
ICP SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: 046-BF-S-0619-02SD
Lab Code: LA024
Case No.
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 202062002
Level: (low / med)
Org Lab Sample ID: 20206200201
Lab Sample ID: 46584

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	705		983		33	E	mg/kg	SW-846 6010B	P
Antimony			0	U	0	U	0		mg/kg	SW-846 6010B	P
Arsenic			0.23	B	0	U	200		mg/kg	SW-846 6010B	P
Barium	0	10	2.86		2.99		4		mg/kg	SW-846 6010B	P
Beryllium			0.069	B	0.10	B	37		mg/kg	SW-846 6010B	P
Cadmium			0.013	B	0	U	200		mg/kg	SW-846 6010B	P
Calcium	0	10	164		216		27	E	mg/kg	SW-846 6010B	P
Chromium	0	10	0.84		0.96		13	E	mg/kg	SW-846 6010B	P
Cobalt			0.33	B	0.36	B	9		mg/kg	SW-846 6010B	P
Copper			0.37	B	0.66		56		mg/kg	SW-846 6010B	P
Iron	0	10	709		958		30	E	mg/kg	SW-846 6010B	P
Lead			1.31		1.30		.8		mg/kg	SW-846 6010B	P
Magnesium	0	10	32.2		44.7		33	E	mg/kg	SW-846 6010B	P
Manganese	0	10	2.53		2.73		8		mg/kg	SW-846 6010B	P
Nickel			0.72	B	0.79	B	9		mg/kg	SW-846 6010B	P
Potassium			49.9		72.1		36		mg/kg	SW-846 6010B	P
Selenium			0	U	0	U	0		mg/kg	SW-846 6010B	P
Silver			0	U	0	U	0		mg/kg	SW-846 6010B	P
Sodium			0	U	0	U	0		mg/kg	SW-846 6010B	P
Thallium			0	U	0.28	B	200		mg/kg	SW-846 6010B	P
Vanadium			1.08		1.07		.9		mg/kg	SW-846 6010B	P
Zinc			1.81		1.79		1		mg/kg	SW-846 6010B	P

FORM IX - IN

U.S. EPA - CLP
PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
046-BF-S-0619-02	06/20/02	2.5	g	100	mL
046-BF-S-0619-02DUP	06/20/02	2.5	g	100	mL
046-BF-S-0619-02MS	06/20/02	2.5	g	100	mL
046-BF-S-0619-02MSD	06/20/02	2.5	g	100	mL
046-RB-S-0619-02	06/20/02	2.5	g	100	mL
LCS FOR HBN 145858	06/20/02	2.5	g	100	mL
MB FOR HBN 145858	06/20/02	2.5	g	100	mL

FORM XIII - IN

U.S. EPA - CLP
PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002

Method: SW-846 7471A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
046-BF-S-0619-02	06/20/02	0.6	g	30	mL
046-BF-S-0619-02DUP	06/20/02	0.6	g	30	mL
046-BF-S-0619-02MS	06/20/02	0.6	g	30	mL
046-BF-S-0619-02MSD	06/20/02	0.6	g	30	mL
046-RB-S-0619-02	06/20/02	0.6	g	30	mL
LCS FOR HBN 145859	06/20/02	0.6	g	30	mL
MB FOR HBN 145859	06/20/02	0.6	g	30	mL

U.S. EPA - CLP
ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/21/02

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002 End Date: 06/22/02

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

				Analyte Symbols																														
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICB	*	1	0944	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
ICV	*	1	0951		X	X		X		X	X	X	X	X	X	X		X	X			X		X		X			X			X	X	
ICV2	*	1	0959	X			X																X				X							
ICSA	*	1	1013	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
ICSAB	*	1	1020	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
CCV	*	1	1026	X		X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
CCV2	*	1	1034		X																													
CCB	*	1	1102	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
MB FOR HBN 145858	*	1	1109	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
LCS FOR HBN 145858	*	1	1116	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02	*	1	1123	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02DUP	*	1	1130	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02MS	*	1	1137	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02MSD	*	1	1144	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02PDS	*	1	1150	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-BF-S-0619-02SD	*	5	1157	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
046-RB-S-0619-02	*	10	1223	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
CCV	*	1	1231	X		X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
CCV2	*	1	1238		X																													
CCB	*	1	1245	X	X	X	X	X		X	X	X	X	X	X	X		X	X			X	X	X		X	X		X			X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1253																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1301																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1308																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1315																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1323																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1330																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1337																															

0005997

U.S. EPA - CLP
ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/20/02

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002 End Date: 06/20/02

Instrument ID Number: FIMS1 Method: SW-846 7471A Method Type: AV

				Analyte Symbols																													
Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	1239																	X														
ICB	*	1	1241																	X														
CCV	*	1	1243																	X														
CCB	*	1	1245																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1246																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1248																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1250																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1251																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1253																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1255																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1256																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1258																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1300																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1302																															
CCV	*	1	1303																	X														
CCB	*	1	1305																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1307																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1309																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1310																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1312																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1314																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1316																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1317																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1319																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1321																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1322																															
CCV	*	1	1324																	X														

FORM XIV - IN

000598

U.S. EPA - CLP
ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 06/20/02

Lab Code: LA024 Case No.: SAS No.: SDG No.: 202062002 End Date: 06/20/02

Instrument ID Number: FIMS1 Method: SW-846 7471A Method Type: AV

Sample No.	PF	D/F	Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
				Analyte Symbols																														
CCB	*	1	1326																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1328																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1329																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1331																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1333																															
MB FOR HBN 145859	*	1	1334																	X														
LCS FOR HBN 145859	*	1	1336																	X														
046-BF-S-0619-02	*	1	1338																	X														
046-BF-S-0619-02DUP	*	1	1340																	X														
046-BF-S-0619-02MS	*	1	1341																	X														
046-BF-S-0619-02MSD	*	1	1343																	X														
CCV	*	1	1345																	X														
CCB	*	1	1347																	X														
046-RB-S-0619-02	*	1	1348																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1350																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1352																															
CCV	*	1	1354																	X														
CCB	*	1	1355																	X														

FORM XIV - IN

000599

ICP 5

ANALYST JAC
DATE 6-21-02
TIME 09:25

AS#	SAMPLE ID		DILUTION
1	CALIBRATION BLANK		
2	STANDARD 1	100-56-7	
3	STANDARD 2	100-56-8	
✓1	ICB		
✓12	ICV 200.7	100-57-1	
✓13	ICV 2 f: sn	100-54-4	
4	CRI		
✓5	ICSA	100-54-1	
✓6	ICSAB	100-55-3	
✓7	CCV 200.7		
✓8	CCV 2 200.7		
1	CCB		
17	46445 BIR 2020620 SI		
18	46446 RCS 2020620 SI		
19	CH2mHill 20206200201		
20	46447 20206200201 D		
21	46448 20206200201MS		
22	46449 20206200201 MSD		
23	46583 20206200201 A		
24	46584 20206200201 L		5x
25	20206200202 R/R		
26	— 20206200202		10X
✓7	CCV		
✓8	CCV 2		
✓1	CCB		
27	[redacted]		
28	[redacted]		
29	[redacted]		
30	[redacted]		
31	[redacted]		
32	[redacted]		
33	[redacted]		
34	[redacted]		
35	[redacted]		5x
36	[redacted]		
✓	[redacted]		
✓	[redacted]		
✓	[redacted]		
37	[redacted]		
38	[redacted]		
39	[redacted]		
40	[redacted]		
41	[redacted]		
42	[redacted]		
43	[redacted]		
44	[redacted]		
45	[redacted]		
46	[redacted]		

AS#	SAMPLE ID	DILUTION	
✓	[redacted]		
✓	[redacted]		
✓	[redacted]		
✓47	[redacted]	2x	
48	[redacted]		
49	[redacted]		
50	[redacted]		
51	[redacted]	6-21-02 JAC ~~5x~~ 10x	
52	[redacted]	2x	
53	[redacted]		
54	[redacted]		
55	[redacted]		
\ 56	[redacted]		
	[redacted]		
57	[redacted]		
58	[redacted]		
59	[redacted]		
60	[redacted]		
61	[redacted]		
62	[redacted]		
63	[redacted]		
64	[redacted]		
65	[redacted]		
66	[redacted]	5x	
✓	[redacted]		
NA 67	[redacted]		R/R
68	[redacted]		50x
69	[redacted]	10x	
70	[redacted]		
71	[redacted]		
72	[redacted]		
73	[redacted]	50x	R/R
74	[redacted]		
75	[redacted]		
76	[redacted]		
✓	[redacted]		

not Analyzed

QC REVIEW: JAC

QC CONTROL LIMITS:
ICV (200.7) 95%-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS 1479

QC: all acceptable QC noted with a checkmark; failures as indicated.

Analysis Begun

Start Time: 06/21/2002 09:25:45
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 06/21/2002 07:59:35
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\1468.sif
Results Data Set: 2020621 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 06/21/2002 09:25:45

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Argon	7489613.8	18758.96	0.25%	100.00	%
Scandium-IS	4707298.1	11431.82	0.24%	100.00	%
Yttrium,7440-65-5A	2171402.6	1673.62	0.08%	100.00	%
Yttrium,7440-65-5R	126872.2	2828.71	2.23%	100.00	%
Aluminum,7429-90-5†	-454.8	24.91	5.48%	[0.00]	mg/L
Antimony,7440-36-0†	-70.2	7.32	10.42%	[0.00]	mg/L
Arsenic,7440-38-2†	-52.2	1.62	3.10%	[0.00]	mg/L
Barium,7440-39-3†	75.7	5.60	7.41%	[0.00]	mg/L
Beryllium,7440-41-7†	-10443.4	167.05	1.60%	[0.00]	mg/L
Boron,7440-42-8†	-507.9	13.74	2.70%	[0.00]	mg/L
Cadmium,7440-43-9†	-395.0	13.80	3.49%	[0.00]	mg/L
Calcium,7440-70-2†	-376.9	8.30	2.20%	[0.00]	mg/L
Cerium,7440-45-1†	8117.8	133.33	1.64%	[0.00]	mg/L
Chromium,7440-47-3†	1611.8	10.36	0.64%	[0.00]	mg/L
Cobalt,7440-48-4†	-37.2	5.20	13.98%	[0.00]	mg/L
Copper,7440-50-8†	5110.8	90.84	1.78%	[0.00]	mg/L
Iron,7439-89-6†	-298.9	4.37	1.46%	[0.00]	mg/L
Lead,7439-92-1†	-93.6	3.43	3.66%	[0.00]	mg/L
Lithium,7439-93-2†	1187.2	81.16	6.84%	[0.00]	mg/L
Magnesium,7439-95-4†	22.9	11.36	49.62%	[0.00]	mg/L
Manganese,7439-96-5†	-1256.5	28.30	2.25%	[0.00]	mg/L
Molybdenum,7439-98-7†	-155.8	8.19	5.26%	[0.00]	mg/L
Nickel,7440-02-0†	253.0	15.05	5.95%	[0.00]	mg/L
Phosphorus,7439-93-2†	-178.0	5.42	3.05%	[0.00]	mg/L
Potassium,7440-09-7†	-2404.3	83.41	3.47%	[0.00]	mg/L
Selenium,7782-49-2†	-143.8	8.27	5.75%	[0.00]	mg/L
Silicon,7440-21-3†	400.8	58.59	14.62%	[0.00]	mg/L
Silver,7440-22-4†	-12922.6	91.94	0.71%	[0.00]	mg/L
Sodium,7440-23-5†	6858.2	119.32	1.74%	[0.00]	mg/L
Strontium,7440-24-6†	-142.7	40.41	28.32%	[0.00]	mg/L
Thallium,7440-28-0†	2.6	2.66	101.22%	[0.00]	mg/L
Tin,7440-31-5†	-35.7	5.45	15.27%	[0.00]	mg/L
Titanium,7440-32-6†	570.4	94.97	16.65%	[0.00]	mg/L
Vanadium,7440-62-2†	8871.1	11.84	0.13%	[0.00]	mg/L
Zinc,7440-66-6†	-36.6	1.60	4.36%	[0.00]	mg/L
Zirconium,7440-67-7†	1307.2	85.93	6.57%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 06/21/2002 09:32:59

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

Argon	7455760.6	15577.50	0.21%	99.548	%
Scandium-IS	4646411.3	20793.93	0.45%	98.707	%
Yttrium,7440-65-5A	2148663.9	43422.62	2.02%	98.953	%
Yttrium,7440-65-5R	121696.8	485.02	0.40%	95.921	%
Aluminum,7429-90-5†	6739.3	70.44	1.05%	[10.0]	mg/L
Arsenic,7440-38-2†	2120.2	37.10	1.75%	[1.00]	mg/L
Barium,7440-39-3†	170669.2	873.11	0.51%	[1.00]	mg/L
Beryllium,7440-41-7†	4040550.2	113621.17	2.81%	[1.00]	mg/L
Cadmium,7440-43-9†	169145.6	713.53	0.42%	[1.00]	mg/L
Calcium,7440-70-2†	35146.8	431.75	1.23%	[10.0]	mg/L
Cerium,7440-45-1†	102154.1	1134.26	1.11%	[1.00]	mg/L
Chromium,7440-47-3†	129474.1	855.61	0.66%	[1.00]	mg/L
Cobalt,7440-48-4†	61577.8	324.36	0.53%	[1.00]	mg/L
Copper,7440-50-8†	374469.0	2435.46	0.65%	[1.00]	mg/L
Iron,7439-89-6†	10033.7	102.45	1.02%	[10.0]	mg/L
Lead,7439-92-1†	16231.2	261.75	1.61%	[1.00]	mg/L
Lithium,7439-93-2†	58855.6	313.17	0.53%	[1.00]	mg/L
Magnesium,7439-95-4†	3069.3	28.50	0.93%	[10.0]	mg/L
Manganese,7439-96-5†	1079608.4	5972.14	0.55%	[1.00]	mg/L
Nickel,7440-02-0†	57825.4	188.28	0.33%	[1.00]	mg/L
Potassium,7440-09-7†	55483.0	147.50	0.27%	[20.0]	mg/L
Selenium,7782-49-2†	2199.6	34.28	1.56%	[1.00]	mg/L
Silver,7440-22-4†	305928.2	1925.27	0.63%	[1.00]	mg/L
Sodium,7440-23-5†	321373.7	286.55	0.09%	[40.0]	mg/L
Strontium,7440-24-6†	380560.7	554.26	0.15%	[1.00]	mg/L
Thallium,7440-28-0†	1730.5	35.21	2.03%	[1.00]	mg/L
Vanadium,7440-62-2†	235593.3	1451.58	0.62%	[1.00]	mg/L
Zinc,7440-66-6†	99964.6	581.21	0.58%	[1.00]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 06/21/2002 09:39:28
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Argon	7480291.3	9985.59	0.13%	99.876	%
Scandium-IS	4727201.9	5682.99	0.12%	100.42	%
Yttrium,7440-65-5A	2187714.2	21658.67	0.99%	100.75	%
Yttrium,7440-65-5R	123961.4	540.97	0.44%	97.706	%
Antimony,7440-36-0†	3044.2	44.62	1.47%	[1.00]	mg/L
Boron,7440-42-8†	236904.8	293.68	0.12%	[5.00]	mg/L
Molybdenum,7439-98-7†	24532.4	248.63	1.01%	[1.00]	mg/L
Phosphorus,7439-93-2†	20546.3	217.54	1.06%	[10.0]	mg/L
Silicon,7440-21-3†	124164.1	539.42	0.43%	[10.0]	mg/L
Tin,7440-31-5†	6671.1	44.30	0.66%	[1.00]	mg/L
Titanium,7440-32-6†	613628.3	2069.29	0.34%	[1.00]	mg/L
Zirconium,7440-67-7†	497926.6	1879.64	0.38%	[1.00]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum,7429-90-5	1	Lin, Calc Int	0.0	673.9	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	3044	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	2120	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	170700	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	4041000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	47380	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	169100	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	3515	0.00000	1.000000	
Cerium,7440-45-1	1	Lin, Calc Int	0.0	102200	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	129500	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	61580	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	374500	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	1003	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	16230	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	58860	0.00000	1.000000	

Magnesium,7439-95-4	1	Lin, Calc Int	0.0	306.9	0.00000	1.000000
Manganese,7439-96-5	1	Lin, Calc Int	0.0	1080000	0.00000	1.000000
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	24530	0.00000	1.000000
Nickel,7440-02-0	1	Lin, Calc Int	0.0	57830	0.00000	1.000000
Phosphorus,7439-93-2	1	Lin, Calc Int	0.0	2055	0.00000	1.000000
Potassium,7440-09-7	1	Lin, Calc Int	0.0	2774	0.00000	1.000000
Selenium,7782-49-2	1	Lin, Calc Int	0.0	2200	0.00000	1.000000
Silicon,7440-21-3	1	Lin, Calc Int	0.0	12420	0.00000	1.000000
Silver,7440-22-4	1	Lin, Calc Int	0.0	305900	0.00000	1.000000
Sodium,7440-23-5	1	Lin, Calc Int	0.0	8034	0.00000	1.000000
Strontium,7440-24-6	1	Lin, Calc Int	0.0	380600	0.00000	1.000000
Thallium,7440-28-0	1	Lin, Calc Int	0.0	1731	0.00000	1.000000
Tin,7440-31-5	1	Lin, Calc Int	0.0	6671	0.00000	1.000000
Titanium,7440-32-6	1	Lin, Calc Int	0.0	613600	0.00000	1.000000
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	235600	0.00000	1.000000
Zinc,7440-66-6	1	Lin, Calc Int	0.0	99960	0.00000	1.000000
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	497900	0.00000	1.000000

==========

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 06/21/2002 09:44:45**
Analyst:
Nebulizer Back Pressure: 150.0 kPa **Nebulizer Flow: 0.52 L/min**
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Original**

Mean Data: 1700

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Argon	7429219.4	99.194	%	0.1788				0.18%
Scandium-IS	4657473.5	98.942	%	0.6861				0.69%
Yttrium,7440-65-5A	2186906.4	100.71	%	1.156				1.15%
Yttrium,7440-65-5R	124912.6	98.455	%	0.2244				0.23%
Aluminum,7429-90-5†	-7.2	-0.0107	mg/L	0.00704	-0.0107	mg/L	0.00704	66.09%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	5.2	0.0017	mg/L	0.00220	0.0017	mg/L	0.00220	128.32%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	3.4	0.0016	mg/L	0.00081	0.0016	mg/L	0.00081	51.85%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-16.2	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	45.98%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	231.3	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	97.17%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1392.1	0.0294	mg/L	0.00340	0.0294	mg/L	0.00340	11.58%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	18.0	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	100.80%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-15.2	-0.0043	mg/L	0.00327	-0.0043	mg/L	0.00327	75.58%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Cerium,7440-45-1†	-251.2	-0.0025	mg/L	0.00036	-0.0025	mg/L	0.00036	14.63%
QC value within limits for Cerium,7440-45-1 Recovery = Not calculated								
Chromium,7440-47-3†	-33.8	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	43.74%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	9.2	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	64.08%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	488.4	0.0013	mg/L	0.00014	0.0013	mg/L	0.00014	11.00%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-8.7	-0.0087	mg/L	0.00240	-0.0087	mg/L	0.00240	27.54%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-9.0	-0.0006	mg/L	0.00036	-0.0006	mg/L	0.00036	65.42%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	68.9	0.0012	mg/L	0.00062	0.0012	mg/L	0.00062	52.98%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-0.4	-0.0014	mg/L	0.01899	-0.0014	mg/L	0.01899	>999.9%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	23.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	102.42%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	56.8	0.0023	mg/L	0.00021	0.0023	mg/L	0.00021	9.14%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-4.2	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	201.92%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Phosphorus,7439-93-2†	8.0	0.0043	mg/L	0.00356	0.0043	mg/L	0.00356	83.34%

QC value within limits for Phosphorus,7439-93-2 Recovery = Not calculated
Potassium,7440-09-7† 81.8 0.0295 mg/L 0.04651 0.0295 mg/L 0.04651 157.67%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† 2.7 0.0012 mg/L 0.00053 0.0012 mg/L 0.00053 42.91%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† -9.5 -0.0008 mg/L 0.00127 -0.0008 mg/L 0.00127 165.15%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† 470.4 0.0015 mg/L 0.00017 0.0015 mg/L 0.00017 11.18%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† 2757.1 0.3432 mg/L 0.07768 0.3432 mg/L 0.07768 22.64%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† -2.5 0.0000 mg/L 0.00006 0.0000 mg/L 0.00006 954.14%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† 2.4 0.0014 mg/L 0.00193 0.0014 mg/L 0.00193 138.79%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 0.3 0.0001 mg/L 0.00098 0.0001 mg/L 0.00098 >999.9%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† 70.2 0.0001 mg/L 0.00012 0.0001 mg/L 0.00012 100.72%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -165.9 -0.0007 mg/L 0.00029 -0.0007 mg/L 0.00029 41.15%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† 65.0 0.0007 mg/L 0.00015 0.0007 mg/L 0.00015 22.80%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 12.3 0.0000 mg/L 0.00011 0.0000 mg/L 0.00011 465.01%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analytes passed QC.

Sequence No.: 5
Sample ID: 1600
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 06/21/2002 09:51:58
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1600

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7451594.8	99.492	%	0.0188				0.02%
Scandium-IS	4719995.5	100.27	%	0.908				0.91%
Yttrium,7440-65-5A	2189914.2	100.85	%	1.000				0.99%
Yttrium,7440-65-5R	123020.9	96.964	%	1.0452				1.08%
Aluminum,7429-90-5†	26.4	0.0148	mg/L	0.01370	0.0148	mg/L	0.01370	92.65%
Antimony,7440-36-0†	2967.0	0.9523	mg/L	0.00810	0.9523	mg/L	0.00810	0.85%
QC value within limits for Antimony,7440-36-0 Recovery = 95.23%								
Arsenic,7440-38-2†	2095.2	1.0208	mg/L	0.00590	1.0208	mg/L	0.00590	0.58%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.08%								
Barium,7440-39-3†	-208.0	-0.0020	mg/L	0.00001	-0.0020	mg/L	0.00001	0.38%
Beryllium,7440-41-7†	4076964.7	1.0083	mg/L	0.02099	1.0083	mg/L	0.02099	2.08%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.83%								
Boron,7440-42-8†	450.0	0.0100	mg/L	0.00057	0.0100	mg/L	0.00057	5.75%
Cadmium,7440-43-9†	171087.9	1.0115	mg/L	0.00799	1.0115	mg/L	0.00799	0.79%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.15%								
Calcium,7440-70-2†	3648.8	1.0377	mg/L	0.02657	1.0377	mg/L	0.02657	2.56%
QC value within limits for Calcium,7440-70-2 Recovery = 103.77%								
Cerium,7440-45-1†	105886.9	1.0372	mg/L	0.00274	1.0372	mg/L	0.00274	0.26%
QC value within limits for Cerium,7440-45-1 Recovery = 103.72%								
Chromium,7440-47-3†	132553.6	1.0230	mg/L	0.00905	1.0230	mg/L	0.00905	0.88%
QC value within limits for Chromium,7440-47-3 Recovery = 102.30%								
Cobalt,7440-48-4†	64407.0	1.0433	mg/L	0.00857	1.0433	mg/L	0.00857	0.82%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.33%								
Copper,7440-50-8†	365293.1	0.9717	mg/L	0.00036	0.9717	mg/L	0.00036	0.04%
QC value within limits for Copper,7440-50-8 Recovery = 97.17%								
Iron,7439-89-6†	1016.6	1.0137	mg/L	0.01072	1.0137	mg/L	0.01072	1.06%
QC value within limits for Iron,7439-89-6 Recovery = 101.37%								
Lead,7439-92-1†	16952.9	1.0444	mg/L	0.00846	1.0444	mg/L	0.00846	0.81%
QC value within limits for Lead,7439-92-1 Recovery = 104.44%								
Lithium,7439-93-2†	62523.3	1.0625	mg/L	0.01004	1.0625	mg/L	0.01004	0.94%
QC value within limits for Lithium,7439-93-2 Recovery = 106.25%								
Magnesium,7439-95-4†	307.8	1.0030	mg/L	0.02018	1.0030	mg/L	0.02018	2.01%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.30%								
Manganese,7439-96-5†	1117175.5	1.0350	mg/L	0.00244	1.0350	mg/L	0.00244	0.24%

QC value within limits for Manganese,7439-96-5 Recovery = 103.50%

Molybdenum,7439-98-7†	24179.5	0.9857 mg/L	0.00724	0.9857 mg/L	0.00724	0.73%

QC value within limits for Molybdenum,7439-98-7 Recovery = 98.57%

Nickel,7440-02-0†	60097.2	1.0392 mg/L	0.00983	1.0392 mg/L	0.00983	0.95%

QC value within limits for Nickel,7440-02-0 Recovery = 103.92%

Phosphorus,7439-93-2†	-111.2	0.2527 mg/L	0.00109	0.2527 mg/L	0.00109	0.43%
Potassium,7440-09-7†	-80.9	-0.0250 mg/L	0.01231	-0.0250 mg/L	0.01231	49.16%
Selenium,7782-49-2†	2177.6	0.9898 mg/L	0.00803	0.9898 mg/L	0.00803	0.81%

QC value within limits for Selenium,7782-49-2 Recovery = 98.98%

Silicon,7440-21-3†	420.2	0.0151 mg/L	0.00016	0.0151 mg/L	0.00016	1.08%
Silver,7440-22-4†	312300.9	1.0208 mg/L	0.00995	1.0208 mg/L	0.00995	0.97%

QC value within limits for Silver,7440-22-4 Recovery = 102.08%

Sodium,7440-23-5†	-948.5	-0.1143 mg/L	0.00632	-0.1143 mg/L	0.00632	5.52%
Strontium,7440-24-6†	380511.2	0.9999 mg/L	0.00575	0.9999 mg/L	0.00575	0.58%

QC value within limits for Strontium,7440-24-6 Recovery = 99.99%

Thallium,7440-28-0†	1748.8	1.0106 mg/L	0.00959	1.0106 mg/L	0.00959	0.95%

QC value within limits for Thallium,7440-28-0 Recovery = 101.06%

Tin,7440-31-5†	-5.3	0.0057 mg/L	0.00126	0.0057 mg/L	0.00126	22.04%
Titanium,7440-32-6†	604023.6	0.9843 mg/L	0.00324	0.9843 mg/L	0.00324	0.33%

QC value within limits for Titanium,7440-32-6 Recovery = 98.43%

Vanadium,7440-62-2†	235914.5	1.0014 mg/L	0.00986	1.0014 mg/L	0.00986	0.98%

QC value within limits for Vanadium,7440-62-2 Recovery = 100.14%

Zinc,7440-66-6†	100917.9	1.0034 mg/L	0.00903	1.0034 mg/L	0.00903	0.90%

QC value within limits for Zinc,7440-66-6 Recovery = 100.34%

Zirconium,7440-67-7†	1074.2	0.0021 mg/L	0.00050	0.0021 mg/L	0.00050	23.41%

All analytes passed QC.

Sequence No.: 6
Sample ID: 1601
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 06/21/2002 09:59:22
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Argon	7426096.6	99.152	%	0.1002				0.10%
Scandium-IS	4607096.9	97.871	%	0.5050				0.52%
Yttrium,7440-65-5A	2136688.9	98.401	%	0.7280				0.74%
Yttrium,7440-65-5R	122706.9	96.717	%	1.0265				1.06%
Aluminum,7429-90-5†	6919.3	10.267	mg/L	0.0613	10.267	mg/L	0.0613	0.60%

QC value within limits for Aluminum,7429-90-5 Recovery = 102.67%

Antimony,7440-36-0†	4.2	0.0015	mg/L	0.00099	0.0015	mg/L	0.00099	66.19%
Arsenic,7440-38-2†	-6.5	-0.0005	mg/L	0.00249	-0.0005	mg/L	0.00249	522.03%
Barium,7440-39-3†	177516.8	1.0401	mg/L	0.02156	1.0401	mg/L	0.02156	2.07%

QC value within limits for Barium,7440-39-3 Recovery = 104.01%

Beryllium,7440-41-7†	817.7	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	20.07%
Boron,7440-42-8†	229183.6	4.8369	mg/L	0.07463	4.8369	mg/L	0.07463	1.54%

QC value within limits for Boron,7440-42-8 Recovery = 96.74%

Cadmium,7440-43-9†	-14.0	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	56.29%
Calcium,7440-70-2†	408.0	0.1153	mg/L	0.00188	0.1153	mg/L	0.00188	1.63%
Cerium,7440-45-1†	25.4	0.0003	mg/L	0.00070	0.0003	mg/L	0.00070	240.15%
Chromium,7440-47-3†	40.4	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.60%
Cobalt,7440-48-4†	-140.4	-0.0023	mg/L	0.00026	-0.0023	mg/L	0.00026	11.33%
Copper,7440-50-8†	2196.5	0.0058	mg/L	0.00084	0.0058	mg/L	0.00084	14.43%
Iron,7439-89-6†	-11.4	-0.0117	mg/L	0.00500	-0.0117	mg/L	0.00500	42.66%
Lead,7439-92-1†	-27.7	0.0004	mg/L	0.00058	0.0004	mg/L	0.00058	135.99%
Lithium,7439-93-2†	-26.4	-0.0004	mg/L	0.00184	-0.0004	mg/L	0.00184	505.62%
Magnesium,7439-95-4†	4.5	0.0145	mg/L	0.00881	0.0145	mg/L	0.00881	60.64%
Manganese,7439-96-5†	301.7	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	8.13%
Molybdenum,7439-98-7†	82.3	0.0034	mg/L	0.00059	0.0034	mg/L	0.00059	17.51%
Nickel,7440-02-0†	32.3	0.0005	mg/L	0.00034	0.0005	mg/L	0.00034	64.05%
Phosphorus,7439-93-2†	-16.9	0.0009	mg/L	0.00313	0.0009	mg/L	0.00313	365.97%
Potassium,7440-09-7†	28301.2	10.202	mg/L	0.0504	10.202	mg/L	0.0504	0.49%

QC value within limits for Potassium,7440-09-7 Recovery = 102.02%

Selenium,7782-49-2†	-10.0	-0.0012	mg/L	0.00027	-0.0012	mg/L	0.00027	22.87%
Silicon,7440-21-3†	2.6	-0.0006	mg/L	0.00077	-0.0006	mg/L	0.00077	126.21%
Silver,7440-22-4†	2663.7	0.0087	mg/L	0.00019	0.0087	mg/L	0.00019	2.20%
Sodium,7440-23-5†	82517.9	10.269	mg/L	0.0833	10.269	mg/L	0.0833	0.81%

QC value within limits for Sodium,7440-23-5 Recovery = 102.69%

Strontium,7440-24-6†	63.2	0.0002 mg/L	0.00019	0.0002 mg/L	0.00019	112.85%
Thallium,7440-28-0†	2.8	0.0016 mg/L	0.00079	0.0016 mg/L	0.00079	49.59%
Tin,7440-31-5†	3333.4	0.4999 mg/L	0.00425	0.4999 mg/L	0.00425	0.85%
QC value less than the lower limit for Tin,7440-31-5 Recovery = 49.99%						
Titanium,7440-32-6†	528.3	0.0009 mg/L	0.00013	0.0009 mg/L	0.00013	15.63%
Vanadium,7440-62-2†	83.3	0.0003 mg/L	0.00057	0.0003 mg/L	0.00057	178.82%
Zinc,7440-66-6†	578.4	0.0055 mg/L	0.00014	0.0055 mg/L	0.00014	2.48%
Zirconium,7440-67-7†	484439.8	0.9729 mg/L	0.00668	0.9729 mg/L	0.00668	0.69%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.29%						

QC Failed. Continue with analysis.

Sequence No.: 7
Sample ID: 2300
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 06/21/2002 10:06:38
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2300

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7409331.8	98.928	%	0.1679				0.17%
Scandium-IS	4642559.0	98.625	%	1.3321				1.35%
Yttrium,7440-65-5A	2164587.6	99.686	%	0.8927				0.90%
Yttrium,7440-65-5R	121269.8	95.584	%	0.2982				0.31%
Aluminum,7429-90-5†	5.3	0.0077	mg/L	0.01073	0.0077	mg/L	0.01073	139.40%
Antimony,7440-36-0†	26.9	0.0087	mg/L	0.00035	0.0087	mg/L	0.00035	3.97%
Arsenic,7440-38-2†	4.4	0.0022	mg/L	0.00102	0.0022	mg/L	0.00102	46.22%
Barium,7440-39-3†	816.5	0.0048	mg/L	0.00013	0.0048	mg/L	0.00013	2.72%
Beryllium,7440-41-7†	20709.8	0.0051	mg/L	0.00006	0.0051	mg/L	0.00006	1.15%
Boron,7440-42-8†	3111.1	0.0657	mg/L	0.00480	0.0657	mg/L	0.00480	7.31%
Cadmium,7440-43-9†	833.6	0.0049	mg/L	0.00001	0.0049	mg/L	0.00001	0.28%
Calcium,7440-70-2†	105.6	0.0301	mg/L	0.00177	0.0301	mg/L	0.00177	5.90%
Cerium,7440-45-1†	398.0	0.0039	mg/L	0.00077	0.0039	mg/L	0.00077	19.73%
Chromium,7440-47-3†	650.1	0.0050	mg/L	0.00034	0.0050	mg/L	0.00034	6.81%
Cobalt,7440-48-4†	311.4	0.0050	mg/L	0.00020	0.0050	mg/L	0.00020	3.94%
Copper,7440-50-8†	2570.0	0.0068	mg/L	0.00043	0.0068	mg/L	0.00043	6.35%
Iron,7439-89-6†	37.0	0.0369	mg/L	0.00581	0.0369	mg/L	0.00581	15.73%
Lead,7439-92-1†	105.0	0.0065	mg/L	0.00108	0.0065	mg/L	0.00108	16.76%
Lithium,7439-93-2†	383.5	0.0065	mg/L	0.00066	0.0065	mg/L	0.00066	10.07%
Magnesium,7439-95-4†	12.9	0.0422	mg/L	0.01025	0.0422	mg/L	0.01025	24.29%
Manganese,7439-96-5†	5752.0	0.0053	mg/L	0.00006	0.0053	mg/L	0.00006	1.09%
Molybdenum,7439-98-7†	149.6	0.0061	mg/L	0.00013	0.0061	mg/L	0.00013	2.19%
Nickel,7440-02-0†	290.9	0.0050	mg/L	0.00036	0.0050	mg/L	0.00036	7.25%
Phosphorus,7439-93-2†	97.6	0.0496	mg/L	0.00252	0.0496	mg/L	0.00252	5.09%
Potassium,7440-09-7†	185.7	0.0670	mg/L	0.02633	0.0670	mg/L	0.02633	39.32%
Selenium,7782-49-2†	16.9	0.0077	mg/L	0.00171	0.0077	mg/L	0.00171	22.20%
Silicon,7440-21-3†	539.3	0.0433	mg/L	0.00059	0.0433	mg/L	0.00059	1.36%
Silver,7440-22-4†	1698.5	0.0056	mg/L	0.00064	0.0056	mg/L	0.00064	11.55%
Sodium,7440-23-5†	1152.1	0.1434	mg/L	0.00984	0.1434	mg/L	0.00984	6.86%
Strontium,7440-24-6†	1869.8	0.0049	mg/L	0.00014	0.0049	mg/L	0.00014	2.90%
Thallium,7440-28-0†	2.1	0.0012	mg/L	0.00164	0.0012	mg/L	0.00164	132.76%
Tin,7440-31-5†	41.1	0.0062	mg/L	0.00045	0.0062	mg/L	0.00045	7.34%
Titanium,7440-32-6†	3216.3	0.0052	mg/L	0.00009	0.0052	mg/L	0.00009	1.74%
QC value within limits for Titanium,7440-32-6 Recovery = 104.82%								
Vanadium,7440-62-2†	934.7	0.0040	mg/L	0.00006	0.0040	mg/L	0.00006	1.63%
Zinc,7440-66-6†	332.3	0.0033	mg/L	0.00008	0.0033	mg/L	0.00008	2.52%
Zirconium,7440-67-7†	5450.8	0.0109	mg/L	0.00124	0.0109	mg/L	0.00124	11.29%

All analytes passed QC.

Sequence No.: 8
Sample ID: 2000
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 06/21/2002 10:13:54
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2000

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Argon	7057634.9	94.232	%	0.2278				0.24%
Scandium-IS	4381298.7	93.075	%	0.5795				0.62%
Yttrium,7440-65-5A	2059988.9	94.869	%	1.0380				1.09%
Yttrium,7440-65-5R	119280.4	94.016	%	1.0167				1.08%
Aluminum,7429-90-5†	152993.3	226.99	mg/L	0.401	226.99	mg/L	0.401	0.18%
QC value within limits for Aluminum,7429-90-5 Recovery = 113.49%								
Antimony,7440-36-0†	-71.5	-0.0176	mg/L	0.00221	-0.0176	mg/L	0.00221	12.55%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-172.9	-0.0092	mg/L	0.00299	-0.0092	mg/L	0.00299	32.65%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	545.8	0.0010	mg/L	0.00011	0.0010	mg/L	0.00011	11.75%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-306.2	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	55.80%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	-982.6	-0.0017	mg/L	0.00307	-0.0017	mg/L	0.00307	184.18%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	815.9	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	38.44%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	785081.0	223.34	mg/L	2.193	223.34	mg/L	2.193	0.98%
QC value within limits for Calcium,7440-70-2 Recovery = 111.67%								
Cerium,7440-45-1†	-522.1	-0.0030	mg/L	0.00163	-0.0030	mg/L	0.00163	54.81%
Chromium,7440-47-3†	384.5	0.0073	mg/L	0.00037	0.0073	mg/L	0.00037	5.09%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	91.7	0.0018	mg/L	0.00011	0.0018	mg/L	0.00011	6.06%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-4896.7	-0.0022	mg/L	0.00063	-0.0022	mg/L	0.00063	29.35%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	86922.1	86.613	mg/L	0.0996	86.613	mg/L	0.0996	0.12%
QC value within limits for Iron,7439-89-6 Recovery = 108.27%								
Lead,7439-92-1†	-652.1	0.0011	mg/L	0.00170	0.0011	mg/L	0.00170	153.33%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-50.4	0.0031	mg/L	0.00057	0.0031	mg/L	0.00057	18.39%
Magnesium,7439-95-4†	67607.8	220.34	mg/L	0.239	220.34	mg/L	0.239	0.11%
QC value within limits for Magnesium,7439-95-4 Recovery = 110.17%								
Manganese,7439-96-5†	-5242.3	-0.0010	mg/L	0.00010	-0.0010	mg/L	0.00010	9.65%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	44.2	-0.0025	mg/L	0.00045	-0.0025	mg/L	0.00045	17.67%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	33.3	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	234.62%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Phosphorus,7439-93-2†	0.3	0.0763	mg/L	0.00053	0.0763	mg/L	0.00053	0.70%
Potassium,7440-09-7†	-212.4	-0.0362	mg/L	0.01864	-0.0362	mg/L	0.01864	51.43%
Selenium,7782-49-2†	-305.2	-0.0413	mg/L	0.00312	-0.0413	mg/L	0.00312	7.55%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	186.6	0.0128	mg/L	0.00090	0.0128	mg/L	0.00090	7.04%
Silver,7440-22-4†	-1722.7	-0.0056	mg/L	0.00015	-0.0056	mg/L	0.00015	2.63%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	1984.6	0.2187	mg/L	0.01344	0.2187	mg/L	0.01344	6.14%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	2138.5	0.0056	mg/L	0.00008	0.0056	mg/L	0.00008	1.44%
Thallium,7440-28-0†	16.9	0.0098	mg/L	0.00112	0.0098	mg/L	0.00112	11.48%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	67.1	0.0042	mg/L	0.00009	0.0042	mg/L	0.00009	2.20%
Titanium,7440-32-6†	453.9	0.0007	mg/L	0.00012	0.0007	mg/L	0.00012	15.56%
Vanadium,7440-62-2†	967.7	-0.0035	mg/L	0.00054	-0.0035	mg/L	0.00054	15.31%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	2619.8	-0.0087	mg/L	0.00020	-0.0087	mg/L	0.00020	2.26%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	967.7	0.0011	mg/L	0.00018	0.0011	mg/L	0.00018	15.51%

All analytes passed QC.

Sequence No.: 9
Sample ID: 2100
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 06/21/2002 10:20:21
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 2100

Mean Corrected Calib Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Argon	7116348.4	95.016	%	0.1234				0.13%
Scandium-IS	4377391.7	92.992	%	0.8991				0.97%
Yttrium,7440-65-5A	2030716.2	93.521	%	0.5287				0.57%
Yttrium,7440-65-5R	119925.6	94.525	%	1.1948				1.26%
Aluminum,7429-90-5†	137138.0	203.45	mg/L	0.941	203.45	mg/L	0.941	0.46%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.73%								
Antimony,7440-36-0†	2889.3	0.9441	mg/L	0.02757	0.9441	mg/L	0.02757	2.92%
QC value within limits for Antimony,7440-36-0 Recovery = 94.41%								
Arsenic,7440-38-2†	2055.4	1.0514	mg/L	0.00777	1.0514	mg/L	0.00777	0.74%
QC value within limits for Arsenic,7440-38-2 Recovery = 105.14%								
Barium,7440-39-3†	88183.0	0.5143	mg/L	0.00074	0.5143	mg/L	0.00074	0.14%
QC value within limits for Barium,7440-39-3 Recovery = 102.87%								
Beryllium,7440-41-7†	2116861.4	0.5240	mg/L	0.00409	0.5240	mg/L	0.00409	0.78%
QC value within limits for Beryllium,7440-41-7 Recovery = 104.80%								
Boron,7440-42-8†	48399.6	1.0387	mg/L	0.00440	1.0387	mg/L	0.00440	0.42%
QC value within limits for Boron,7440-42-8 Recovery = 103.87%								
Cadmium,7440-43-9†	167333.6	0.9847	mg/L	0.00221	0.9847	mg/L	0.00221	0.22%
QC value within limits for Cadmium,7440-43-9 Recovery = 98.47%								
Calcium,7440-70-2†	693929.3	197.41	mg/L	0.685	197.41	mg/L	0.685	0.35%
QC value within limits for Calcium,7440-70-2 Recovery = 98.70%								
Cerium,7440-45-1†	-237.6	0.0001	mg/L	0.00177	0.0001	mg/L	0.00177	>999.9%
Chromium,7440-47-3†	66084.8	0.5139	mg/L	0.00084	0.5139	mg/L	0.00084	0.16%
QC value within limits for Chromium,7440-47-3 Recovery = 102.78%								
Cobalt,7440-48-4†	30004.8	0.4873	mg/L	0.00209	0.4873	mg/L	0.00209	0.43%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.46%								
Copper,7440-50-8†	190262.6	0.5160	mg/L	0.00124	0.5160	mg/L	0.00124	0.24%
QC value within limits for Copper,7440-50-8 Recovery = 103.19%								
Iron,7439-89-6†	77918.8	77.642	mg/L	0.3166	77.642	mg/L	0.3166	0.41%
QC value within limits for Iron,7439-89-6 Recovery = 97.05%								
Lead,7439-92-1†	15512.4	0.9926	mg/L	0.00387	0.9926	mg/L	0.00387	0.39%
QC value within limits for Lead,7439-92-1 Recovery = 99.26%								
Lithium,7439-93-2†	-72.6	0.0024	mg/L	0.00125	0.0024	mg/L	0.00125	51.60%
Magnesium,7439-95-4†	60424.8	196.93	mg/L	0.705	196.93	mg/L	0.705	0.36%
QC value within limits for Magnesium,7439-95-4 Recovery = 98.46%								
Manganese,7439-96-5†	543805.4	0.5072	mg/L	0.00056	0.5072	mg/L	0.00056	0.11%
QC value within limits for Manganese,7439-96-5 Recovery = 101.44%								
Molybdenum,7439-98-7†	24487.9	0.9944	mg/L	0.00605	0.9944	mg/L	0.00605	0.61%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.44%								
Nickel,7440-02-0†	54973.5	0.9503	mg/L	0.00332	0.9503	mg/L	0.00332	0.35%
QC value within limits for Nickel,7440-02-0 Recovery = 95.03%								
Phosphorus,7439-93-2†	-44.0	0.2108	mg/L	0.00327	0.2108	mg/L	0.00327	1.55%
Potassium,7440-09-7†	-143.8	-0.0139	mg/L	0.01842	-0.0139	mg/L	0.01842	132.57%
Selenium,7782-49-2†	2072.9	1.0296	mg/L	0.00650	1.0296	mg/L	0.00650	0.63%
QC value within limits for Selenium,7782-49-2 Recovery = 102.96%								
Silicon,7440-21-3†	1975.0	0.1580	mg/L	0.00294	0.1580	mg/L	0.00294	1.86%
Silver,7440-22-4†	333980.5	1.0917	mg/L	0.00056	1.0917	mg/L	0.00056	0.05%
QC value within limits for Silver,7440-22-4 Recovery = 109.17%								
Sodium,7440-23-5†	9933.2	1.2127	mg/L	0.01798	1.2127	mg/L	0.01798	1.48%
Strontium,7440-24-6†	1825.1	0.0048	mg/L	0.00009	0.0048	mg/L	0.00009	1.94%
Thallium,7440-28-0†	1821.9	1.0528	mg/L	0.00465	1.0528	mg/L	0.00465	0.44%
QC value within limits for Thallium,7440-28-0 Recovery = 105.28%								
Tin,7440-31-5†	67.8	0.0052	mg/L	0.00074	0.0052	mg/L	0.00074	14.38%
Titanium,7440-32-6†	123.8	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	72.26%
Vanadium,7440-62-2†	122396.6	0.5127	mg/L	0.00079	0.5127	mg/L	0.00079	0.15%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.54%								
Zinc,7440-66-6†	104245.0	1.0049	mg/L	0.00654	1.0049	mg/L	0.00654	0.65%
QC value within limits for Zinc,7440-66-6 Recovery = 100.49%								
Zirconium,7440-67-7†	2259.2	0.0039	mg/L	0.00059	0.0039	mg/L	0.00059	15.26%

All analytes passed QC.

Sequence No.: 10
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 06/21/2002 10:26:38
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Argon	7518641.3	100.39 %	0.252			0.25%
Scandium-IS	4679994.1	99.420 %	0.3259			0.33%
Yttrium,7440-65-5A	2182137.9	100.49 %	1.857			1.85%
Yttrium,7440-65-5R	122358.0	96.442 %	0.4846			0.50%
Aluminum,7429-90-5†	3407.1	5.0437 mg/L	0.06773	5.0437 mg/L	0.06773	1.34%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.87%						
Antimony,7440-36-0†	80.1	0.0162 mg/L	0.00271	0.0162 mg/L	0.00271	16.69%
Arsenic,7440-38-2†	1058.2	0.5170 mg/L	0.00839	0.5170 mg/L	0.00839	1.62%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.39%						
Barium,7440-39-3†	85348.4	0.4996 mg/L	0.00702	0.4996 mg/L	0.00702	1.40%
QC value within limits for Barium,7440-39-3 Recovery = 99.92%						
Beryllium,7440-41-7†	2024636.0	0.5012 mg/L	0.01012	0.5012 mg/L	0.01012	2.02%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.23%						
Boron,7440-42-8†	356.6	0.0090 mg/L	0.00114	0.0090 mg/L	0.00114	12.76%
Cadmium,7440-43-9†	85630.6	0.5060 mg/L	0.00648	0.5060 mg/L	0.00648	1.28%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.21%						
Calcium,7440-70-2†	18032.6	5.1296 mg/L	0.06190	5.1296 mg/L	0.06190	1.21%
QC value within limits for Calcium,7440-70-2 Recovery = 102.59%						
Cerium,7440-45-1†	51980.1	0.5093 mg/L	0.01008	0.5093 mg/L	0.01008	1.98%
QC value within limits for Cerium,7440-45-1 Recovery = 101.86%						
Chromium,7440-47-3†	64826.9	0.5005 mg/L	0.00779	0.5005 mg/L	0.00779	1.56%
QC value within limits for Chromium,7440-47-3 Recovery = 100.10%						
Cobalt,7440-48-4†	31185.8	0.5063 mg/L	0.00711	0.5063 mg/L	0.00711	1.40%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.26%						
Copper,7440-50-8†	186466.8	0.4969 mg/L	0.00734	0.4969 mg/L	0.00734	1.48%
QC value within limits for Copper,7440-50-8 Recovery = 99.37%						
Iron,7439-89-6†	5195.7	5.1780 mg/L	0.05354	5.1780 mg/L	0.05354	1.03%
QC value within limits for Iron,7439-89-6 Recovery = 103.56%						
Lead,7439-92-1†	8257.6	0.5093 mg/L	0.00747	0.5093 mg/L	0.00747	1.47%
QC value within limits for Lead,7439-92-1 Recovery = 101.86%						
Lithium,7439-93-2†	29814.0	0.5067 mg/L	0.00542	0.5067 mg/L	0.00542	1.07%
QC value within limits for Lithium,7439-93-2 Recovery = 101.35%						
Magnesium,7439-95-4†	1602.0	5.2218 mg/L	0.06193	5.2218 mg/L	0.06193	1.19%
QC value within limits for Magnesium,7439-95-4 Recovery = 104.44%						
Manganese,7439-96-5†	548760.4	0.5086 mg/L	0.00063	0.5086 mg/L	0.00063	0.12%
QC value within limits for Manganese,7439-96-5 Recovery = 101.72%						
Molybdenum,7439-98-7†	86.0	0.0035 mg/L	0.00087	0.0035 mg/L	0.00087	24.69%
Nickel,7440-02-0†	29393.2	0.5083 mg/L	0.00605	0.5083 mg/L	0.00605	1.19%
QC value within limits for Nickel,7440-02-0 Recovery = 101.66%						
Phosphorus,7439-93-2†	-63.2	0.1251 mg/L	0.00178	0.1251 mg/L	0.00178	1.42%
Potassium,7440-09-7†	28009.3	10.100 mg/L	0.1192	10.100 mg/L	0.1192	1.18%
QC value within limits for Potassium,7440-09-7 Recovery = 101.00%						
Selenium,7782-49-2†	1108.6	0.5068 mg/L	0.00788	0.5068 mg/L	0.00788	1.56%
QC value within limits for Selenium,7782-49-2 Recovery = 101.37%						
Silicon,7440-21-3†	-53.3	-0.0034 mg/L	0.00127	-0.0034 mg/L	0.00127	37.13%
Silver,7440-22-4†	151592.8	0.4955 mg/L	0.00686	0.4955 mg/L	0.00686	1.38%
QC value within limits for Silver,7440-22-4 Recovery = 99.10%						
Sodium,7440-23-5†	159540.6	19.859 mg/L	0.1969	19.859 mg/L	0.1969	0.99%
QC value within limits for Sodium,7440-23-5 Recovery = 99.29%						
Strontium,7440-24-6†	188512.2	0.4954 mg/L	0.00559	0.4954 mg/L	0.00559	1.13%
QC value within limits for Strontium,7440-24-6 Recovery = 99.07%						
Thallium,7440-28-0†	862.0	0.4981 mg/L	0.00675	0.4981 mg/L	0.00675	1.36%
QC value within limits for Thallium,7440-28-0 Recovery = 99.62%						
Tin,7440-31-5†	8.2	0.0012 mg/L	0.00023	0.0012 mg/L	0.00023	18.73%
Titanium,7440-32-6†	190.7	0.0003 mg/L	0.00021	0.0003 mg/L	0.00021	79.40%
Vanadium,7440-62-2†	116675.8	0.4949 mg/L	0.00737	0.4949 mg/L	0.00737	1.49%
QC value within limits for Vanadium,7440-62-2 Recovery = 98.97%						
Zinc,7440-66-6†	51079.8	0.5060 mg/L	0.00679	0.5060 mg/L	0.00679	1.34%
QC value within limits for Zinc,7440-66-6 Recovery = 101.21%						
Zirconium,7440-67-7†	228.9	0.0005 mg/L	0.00015	0.0005 mg/L	0.00015	32.97%

All analytes passed QC.

Sequence No.: 11
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 06/21/2002 10:34:03

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Argon	7469657.9	99.734	%	0.2331				0.23%
Scandium-IS	4682247.4	99.468	%	1.2927				1.30%
Yttrium,7440-65-5A	2192381.9	100.97	%	1.071				1.06%
Yttrium,7440-65-5R	122942.6	96.903	%	0.4226				0.44%
Aluminum,7429-90-5†	-1.8	-0.0035	mg/L	0.01149	-0.0035	mg/L	0.01149	329.74%
Antimony,7440-36-0†	1520.1	0.4987	mg/L	0.00508	0.4987	mg/L	0.00508	1.02%
QC value within limits for Antimony,7440-36-0 Recovery = 99.74%								
Arsenic,7440-38-2†	-7.3	-0.0035	mg/L	0.00186	-0.0035	mg/L	0.00186	53.36%
Barium,7440-39-3†	-162.8	-0.0010	mg/L	0.00006	-0.0010	mg/L	0.00006	6.39%
Beryllium,7440-41-7†	1481.5	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	118.57%
Boron,7440-42-8†	116942.8	2.4681	mg/L	0.02449	2.4681	mg/L	0.02449	0.99%
QC value within limits for Boron,7440-42-8 Recovery = 98.72%								
Cadmium,7440-43-9†	-12.6	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	62.44%
Calcium,7440-70-2†	-7.8	-0.0023	mg/L	0.00585	-0.0023	mg/L	0.00585	259.67%
Cerium,7440-45-1†	-175.4	-0.0018	mg/L	0.00057	-0.0018	mg/L	0.00057	31.20%
Chromium,7440-47-3†	7.0	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	238.90%
Cobalt,7440-48-4†	64.5	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	123.10%
Copper,7440-50-8†	1186.5	0.0031	mg/L	0.00043	0.0031	mg/L	0.00043	13.97%
Iron,7439-89-6†	-15.0	-0.0149	mg/L	0.00534	-0.0149	mg/L	0.00534	35.90%
Lead,7439-92-1†	-3.5	-0.0001	mg/L	0.00126	-0.0001	mg/L	0.00126	>999.9%
Lithium,7439-93-2†	-19.7	-0.0003	mg/L	0.00032	-0.0003	mg/L	0.00032	96.43%
Magnesium,7439-95-4†	-1.4	-0.0032	mg/L	0.01711	-0.0032	mg/L	0.01711	532.81%
Manganese,7439-96-5†	-55.0	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	28.54%
Molybdenum,7439-98-7†	12188.8	0.4968	mg/L	0.00204	0.4968	mg/L	0.00204	0.41%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.37%								
Nickel,7440-02-0†	-24.4	-0.0005	mg/L	0.00022	-0.0005	mg/L	0.00022	48.18%
Phosphorus,7439-93-2†	10165.0	4.9483	mg/L	0.02005	4.9483	mg/L	0.02005	0.41%
QC value within limits for Phosphorus,7439-93-2 Recovery = 98.97%								
Potassium,7440-09-7†	-176.5	-0.0635	mg/L	0.02858	-0.0635	mg/L	0.02858	45.02%
Selenium,7782-49-2†	12.9	0.0059	mg/L	0.00387	0.0059	mg/L	0.00387	65.16%
Silicon,7440-21-3†	61270.8	4.9243	mg/L	0.04357	4.9243	mg/L	0.04357	0.88%
QC value within limits for Silicon,7440-21-3 Recovery = 98.49%								
Silver,7440-22-4†	1637.9	0.0054	mg/L	0.00021	0.0054	mg/L	0.00021	3.91%
Sodium,7440-23-5†	-781.2	-0.0970	mg/L	0.01089	-0.0970	mg/L	0.01089	11.22%
Strontium,7440-24-6†	-28.9	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	108.55%
Thallium,7440-28-0†	-3.2	-0.0018	mg/L	0.00197	-0.0018	mg/L	0.00197	107.13%
Tin,7440-31-5†	3268.0	0.4931	mg/L	0.00366	0.4931	mg/L	0.00366	0.74%
QC value within limits for Tin,7440-31-5 Recovery = 98.62%								
Titanium,7440-32-6†	306055.7	0.4988	mg/L	0.00808	0.4988	mg/L	0.00808	1.62%
QC value within limits for Titanium,7440-32-6 Recovery = 99.75%								
Vanadium,7440-62-2†	-252.9	-0.0010	mg/L	0.00036	-0.0010	mg/L	0.00036	34.37%
Zinc,7440-66-6†	192.0	0.0029	mg/L	0.00009	0.0029	mg/L	0.00009	3.03%
Zirconium,7440-67-7†	242287.9	0.4865	mg/L	0.00518	0.4865	mg/L	0.00518	1.06%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.31%								

All analytes passed QC.

Sequence No.: 12
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 06/21/2002 10:41:24
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

HR

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7789028.2	104.00	%	0.488				0.47%
Scandium-IS	4651356.2	98.812	%	0.7318				0.74%
Yttrium,7440-65-5A	2189089.5	100.81	%	0.330				0.33%
Yttrium,7440-65-5R	125506.5	98.924	%	1.2471				1.26%
Aluminum,7429-90-5†	-22.3	-0.0330	mg/L	0.01104	-0.0330	mg/L	0.01104	33.44%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	4.9	0.0016	mg/L	0.00038	0.0016	mg/L	0.00038	24.40%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.4	-0.0002	mg/L	0.00154	-0.0002	mg/L	0.00154	715.27%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	20.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	90.55%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	613.9	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	53.21%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								

Boron,7440-42-8†	523.8	0.0110 mg/L	0.00215	0.0110 mg/L	0.00215	19.42%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated						
Cadmium,7440-43-9†	42.3	0.0003 mg/L	0.00011	0.0003 mg/L	0.00011	43.63%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated						
Calcium,7440-70-2†	-37.0	-0.0105 mg/L	0.00445	-0.0105 mg/L	0.00445	42.34%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated						
Cerium,7440-45-1†	95.9	0.0009 mg/L	0.00009	0.0009 mg/L	0.00009	9.23%
QC value within limits for Cerium,7440-45-1 Recovery = Not calculated						
Chromium,7440-47-3†	105.6	0.0008 mg/L	0.00012	0.0008 mg/L	0.00012	14.72%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4†	5.6	0.0001 mg/L	0.00021	0.0001 mg/L	0.00021	237.44%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	789.6	0.0021 mg/L	0.00045	0.0021 mg/L	0.00045	21.26%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	-22.5	-0.0224 mg/L	0.00923	-0.0224 mg/L	0.00923	41.21%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	6.7	0.0004 mg/L	0.00130	0.0004 mg/L	0.00130	320.66%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	30.7	0.0005 mg/L	0.00115	0.0005 mg/L	0.00115	221.28%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	-2.6	-0.0085 mg/L	0.02401	-0.0085 mg/L	0.02401	282.31%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	-111.0	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	18.84%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	49.2	0.0020 mg/L	0.00020	0.0020 mg/L	0.00020	10.06%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	-5.0	-0.0001 mg/L	0.00033	-0.0001 mg/L	0.00033	379.10%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Phosphorus,7439-93-2†	-5.3	-0.0019 mg/L	0.00638	-0.0019 mg/L	0.00638	329.97%
QC value within limits for Phosphorus,7439-93-2 Recovery = Not calculated						
Potassium,7440-09-7†	141.7	0.0511 mg/L	0.07166	0.0511 mg/L	0.07166	140.35%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	3.8	0.0017 mg/L	0.00398	0.0017 mg/L	0.00398	233.78%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	1.3	0.0001 mg/L	0.00041	0.0001 mg/L	0.00041	397.79%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	-0.2	0.0000 mg/L	0.00033	0.0000 mg/L	0.00033	>999.9%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	4369.5	0.5439 mg/L	0.11318	0.5439 mg/L	0.11318	20.81%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	-21.6	-0.0001 mg/L	0.00022	-0.0001 mg/L	0.00022	394.43%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	5.4	0.0031 mg/L	0.00145	0.0031 mg/L	0.00145	46.81%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-3.7	-0.0005 mg/L	0.00104	-0.0005 mg/L	0.00104	188.75%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	53.5	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	92.61%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-165.5	-0.0007 mg/L	0.00055	-0.0007 mg/L	0.00055	79.04%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	215.8	0.0022 mg/L	0.00050	0.0022 mg/L	0.00050	23.29%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	54.8	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	23.11%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analytes passed QC.

==========

Analysis Begun

Start Time: 06/21/2002 10:51:28
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 06/21/2002 07:59:35
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\1468.sif
Results Data Set: 2020621 A
Results Library: c:\win32\Results\Results.mdb

==========

Sequence No.: 12
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:

Autosampler Location: 1
Date Collected: 06/21/2002 10:51:28
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:

Dilution: Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7987682.0	106.65	%	1.127				1.06%
Scandium-IS	4616590.4	98.073	%	0.8174				0.83%
Yttrium,7440-65-5A	2151505.4	99.084	%	0.2213				0.22%
Yttrium,7440-65-5R	120550.0	95.017	%	1.3158				1.38%
Aluminum,7429-90-5†	-84.2	-0.1249	mg/L	0.01747	-0.1249	mg/L	0.01747	13.98%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-6.8	-0.0023	mg/L	0.00143	-0.0023	mg/L	0.00143	63.01%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-2.8	-0.0013	mg/L	0.00185	-0.0013	mg/L	0.00185	137.09%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	103.0	0.0006	mg/L	0.00105	0.0006	mg/L	0.00105	173.94%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	35.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	305.82%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	9004.0	0.1900	mg/L	0.02834	0.1900	mg/L	0.02834	14.91%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-30.9	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	57.66%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-92.6	-0.0263	mg/L	0.00220	-0.0263	mg/L	0.00220	8.35%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Cerium,7440-45-1†	679.6	0.0067	mg/L	0.00086	0.0067	mg/L	0.00086	12.86%
QC value within limits for Cerium,7440-45-1 Recovery = Not calculated								
Chromium,7440-47-3†	177.7	0.0014	mg/L	0.00040	0.0014	mg/L	0.00040	29.25%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-4.5	-0.0001	mg/L	0.00022	-0.0001	mg/L	0.00022	303.98%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	919.4	0.0024	mg/L	0.00018	0.0024	mg/L	0.00018	7.53%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-65.6	-0.0654	mg/L	0.01027	-0.0654	mg/L	0.01027	15.71%
QC value less than the lower limit for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-15.7	-0.0010	mg/L	0.00086	-0.0010	mg/L	0.00086	86.90%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	251.6	0.0043	mg/L	0.00076	0.0043	mg/L	0.00076	17.77%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	7.7	0.0251	mg/L	0.01733	0.0251	mg/L	0.01733	69.14%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-49.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	24.95%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	9.4	0.0004	mg/L	0.00031	0.0004	mg/L	0.00031	80.25%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	3.9	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	186.59%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Phosphorus,7439-93-2†	-13.6	-0.0059	mg/L	0.00669	-0.0059	mg/L	0.00669	113.91%
QC value within limits for Phosphorus,7439-93-2 Recovery = Not calculated								
Potassium,7440-09-7†	-403.1	-0.1453	mg/L	0.03849	-0.1453	mg/L	0.03849	26.49%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-17.4	-0.0080	mg/L	0.00374	-0.0080	mg/L	0.00374	46.83%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	70.6	0.0057	mg/L	0.00761	0.0057	mg/L	0.00761	133.74%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-648.7	-0.0021	mg/L	0.00066	-0.0021	mg/L	0.00066	31.22%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-442.4	-0.0551	mg/L	0.01221	-0.0551	mg/L	0.01221	22.19%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-39.7	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	45.50%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	2.9	0.0017	mg/L	0.00175	0.0017	mg/L	0.00175	105.20%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	31.4	0.0047	mg/L	0.00038	0.0047	mg/L	0.00038	8.16%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	78.7	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	100.43%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	55.0	0.0002	mg/L	0.00042	0.0002	mg/L	0.00042	177.38%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	47.6	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	8.18%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	35.7	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	135.38%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Retry.

Sequence No.: 13
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 06/21/2002 10:56:36

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Analysis Begun

Start Time: 06/21/2002 11:02:07
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 06/21/2002 07:59:35
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\1468.sif
Results Data Set: 2020621 A
Results Library: c:\win32\Results\Results.mdb

Sequence No.: 13
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 06/21/2002 11:02:07

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7519906.0	100.40	%	0.279				0.28%
Scandium-IS	4554179.4	96.747	%	1.7921				1.85%
Yttrium,7440-65-5A	2128221.7	98.011	%	1.0173				1.04%
Yttrium,7440-65-5R	122983.8	96.935	%	4.9215				5.08%
Aluminum,7429-90-5†	-36.8	-0.0547	mg/L	0.03756	-0.0547	mg/L	0.03756	68.72%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	0.5	0.0002	mg/L	0.00072	0.0002	mg/L	0.00072	475.69%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-0.4	-0.0002	mg/L	0.00224	-0.0002	mg/L	0.00224	931.18%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-12.8	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	113.11%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	365.0	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	55.11%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1966.4	0.0415	mg/L	0.00247	0.0415	mg/L	0.00247	5.94%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-33.5	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	53.08%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-37.0	-0.0105	mg/L	0.00838	-0.0105	mg/L	0.00838	79.59%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Cerium,7440-45-1†	116.9	0.0011	mg/L	0.00137	0.0011	mg/L	0.00137	119.66%
QC value within limits for Cerium,7440-45-1 Recovery = Not calculated								
Chromium,7440-47-3†	58.0	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	14.02%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-1.1	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	721.10%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	964.7	0.0026	mg/L	0.00045	0.0026	mg/L	0.00045	17.57%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-14.5	-0.0144	mg/L	0.01455	-0.0144	mg/L	0.01455	100.93%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	11.8	0.0007	mg/L	0.00129	0.0007	mg/L	0.00129	180.55%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	474.7	0.0081	mg/L	0.00115	0.0081	mg/L	0.00115	14.31%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-1.5	-0.0050	mg/L	0.01171	-0.0050	mg/L	0.01171	234.09%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	1414.8	0.0013	mg/L	0.00001	0.0013	mg/L	0.00001	0.71%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	7.2	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	59.23%

QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0† 17.1 0.0003 mg/L 0.00014 0.0003 mg/L 0.00014 46.36%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Phosphorus,7439-93-2† -12.7 -0.0054 mg/L 0.00382 -0.0054 mg/L 0.00382 70.59%
QC value within limits for Phosphorus,7439-93-2 Recovery = Not calculated
Potassium,7440-09-7† -119.3 -0.0430 mg/L 0.02189 -0.0430 mg/L 0.02189 50.91%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2† -3.0 -0.0014 mg/L 0.00161 -0.0014 mg/L 0.00161 116.52%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3† -43.2 -0.0035 mg/L 0.00134 -0.0035 mg/L 0.00134 38.67%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4† 272.5 0.0009 mg/L 0.00074 0.0009 mg/L 0.00074 83.19%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5† -176.2 -0.0219 mg/L 0.02597 -0.0219 mg/L 0.02597 118.45%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6† -7.6 0.0000 mg/L 0.00017 0.0000 mg/L 0.00017 845.75%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0† -0.1 -0.0001 mg/L 0.00231 -0.0001 mg/L 0.00231 >999.9%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5† 34.2 0.0051 mg/L 0.00055 0.0051 mg/L 0.00055 10.81%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6† -3.4 0.0000 mg/L 0.00019 0.0000 mg/L 0.00019 >999.9%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -274.7 -0.0012 mg/L 0.00049 -0.0012 mg/L 0.00049 42.15%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† 93.0 0.0009 mg/L 0.00023 0.0009 mg/L 0.00023 24.41%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† 157.3 0.0003 mg/L 0.00005 0.0003 mg/L 0.00005 16.03%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analytes passed QC.

Sequence No.: 14
Sample ID: 46445
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 17
Date Collected: 06/21/2002 11:09:20

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 46445

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7522136.7	100.43	%	0.039				0.04%
Scandium-IS	4565095.2	96.979	%	0.5455				0.56%
Yttrium,7440-65-5A	2120214.6	97.643	%	0.6844				0.70%
Yttrium,7440-65-5R	120268.0	94.795	%	1.8305				1.93%
Aluminum,7429-90-5†	-37.1	-0.0550	mg/L	0.02276	-2.2001	mg/kg	0.91053	41.39%
Antimony,7440-36-0†	3.2	0.0010	mg/L	0.00061	0.0407	mg/kg	0.02455	60.29%
Arsenic,7440-38-2†	-14.7	-0.0070	mg/L	0.00085	-0.2800	mg/kg	0.03387	12.10%
Barium,7440-39-3†	-70.8	-0.0004	mg/L	0.00003	-0.0165	mg/kg	0.00102	6.19%
Beryllium,7440-41-7†	808.4	0.0002	mg/L	0.00003	0.0080	mg/kg	0.00131	16.41%
Boron,7440-42-8†	1365.9	0.0288	mg/L	0.00090	1.1529	mg/kg	0.03608	3.13%
Cadmium,7440-43-9†	-43.2	-0.0003	mg/L	0.00004	-0.0102	mg/kg	0.00155	15.24%
Calcium,7440-70-2†	292.7	0.0833	mg/L	0.00328	3.3314	mg/kg	0.13140	3.94%
Cerium,7440-45-1†	468.7	0.0046	mg/L	0.00074	0.1835	mg/kg	0.02974	16.20%
Chromium,7440-47-3†	72.0	0.0006	mg/L	0.00012	0.0222	mg/kg	0.00466	20.95%
Cobalt,7440-48-4†	3.5	0.0001	mg/L	0.00022	0.0022	mg/kg	0.00884	403.07%
Copper,7440-50-8†	979.4	0.0026	mg/L	0.00041	0.1043	mg/kg	0.01627	15.60%
Iron,7439-89-6†	-22.2	-0.0221	mg/L	0.00836	-0.8846	mg/kg	0.33434	37.79%
Lead,7439-92-1†	0.4	0.0000	mg/L	0.00086	0.0005	mg/kg	0.03429	>999.9%
Lithium,7439-93-2†	158.2	0.0027	mg/L	0.00152	0.1076	mg/kg	0.06071	56.45%
Magnesium,7439-95-4†	1.7	0.0054	mg/L	0.01128	0.2173	mg/kg	0.45111	207.63%
Manganese,7439-96-5†	1284.7	0.0012	mg/L	0.00001	0.0475	mg/kg	0.00028	0.58%
Molybdenum,7439-98-7†	4.5	0.0002	mg/L	0.00018	0.0073	mg/kg	0.00734	100.01%
Nickel,7440-02-0†	77.5	0.0013	mg/L	0.00028	0.0536	mg/kg	0.01114	20.79%
Phosphorus,7439-93-2†	-8.5	-0.0034	mg/L	0.00396	-0.1345	mg/kg	0.15845	117.84%
Potassium,7440-09-7†	-253.1	-0.0912	mg/L	0.01203	-3.6494	mg/kg	0.48110	13.18%
Selenium,7782-49-2†	-5.5	-0.0025	mg/L	0.00145	-0.1011	mg/kg	0.05819	57.58%
Silicon,7440-21-3†	35.1	0.0028	mg/L	0.00068	0.1127	mg/kg	0.02706	24.00%
Silver,7440-22-4†	-324.8	-0.0011	mg/L	0.00029	-0.0425	mg/kg	0.01174	27.66%
Sodium,7440-23-5†	-1560.5	-0.1942	mg/L	0.01630	-7.7690	mg/kg	0.65213	8.39%
Strontium,7440-24-6†	10.4	0.0000	mg/L	0.00006	0.0011	mg/kg	0.00258	235.26%

Thallium,7440-28-0†	-1.2	-0.0007 mg/L	0.00117	-0.0267 mg/kg	0.04660	174.68%
Tin,7440-31-5†	118.7	0.0178 mg/L	0.00060	0.7116 mg/kg	0.02408	3.38%
Titanium,7440-32-6†	515.9	0.0008 mg/L	0.00021	0.0336 mg/kg	0.00828	24.61%
Vanadium,7440-62-2†	-411.1	-0.0017 mg/L	0.00024	-0.0697 mg/kg	0.00953	13.66%
Zinc,7440-66-6†	241.2	0.0024 mg/L	0.00006	0.0961 mg/kg	0.00248	2.58%
Zirconium,7440-67-7†	749.7	0.0015 mg/L	0.00018	0.0602 mg/kg	0.00734	12.18%

Sequence No.: 15
Sample ID: 46446
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 18
Date Collected: 06/21/2002 11:16:36

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 46446

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7503713.3	100.19	%	0.273				0.27%
Scandium-IS	4506348.5	95.731	%	0.6282				0.66%
Yttrium,7440-65-5A	2086169.4	96.075	%	0.5644				0.59%
Yttrium,7440-65-5R	117193.7	92.371	%	1.0919				1.18%
Aluminum,7429-90-5†	6654.4	9.8485	mg/L	0.22661	393.94	mg/kg	9.065	2.30%
Antimony,7440-36-0†	2864.0	0.9195	mg/L	0.00767	36.778	mg/kg	0.3066	0.83%
Arsenic,7440-38-2†	2032.8	0.9945	mg/L	0.00549	39.781	mg/kg	0.2196	0.55%
Barium,7440-39-3†	169568.4	0.9926	mg/L	0.00427	39.705	mg/kg	0.1709	0.43%
Beryllium,7440-41-7†	3964911.8	0.9806	mg/L	0.00907	39.223	mg/kg	0.3627	0.92%
Boron,7440-42-8†	217091.2	4.5845	mg/L	0.03358	183.38	mg/kg	1.343	0.73%
Cadmium,7440-43-9†	161996.5	0.9573	mg/L	0.00393	38.292	mg/kg	0.1574	0.41%
Calcium,7440-70-2†	35278.7	10.035	mg/L	0.2514	401.41	mg/kg	10.056	2.51%
Cerium,7440-45-1†	-29.7	0.0004	mg/L	0.00130	0.0162	mg/kg	0.05190	321.00%
Chromium,7440-47-3†	129287.0	0.9981	mg/L	0.00338	39.925	mg/kg	0.1353	0.34%
Cobalt,7440-48-4†	61226.8	0.9917	mg/L	0.00420	39.667	mg/kg	0.1679	0.42%
Copper,7440-50-8†	387424.1	1.0323	mg/L	0.00393	41.291	mg/kg	0.1573	0.38%
Iron,7439-89-6†	10121.4	10.087	mg/L	0.2591	403.49	mg/kg	10.365	2.57%
Lead,7439-92-1†	15670.1	0.9668	mg/L	0.00897	38.670	mg/kg	0.3590	0.93%
Lithium,7439-93-2†	59227.3	1.0067	mg/L	0.00213	40.267	mg/kg	0.0851	0.21%
Magnesium,7439-95-4†	3103.1	10.117	mg/L	0.2225	404.68	mg/kg	8.899	2.20%
Manganese,7439-96-5†	1081524.3	1.0024	mg/L	0.00355	40.096	mg/kg	0.1418	0.35%
Molybdenum,7439-98-7†	24031.4	0.9796	mg/L	0.00734	39.183	mg/kg	0.2936	0.75%
Nickel,7440-02-0†	57459.6	0.9936	mg/L	0.00372	39.744	mg/kg	0.1488	0.37%
Phosphorus,7439-93-2†	-93.6	0.2781	mg/L	0.00198	11.122	mg/kg	0.0791	0.71%
Potassium,7440-09-7†	54132.9	19.520	mg/L	0.0660	780.80	mg/kg	2.640	0.34%
Selenium,7782-49-2†	2042.2	0.9341	mg/L	0.00822	37.362	mg/kg	0.3287	0.88%
Silicon,7440-21-3†	631.6	0.0323	mg/L	0.00167	1.2922	mg/kg	0.06663	5.16%
Silver,7440-22-4†	297962.6	0.9740	mg/L	0.00491	38.959	mg/kg	0.1966	0.50%
Sodium,7440-23-5†	311533.4	38.778	mg/L	0.0199	1551.1	mg/kg	0.80	0.05%
Strontium,7440-24-6†	370195.2	0.9728	mg/L	0.00251	38.910	mg/kg	0.1003	0.26%
Thallium,7440-28-0†	1649.2	0.9530	mg/L	0.01105	38.121	mg/kg	0.4418	1.16%
Tin,7440-31-5†	6174.8	0.9318	mg/L	0.00907	37.274	mg/kg	0.3627	0.97%
Titanium,7440-32-6†	601590.4	0.9803	mg/L	0.00398	39.212	mg/kg	0.1592	0.41%
Vanadium,7440-62-2†	234870.7	0.9963	mg/L	0.00464	39.851	mg/kg	0.1857	0.47%
Zinc,7440-66-6†	93364.6	0.9261	mg/L	0.00290	37.045	mg/kg	0.1159	0.31%
Zirconium,7440-67-7†	488951.6	0.9819	mg/L	0.00441	39.274	mg/kg	0.1763	0.45%

Sequence No.: 16
Sample ID: 20206200201
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 19
Date Collected: 06/21/2002 11:23:09

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 20206200201

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7455519.4	99.545	%	0.1044				0.10%
Scandium-IS	4619849.6	98.142	%	0.1661				0.17%
Yttrium,7440-65-5A	2166819.1	99.789	%	0.8600				0.86%
Yttrium,7440-65-5R	119431.7	94.135	%	0.5239				0.56%
Aluminum,7429-90-5†	11875.3	17.619	mg/L	0.1173	704.76	mg/kg	4.693	0.67%

Antimony,7440-36-0†	2.2	0.0005 mg/L	0.00270	0.0195 mg/kg	0.10794	552.18%
Arsenic,7440-38-2†	-1.1	0.0058 mg/L	0.00391	0.2321 mg/kg	0.15628	67.32%
Barium,7440-39-3†	12261.1	0.0715 mg/L	0.00072	2.8603 mg/kg	0.02885	1.01%
Beryllium,7440-41-7†	8143.8	0.0017 mg/L	0.00004	0.0694 mg/kg	0.00142	2.04%
Boron,7440-42-8†	2415.4	0.0554 mg/L	0.00407	2.2157 mg/kg	0.16294	7.35%
Cadmium,7440-43-9†	216.0	0.0003 mg/L	0.00008	0.0135 mg/kg	0.00308	22.86%
Calcium,7440-70-2†	14430.4	4.1031 mg/L	0.00467	164.12 mg/kg	0.187	0.11%
Cerium,7440-45-1†	15605.7	0.1528 mg/L	0.00201	6.1127 mg/kg	0.08055	1.32%
Chromium,7440-47-3†	2666.3	0.0210 mg/L	0.00029	0.8402 mg/kg	0.01173	1.40%
Cobalt,7440-48-4†	558.7	0.0084 mg/L	0.00019	0.3344 mg/kg	0.00746	2.23%
Copper,7440-50-8†	2548.1	0.0092 mg/L	0.00023	0.3693 mg/kg	0.00914	2.48%
Iron,7439-89-6†	17780.1	17.720 mg/L	0.0857	708.79 mg/kg	3.429	0.48%
Lead,7439-92-1†	489.5	0.0327 mg/L	0.00111	1.3073 mg/kg	0.04449	3.40%
Lithium,7439-93-2†	421.3	0.0073 mg/L	0.00073	0.2940 mg/kg	0.02909	9.90%
Magnesium,7439-95-4†	243.2	0.8054 mg/L	0.02389	32.215 mg/kg	0.9556	2.97%
Manganese,7439-96-5†	67139.8	0.0631 mg/L	0.00059	2.5257 mg/kg	0.02362	0.94%
Molybdenum,7439-98-7†	245.4	0.0101 mg/L	0.00035	0.4041 mg/kg	0.01389	3.44%
Nickel,7440-02-0†	1031.0	0.0180 mg/L	0.00017	0.7192 mg/kg	0.00683	0.95%
Phosphorus,7439-93-2†	1112.1	0.5405 mg/L	0.00950	21.619 mg/kg	0.3800	1.76%
Potassium,7440-09-7†	3451.7	1.2474 mg/L	0.02748	49.898 mg/kg	1.0992	2.20%
Selenium,7782-49-2†	-18.9	0.0025 mg/L	0.00342	0.0994 mg/kg	0.13672	137.49%
Silicon,7440-21-3†	24275.0	1.9482 mg/L	0.02222	77.928 mg/kg	0.8890	1.14%
Silver,7440-22-4†	-110.1	-0.0004 mg/L	0.00081	-0.0144 mg/kg	0.03247	225.49%
Sodium,7440-23-5†	-912.6	-0.1139 mg/L	0.01475	-4.5542 mg/kg	0.58990	12.95%
Strontium,7440-24-6†	34772.1	0.0914 mg/L	0.00013	3.6548 mg/kg	0.00527	0.14%
Thallium,7440-28-0†	-2.8	-0.0016 mg/L	0.00037	-0.0637 mg/kg	0.01464	23.01%
Tin,7440-31-5†	122.3	0.0206 mg/L	0.00073	0.8233 mg/kg	0.02909	3.53%
Titanium,7440-32-6†	201064.9	0.3277 mg/L	0.00088	13.107 mg/kg	0.0353	0.27%
Vanadium,7440-62-2†	6668.4	0.0271 mg/L	0.00061	1.0836 mg/kg	0.02451	2.26%
Zinc,7440-66-6†	4706.3	0.0451 mg/L	0.00010	1.8051 mg/kg	0.00382	0.21%
Zirconium,7440-67-7†	7698.1	0.0153 mg/L	0.00088	0.6102 mg/kg	0.03531	5.79%

Sequence No.: 17
Sample ID: 46447
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 20
Date Collected: 06/21/2002 11:30:27

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 46447

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7475009.7	99.805	%	0.2322				0.23%
Scandium-IS	4618479.4	98.113	%	0.1446				0.15%
Yttrium,7440-65-5A	2173432.2	100.09	%	0.925				0.92%
Yttrium,7440-65-5R	119936.4	94.533	%	1.2823				1.36%
Aluminum,7429-90-5†	12251.4	18.177	mg/L	0.1396	727.07	mg/kg	5.583	0.77%
Antimony,7440-36-0†	-3.6	-0.0014	mg/L	0.00140	-0.0558	mg/kg	0.05583	100.08%
Arsenic,7440-38-2†	2.3	0.0077	mg/L	0.00231	0.3079	mg/kg	0.09249	30.04%
Barium,7440-39-3†	12327.8	0.0719	mg/L	0.00100	2.8746	mg/kg	0.04014	1.40%
Beryllium,7440-41-7†	8553.1	0.0018	mg/L	0.00003	0.0729	mg/kg	0.00138	1.89%
Boron,7440-42-8†	1366.5	0.0338	mg/L	0.00069	1.3505	mg/kg	0.02776	2.06%
Cadmium,7440-43-9†	225.3	0.0003	mg/L	0.00008	0.0124	mg/kg	0.00308	24.96%
Calcium,7440-70-2†	15192.7	4.3197	mg/L	0.08605	172.79	mg/kg	3.442	1.99%
Cerium,7440-45-1†	15338.1	0.1502	mg/L	0.00404	6.0080	mg/kg	0.16141	2.69%
Chromium,7440-47-3†	2707.8	0.0214	mg/L	0.00018	0.8551	mg/kg	0.00731	0.86%
Cobalt,7440-48-4†	601.9	0.0090	mg/L	0.00021	0.3612	mg/kg	0.00822	2.28%
Copper,7440-50-8†	2655.8	0.0098	mg/L	0.00018	0.3919	mg/kg	0.00726	1.85%
Iron,7439-89-6†	19710.0	19.643	mg/L	0.4402	785.73	mg/kg	17.607	2.24%
Lead,7439-92-1†	524.3	0.0348	mg/L	0.00116	1.3927	mg/kg	0.04659	3.35%
Lithium,7439-93-2†	372.9	0.0065	mg/L	0.00028	0.2614	mg/kg	0.01137	4.35%
Magnesium,7439-95-4†	269.2	0.8917	mg/L	0.01247	35.669	mg/kg	0.4989	1.40%
Manganese,7439-96-5†	72661.3	0.0683	mg/L	0.00090	2.7339	mg/kg	0.03612	1.32%
Molybdenum,7439-98-7†	250.4	0.0103	mg/L	0.00036	0.4128	mg/kg	0.01438	3.48%
Nickel,7440-02-0†	1108.5	0.0193	mg/L	0.00040	0.7737	mg/kg	0.01583	2.05%
Phosphorus,7439-93-2†	1121.1	0.5437	mg/L	0.00182	21.748	mg/kg	0.0729	0.34%
Potassium,7440-09-7†	4050.5	1.4636	mg/L	0.00066	58.545	mg/kg	0.0262	0.04%
Selenium,7782-49-2†	-30.9	-0.0022	mg/L	0.00185	-0.0881	mg/kg	0.07398	83.93%
Silicon,7440-21-3†	34722.6	2.7894	mg/L	0.03927	111.58	mg/kg	1.571	1.41%
Silver,7440-22-4†	-243.6	-0.0008	mg/L	0.00043	-0.0318	mg/kg	0.01738	54.57%
Sodium,7440-23-5†	-1356.0	-0.1689	mg/L	0.00870	-6.7570	mg/kg	0.34799	5.15%

Strontium,7440-24-6†	32332.7	0.0850	mg/L	0.00190	3.3984	mg/kg	0.07603	2.24%
Thallium,7440-28-0†	-3.5	-0.0020	mg/L	0.00082	-0.0802	mg/kg	0.03288	41.03%
Tin,7440-31-5†	116.3	0.0198	mg/L	0.00069	0.7913	mg/kg	0.02771	3.50%
Titanium,7440-32-6†	211274.4	0.3443	mg/L	0.00181	13.772	mg/kg	0.0722	0.52%
Vanadium,7440-62-2†	7184.1	0.0292	mg/L	0.00069	1.1661	mg/kg	0.02753	2.36%
Zinc,7440-66-6†	6157.6	0.0594	mg/L	0.00043	2.3778	mg/kg	0.01731	0.73%
Zirconium,7440-67-7†	7520.1	0.0149	mg/L	0.00029	0.5951	mg/kg	0.01162	1.95%

Sequence No.: 18
Sample ID: 46448
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 06/21/2002 11:37:45
Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 46448

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7435207.2	99.274	%	0.3053				0.31%
Scandium-IS	4515433.9	95.924	%	0.3414				0.36%
Yttrium,7440-65-5A	2107188.8	97.043	%	1.0806				1.11%
Yttrium,7440-65-5R	120205.4	94.745	%	0.2698				0.28%
Aluminum,7429-90-5†	40334.3	59.822	mg/L	0.5933	2392.9	mg/kg	23.73	0.99%
Antimony,7440-36-0†	1566.2	0.4935	mg/L	0.00556	19.739	mg/kg	0.2223	1.13%
Arsenic,7440-38-2†	1967.9	0.9786	mg/L	0.00638	39.145	mg/kg	0.2554	0.65%
Barium,7440-39-3†	183512.8	1.0739	mg/L	0.00222	42.956	mg/kg	0.0888	0.21%
Beryllium,7440-41-7†	3985138.2	0.9854	mg/L	0.00893	39.416	mg/kg	0.3573	0.91%
Boron,7440-42-8†	215413.5	4.5537	mg/L	0.03216	182.15	mg/kg	1.287	0.71%
Cadmium,7440-43-9†	159762.5	0.9426	mg/L	0.00425	37.704	mg/kg	0.1700	0.45%
Calcium,7440-70-2†	48509.2	13.794	mg/L	0.1688	551.77	mg/kg	6.753	1.22%
Cerium,7440-45-1†	14843.5	0.1462	mg/L	0.00078	5.8484	mg/kg	0.03119	0.53%
Chromium,7440-47-3†	132164.0	1.0207	mg/L	0.00180	40.829	mg/kg	0.0720	0.18%
Cobalt,7440-48-4†	61037.8	0.9881	mg/L	0.00183	39.525	mg/kg	0.0734	0.19%
Copper,7440-50-8†	381920.6	1.0204	mg/L	0.00326	40.816	mg/kg	0.1302	0.32%
Iron,7439-89-6†	30815.9	30.710	mg/L	0.4297	1228.4	mg/kg	17.19	1.40%
Lead,7439-92-1†	15853.3	0.9871	mg/L	0.00622	39.483	mg/kg	0.2488	0.63%
Lithium,7439-93-2†	59581.0	1.0131	mg/L	0.00286	40.525	mg/kg	0.1143	0.28%
Magnesium,7439-95-4†	3636.2	11.868	mg/L	0.1385	474.73	mg/kg	5.540	1.17%
Manganese,7439-96-5†	1143750.0	1.0615	mg/L	0.00200	42.458	mg/kg	0.0802	0.19%
Molybdenum,7439-98-7†	23047.9	0.9396	mg/L	0.00840	37.585	mg/kg	0.3358	0.89%
Nickel,7440-02-0†	57564.3	0.9955	mg/L	0.00102	39.820	mg/kg	0.0408	0.10%
Phosphorus,7439-93-2†	1245.3	0.9428	mg/L	0.00122	37.711	mg/kg	0.0487	0.13%
Potassium,7440-09-7†	57723.2	20.818	mg/L	0.0508	832.71	mg/kg	2.030	0.24%
Selenium,7782-49-2†	1949.3	0.9143	mg/L	0.00583	36.572	mg/kg	0.2331	0.64%
Silicon,7440-21-3†	71238.0	5.7115	mg/L	0.01414	228.46	mg/kg	0.566	0.25%
Silver,7440-22-4†	295610.9	0.9663	mg/L	0.00112	38.651	mg/kg	0.0448	0.12%
Sodium,7440-23-5†	310133.9	38.600	mg/L	0.0815	1544.0	mg/kg	3.26	0.21%
Strontium,7440-24-6†	408430.1	1.0732	mg/L	0.00257	42.929	mg/kg	0.1028	0.24%
Thallium,7440-28-0†	1629.7	0.9417	mg/L	0.00538	37.669	mg/kg	0.2150	0.57%
Tin,7440-31-5†	5971.0	0.9036	mg/L	0.00701	36.143	mg/kg	0.2805	0.78%
Titanium,7440-32-6†	745569.5	1.2149	mg/L	0.00185	48.597	mg/kg	0.0742	0.15%
Vanadium,7440-62-2†	243028.2	1.0294	mg/L	0.00180	41.175	mg/kg	0.0721	0.18%
Zinc,7440-66-6†	97262.2	0.9620	mg/L	0.00304	38.482	mg/kg	0.1215	0.32%
Zirconium,7440-67-7†	484911.2	0.9735	mg/L	0.00272	38.941	mg/kg	0.1087	0.28%

Sequence No.: 19
Sample ID: 46449
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 22
Date Collected: 06/21/2002 11:44:19
Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 46449

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7404312.3	98.861	%	0.1276				0.13%
Scandium-IS	4505177.7	95.706	%	0.3387				0.35%
Yttrium,7440-65-5A	2076305.6	95.620	%	0.3815				0.40%
Yttrium,7440-65-5R	120426.1	94.919	%	0.7689				0.81%

Aluminum,7429-90-5†	36303.3	53.841 mg/L	0.1300	2153.6 mg/kg	5.20	0.24%
Antimony,7440-36-0†	1727.9	0.5471 mg/L	0.00597	21.884 mg/kg	0.2388	1.09%
Arsenic,7440-38-2†	1958.9	0.9721 mg/L	0.00889	38.885 mg/kg	0.3558	0.91%
Barium,7440-39-3†	178913.6	1.0470 mg/L	0.00023	41.880 mg/kg	0.0091	0.02%
Beryllium,7440-41-7†	3942968.1	0.9750 mg/L	0.00717	38.998 mg/kg	0.2869	0.74%
Boron,7440-42-8†	214569.7	4.5358 mg/L	0.00807	181.43 mg/kg	0.323	0.18%
Cadmium,7440-43-9†	156408.7	0.9229 mg/L	0.00112	36.916 mg/kg	0.0448	0.12%
Calcium,7440-70-2†	47368.0	13.470 mg/L	0.0171	538.80 mg/kg	0.685	0.13%
Cerium,7440-45-1†	14865.8	0.1464 mg/L	0.00060	5.8555 mg/kg	0.02413	0.41%
Chromium,7440-47-3†	128549.5	0.9928 mg/L	0.00120	39.713 mg/kg	0.0480	0.12%
Cobalt,7440-48-4†	59711.2	0.9666 mg/L	0.00053	38.665 mg/kg	0.0210	0.05%
Copper,7440-50-8†	376940.7	1.0071 mg/L	0.00053	40.282 mg/kg	0.0214	0.05%
Iron,7439-89-6†	29899.1	29.797 mg/L	0.0334	1191.9 mg/kg	1.33	0.11%
Lead,7439-92-1†	15654.9	0.9737 mg/L	0.00989	38.947 mg/kg	0.3955	1.02%
Lithium,7439-93-2†	58811.7	1.0000 mg/L	0.00298	40.000 mg/kg	0.1191	0.30%
Magnesium,7439-95-4†	3510.6	11.459 mg/L	0.0169	458.34 mg/kg	0.676	0.15%
Manganese,7439-96-5†	1118778.2	1.0382 mg/L	0.00073	41.529 mg/kg	0.0291	0.07%
Molybdenum,7439-98-7†	22849.3	0.9315 mg/L	0.00886	37.261 mg/kg	0.3545	0.95%
Nickel,7440-02-0†	56320.6	0.9740 mg/L	0.00087	38.961 mg/kg	0.0348	0.09%
Phosphorus,7439-93-2†	1316.5	0.9697 mg/L	0.00874	38.787 mg/kg	0.3498	0.90%
Potassium,7440-09-7†	56720.6	20.456 mg/L	0.0760	818.24 mg/kg	3.040	0.37%
Selenium,7782-49-2†	1933.5	0.9049 mg/L	0.01326	36.196 mg/kg	0.5302	1.46%
Silicon,7440-21-3†	69431.5	5.5667 mg/L	0.00129	222.67 mg/kg	0.052	0.02%
Silver,7440-22-4†	291453.7	0.9527 mg/L	0.00045	38.107 mg/kg	0.0181	0.05%
Sodium,7440-23-5†	303109.5	37.726 mg/L	0.0389	1509.1 mg/kg	1.55	0.10%
Strontium,7440-24-6†	397391.4	1.0442 mg/L	0.00044	41.769 mg/kg	0.0174	0.04%
Thallium,7440-28-0†	1605.4	0.9277 mg/L	0.00732	37.107 mg/kg	0.2929	0.79%
Tin,7440-31-5†	5958.5	0.9015 mg/L	0.00720	36.060 mg/kg	0.2881	0.80%
Titanium,7440-32-6†	735728.5	1.1989 mg/L	0.00195	47.956 mg/kg	0.0781	0.16%
Vanadium,7440-62-2†	237570.9	1.0063 mg/L	0.00061	40.252 mg/kg	0.0245	0.06%
Zinc,7440-66-6†	95534.1	0.9451 mg/L	0.00200	37.806 mg/kg	0.0801	0.21%
Zirconium,7440-67-7†	475579.7	0.9548 mg/L	0.00135	38.191 mg/kg	0.0539	0.14%

Sequence No.: 20
Sample ID: 20206200201 A
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 23
Date Collected: 06/21/2002 11:50:55

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 20206200201 A

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7432471.4	99.237	%	0.1190				0.12%
Scandium-IS	4562823.4	96.931	%	0.2065				0.21%
Yttrium,7440-65-5A	2131892.1	98.180	%	0.6182				0.63%
Yttrium,7440-65-5R	121451.8	95.728	%	0.6561				0.69%
Aluminum,7429-90-5†	18595.2	27.565	mg/L	0.1132	1102.6	mg/kg	4.53	0.41%
Antimony,7440-36-0†	2836.6	0.9107	mg/L	0.00663	36.427	mg/kg	0.2651	0.73%
Arsenic,7440-38-2†	2017.6	0.9931	mg/L	0.00824	39.724	mg/kg	0.3298	0.83%
Barium,7440-39-3†	180601.3	1.0570	mg/L	0.00246	42.279	mg/kg	0.0985	0.23%
Beryllium,7440-41-7†	3936655.2	0.9733	mg/L	0.00585	38.932	mg/kg	0.2339	0.60%
Boron,7440-42-8†	221400.5	4.6798	mg/L	0.02346	187.19	mg/kg	0.938	0.50%
Cadmium,7440-43-9†	159364.2	0.9408	mg/L	0.00484	37.633	mg/kg	0.1936	0.51%
Calcium,7440-70-2†	49108.7	13.968	mg/L	0.0830	558.70	mg/kg	3.320	0.59%
Cerium,7440-45-1†	14599.9	0.1437	mg/L	0.00106	5.7462	mg/kg	0.04255	0.74%
Chromium,7440-47-3†	129092.1	0.9970	mg/L	0.00157	39.881	mg/kg	0.0627	0.16%
Cobalt,7440-48-4†	61301.1	0.9921	mg/L	0.00306	39.685	mg/kg	0.1224	0.31%
Copper,7440-50-8†	380020.2	1.0149	mg/L	0.00172	40.595	mg/kg	0.0688	0.17%
Iron,7439-89-6†	27373.3	27.281	mg/L	0.2029	1091.2	mg/kg	8.12	0.74%
Lead,7439-92-1†	15767.8	0.9754	mg/L	0.00654	39.015	mg/kg	0.2616	0.67%
Lithium,7439-93-2†	58545.1	0.9953	mg/L	0.00310	39.811	mg/kg	0.1239	0.31%
Magnesium,7439-95-4†	3347.9	10.928	mg/L	0.0653	437.10	mg/kg	2.613	0.60%
Manganese,7439-96-5†	1138964.2	1.0565	mg/L	0.00207	42.262	mg/kg	0.0826	0.20%
Molybdenum,7439-98-7†	23752.3	0.9683	mg/L	0.00480	38.732	mg/kg	0.1922	0.50%
Nickel,7440-02-0†	57803.9	0.9997	mg/L	0.00229	39.988	mg/kg	0.0915	0.23%
Phosphorus,7439-93-2†	1060.5	0.8313	mg/L	0.00603	33.252	mg/kg	0.2413	0.73%
Potassium,7440-09-7†	56946.0	20.537	mg/L	0.0646	821.48	mg/kg	2.583	0.31%
Selenium,7782-49-2†	1968.0	0.9113	mg/L	0.00634	36.451	mg/kg	0.2537	0.70%
Silicon,7440-21-3†	57973.4	4.6434	mg/L	0.01295	185.74	mg/kg	0.518	0.28%
Silver,7440-22-4†	293400.6	0.9591	mg/L	0.00162	38.362	mg/kg	0.0648	0.17%

Sodium,7440-23-5†	306264.9	38.122 mg/L	0.0448	1524.9 mg/kg	1.79	0.12%
Strontium,7440-24-6†	395213.5	1.0385 mg/L	0.00106	41.540 mg/kg	0.0423	0.10%
Thallium,7440-28-0†	1638.4	0.9467 mg/L	0.00649	37.870 mg/kg	0.2595	0.69%
Tin,7440-31-5†	6226.4	0.9419 mg/L	0.00515	37.676 mg/kg	0.2062	0.55%
Titanium,7440-32-6†	809512.3	1.3191 mg/L	0.00433	52.765 mg/kg	0.1731	0.33%
Vanadium,7440-62-2†	237420.3	1.0059 mg/L	0.00210	40.236 mg/kg	0.0839	0.21%
Zinc,7440-66-6†	97038.1	0.9611 mg/L	0.00206	38.444 mg/kg	0.0823	0.21%
Zirconium,7440-67-7†	492002.8	0.9878 mg/L	0.00047	39.511 mg/kg	0.0187	0.05%

Sequence No.: 21
Sample ID: 20206200201 L
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 5X

Autosampler Location: 24
Date Collected: 06/21/2002 11:57:31
Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 20206200201 L

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7500960.4	100.15	%	0.256				0.26%
Scandium-IS	4639594.5	98.562	%	0.7898				0.80%
Yttrium,7440-65-5A	2161186.8	99.530	%	1.5853				1.59%
Yttrium,7440-65-5R	123907.1	97.663	%	0.7599				0.78%
Aluminum,7429-90-5†	3311.6	4.9134	mg/L	0.34888	982.68	mg/kg	69.776	7.10%
Antimony,7440-36-0†	1.4	0.0004	mg/L	0.00169	0.0837	mg/kg	0.33728	402.85%
Arsenic,7440-38-2†	-2.7	0.0004	mg/L	0.00233	0.0838	mg/kg	0.46571	555.54%
Barium,7440-39-3†	2566.2	0.0149	mg/L	0.00126	2.9894	mg/kg	0.25216	8.44%
Beryllium,7440-41-7†	2301.5	0.0005	mg/L	0.00006	0.1003	mg/kg	0.01112	11.09%
Boron,7440-42-8†	3776.0	0.0809	mg/L	0.00508	16.177	mg/kg	1.0166	6.28%
Cadmium,7440-43-9†	34.7	-0.0001	mg/L	0.00009	-0.0103	mg/kg	0.01840	179.46%
Calcium,7440-70-2†	3796.0	1.0793	mg/L	0.08048	215.86	mg/kg	16.096	7.46%
Cerium,7440-45-1†	3566.4	0.0349	mg/L	0.00270	6.9852	mg/kg	0.53967	7.73%
Chromium,7440-47-3†	608.4	0.0048	mg/L	0.00040	0.9624	mg/kg	0.08052	8.37%
Cobalt,7440-48-4†	120.0	0.0018	mg/L	0.00029	0.3555	mg/kg	0.05756	16.19%
Copper,7440-50-8†	992.7	0.0033	mg/L	0.00048	0.6641	mg/kg	0.09618	14.48%
Iron,7439-89-6†	4803.9	4.7876	mg/L	0.32942	957.52	mg/kg	65.884	6.88%
Lead,7439-92-1†	94.3	0.0065	mg/L	0.00133	1.3041	mg/kg	0.26530	20.34%
Lithium,7439-93-2†	155.4	0.0027	mg/L	0.00094	0.5384	mg/kg	0.18858	35.02%
Magnesium,7439-95-4†	67.5	0.2236	mg/L	0.01082	44.712	mg/kg	2.1646	4.84%
Manganese,7439-96-5†	14433.9	0.0136	mg/L	0.00110	2.7258	mg/kg	0.21947	8.05%
Molybdenum,7439-98-7†	80.2	0.0033	mg/L	0.00040	0.6587	mg/kg	0.08023	12.18%
Nickel,7440-02-0†	225.3	0.0039	mg/L	0.00076	0.7875	mg/kg	0.15251	19.36%
Phosphorus,7439-93-2†	230.6	0.1124	mg/L	0.00849	22.472	mg/kg	1.6977	7.55%
Potassium,7440-09-7†	997.4	0.3604	mg/L	0.03273	72.076	mg/kg	6.5461	9.08%
Selenium,7782-49-2†	-5.8	0.0004	mg/L	0.00331	0.0842	mg/kg	0.66104	784.88%
Silicon,7440-21-3†	13633.2	1.0963	mg/L	0.09310	219.26	mg/kg	18.621	8.49%
Silver,7440-22-4†	10.0	0.0000	mg/L	0.00062	0.0066	mg/kg	0.12406	>999.9%
Sodium,7440-23-5†	-2123.4	-0.2644	mg/L	0.00759	-52.880	mg/kg	1.5186	2.87%
Strontium,7440-24-6†	9905.8	0.0260	mg/L	0.00175	5.2059	mg/kg	0.34970	6.72%
Thallium,7440-28-0†	2.4	0.0014	mg/L	0.00051	0.2831	mg/kg	0.10157	35.87%
Tin,7440-31-5†	19.3	0.0034	mg/L	0.00031	0.6890	mg/kg	0.06195	8.99%
Titanium,7440-32-6†	48867.2	0.0796	mg/L	0.00742	15.927	mg/kg	1.4836	9.31%
Vanadium,7440-62-2†	1335.7	0.0053	mg/L	0.00058	1.0681	mg/kg	0.11662	10.92%
Zinc,7440-66-6†	950.2	0.0090	mg/L	0.00089	1.7927	mg/kg	0.17771	9.91%
Zirconium,7440-67-7†	2102.6	0.0042	mg/L	0.00052	0.8337	mg/kg	0.10339	12.40%

Sequence No.: 22
Sample ID: 20206200202
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 25
Date Collected: 06/21/2002 12:04:43
Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

R/R diluted

Mean Data: 20206200202

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	5840448.3	77.981	%	0.2448				0.31%
Scandium-IS	3552580.3	75.470	%	0.4999				0.66%
Yttrium,7440-65-5A	1736570.6	79.975	%	0.4981				0.62%

Yttrium,7440-65-5R	107051.6	84.378	%	0.4083				0.48%
Aluminum,7429-90-5†	3690.9	4.8485	mg/L	0.01906	193.94	mg/kg	0.762	0.39%
Antimony,7440-36-0†	-76.3	0.0333	mg/L	0.00572	1.3339	mg/kg	0.22891	17.16%
Arsenic,7440-38-2†	-91.6	0.4124	mg/L	0.00345	16.495	mg/kg	0.1378	0.84%
Barium,7440-39-3†	17704.6	0.0891	mg/L	0.00095	3.5621	mg/kg	0.03804	1.07%
Beryllium,7440-41-7†	-3403.0	-0.0009	mg/L	0.00002	-0.0348	mg/kg	0.00068	1.95%
Boron,7440-42-8†	2806.2	0.0611	mg/L	0.00308	2.4426	mg/kg	0.12309	5.04%
Cadmium,7440-43-9†	-510.6	-0.0030	mg/L	0.00014	-0.1208	mg/kg	0.00565	4.68%
Calcium,7440-70-2†	24166161.4	6875.8	mg/L	20.88	275030	mg/kg	835.3	0.30%
Cerium,7440-45-1†	2413.6	0.0241	mg/L	0.00192	0.9646	mg/kg	0.07681	7.96%
Chromium,7440-47-3†	16718.0	0.1181	mg/L	0.00155	4.7251	mg/kg	0.06215	1.32%
Cobalt,7440-48-4†	462.5	0.0074	mg/L	0.00051	0.2953	mg/kg	0.02036	6.89%
Copper,7440-50-8†	6460.7	-0.0061	mg/L	0.00041	-0.2420	mg/kg	0.01659	6.86%
Iron,7439-89-6†	6720.6	6.7458	mg/L	0.03021	269.83	mg/kg	1.208	0.45%
Lead,7439-92-1†	-1269.7	-0.0776	mg/L	0.00010	-3.1051	mg/kg	0.00381	0.12%
Lithium,7439-93-2†	772.1	0.0788	mg/L	0.00071	3.1506	mg/kg	0.02853	0.91%
Magnesium,7439-95-4†	14672.7	48.288	mg/L	0.4336	1931.5	mg/kg	17.34	0.90%
Manganese,7439-96-5†	518036.7	0.4797	mg/L	0.00030	19.188	mg/kg	0.0120	0.06%
Molybdenum,7439-98-7†	440.1	-0.1427	mg/L	0.00040	-5.7089	mg/kg	0.01601	0.28%
Nickel,7440-02-0†	1281.6	-0.0077	mg/L	0.00052	-0.3094	mg/kg	0.02064	6.67%
Phosphorus,7439-93-2†	17332.0	8.3069	mg/L	0.06829	332.27	mg/kg	2.732	0.82%
Potassium,7440-09-7†	2107.4	1.1003	mg/L	0.02171	44.013	mg/kg	0.8683	1.97%
Selenium,7782-49-2†	-329.9	0.1178	mg/L	0.00677	4.7102	mg/kg	0.27071	5.75%
Silicon,7440-21-3†	44739.6	3.8129	mg/L	0.00769	152.51	mg/kg	0.308	0.20%
Silver,7440-22-4†	-1884.1	-0.0062	mg/L	0.00038	-0.2464	mg/kg	0.01529	6.21%
Sodium,7440-23-5†	24428.9	3.1103	mg/L	0.05774	124.41	mg/kg	2.310	1.86%
Strontium,7440-24-6†	2836818.2	7.4543	mg/L	0.00582	298.17	mg/kg	0.233	0.08%
Thallium,7440-28-0†	14.1	0.0081	mg/L	0.00099	0.3251	mg/kg	0.03977	12.23%
Tin,7440-31-5†	674.4	-0.2247	mg/L	0.00335	-8.9860	mg/kg	0.13390	1.49%
Titanium,7440-32-6†	33262.7	0.0542	mg/L	0.00044	2.1678	mg/kg	0.01770	0.82%
Vanadium,7440-62-2†	27846.8	0.0944	mg/L	0.00056	3.7776	mg/kg	0.02241	0.59%
Zinc,7440-66-6†	9848.6	-0.2347	mg/L	0.00031	-9.3878	mg/kg	0.01222	0.13%
Zirconium,7440-67-7†	8396.1	0.0168	mg/L	0.00039	0.6721	mg/kg	0.01550	2.31%

Sequence No.: 23
Sample ID: ---------
Analyst:
Nebulizer Back Pressure: 149.0 kPa
Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 06/21/2002 12:11:32

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: ---------

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Argon	7481601.7	99.893	%	0.1146				0.11%
Scandium-IS	4666514.9	99.134	%	0.7801				0.79%
Yttrium,7440-65-5A	2190977.0	100.90	%	0.843				0.84%
Yttrium,7440-65-5R	121948.5	96.119	%	2.4905				2.59%
Aluminum,7429-90-5†	-25.6	-0.0380	mg/L	0.02071	-0.0380	mg/L	0.02071	54.45%
Antimony,7440-36-0†	-3.2	-0.0011	mg/L	0.00089	-0.0011	mg/L	0.00089	83.59%
Arsenic,7440-38-2†	-5.8	-0.0028	mg/L	0.00087	-0.0028	mg/L	0.00087	30.67%
Barium,7440-39-3†	-30.9	-0.0002	mg/L	0.00009	-0.0002	mg/L	0.00009	52.77%
Beryllium,7440-41-7†	836.0	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	13.68%
Boron,7440-42-8†	1103.4	0.0233	mg/L	0.00129	0.0233	mg/L	0.00129	5.54%
Cadmium,7440-43-9†	-25.4	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	80.92%
Calcium,7440-70-2†	820.1	0.2334	mg/L	0.03715	0.2334	mg/L	0.03715	15.92%
Cerium,7440-45-1†	-222.5	-0.0022	mg/L	0.00135	-0.0022	mg/L	0.00135	61.93%
Chromium,7440-47-3†	30.6	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	36.69%
Cobalt,7440-48-4†	2.1	0.0000	mg/L	0.00013	0.0000	mg/L	0.00013	395.14%
Copper,7440-50-8†	29.0	0.0001	mg/L	0.00039	0.0001	mg/L	0.00039	522.57%
Iron,7439-89-6†	-16.6	-0.0166	mg/L	0.00809	-0.0166	mg/L	0.00809	48.85%
Lead,7439-92-1†	3.3	0.0002	mg/L	0.00046	0.0002	mg/L	0.00046	236.65%
Lithium,7439-93-2†	-31.8	-0.0005	mg/L	0.00155	-0.0005	mg/L	0.00155	288.58%
Magnesium,7439-95-4†	4.6	0.0151	mg/L	0.02338	0.0151	mg/L	0.02338	155.16%
Manganese,7439-96-5†	-128.3	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	13.44%
Molybdenum,7439-98-7†	1.3	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	117.02%
Nickel,7440-02-0†	15.6	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026	95.77%
Phosphorus,7439-93-2†	-10.5	-0.0051	mg/L	0.00136	-0.0051	mg/L	0.00136	26.53%
Potassium,7440-09-7†	-153.2	-0.0552	mg/L	0.00504	-0.0552	mg/L	0.00504	9.12%
Selenium,7782-49-2†	1.8	0.0008	mg/L	0.00603	0.0008	mg/L	0.00603	740.75%
Silicon,7440-21-3†	-44.8	-0.0036	mg/L	0.00057	-0.0036	mg/L	0.00057	15.89%

Silver,7440-22-4†	151.0	0.0005 mg/L	0.00080	0.0005 mg/L	0.00080	162.60%
Sodium,7440-23-5†	-334.6	-0.0416 mg/L	0.01654	-0.0416 mg/L	0.01654	39.70%
Strontium,7440-24-6†	61.8	0.0002 mg/L	0.00006	0.0002 mg/L	0.00006	36.21%
Thallium,7440-28-0†	1.2	0.0007 mg/L	0.00063	0.0007 mg/L	0.00063	89.54%
Tin,7440-31-5†	-2.8	-0.0004 mg/L	0.00081	-0.0004 mg/L	0.00081	187.19%
Titanium,7440-32-6†	45.3	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	173.84%
Vanadium,7440-62-2†	-521.5	-0.0022 mg/L	0.00050	-0.0022 mg/L	0.00050	22.43%
Zinc,7440-66-6†	-201.9	-0.0020 mg/L	0.00018	-0.0020 mg/L	0.00018	8.78%
Zirconium,7440-67-7†	-28.5	-0.0001 mg/L	0.00016	-0.0001 mg/L	0.00016	279.04%

Sequence No.: 24
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 06/21/2002 12:18:46
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Analysis Begun

Start Time: 06/21/2002 12:23:22
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 06/21/2002 07:59:35
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\1468.sif
Results Data Set: 2020621 A
Results Library: c:\win32\Results\Results.mdb

Method Loaded
Method Name: ICP5
IEC File: 05-06 iec.iec
Method Description: ICP5

Method Last Saved: 06/21/2002 12:23:07
MSF File:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Aluminum,7429-90-5	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Antimony,7440-36-0	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Argon	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Arsenic,7440-38-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Barium,7440-39-3	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Beryllium,7440-41-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Boron,7440-42-8	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Cadmium,7440-43-9	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Calcium,7440-70-2	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Cerium,7440-45-1	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Chromium,7440-47-3	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Cobalt,7440-48-4	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Copper,7440-50-8	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Iron,7439-89-6	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Lead,7439-92-1	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Lithium,7439-93-2	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Magnesium,7439-95-4	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Manganese,7439-96-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Molybdenum,7439-98-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Nickel,7440-02-0	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Phosphorus,7439-93-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Potassium,7440-09-7	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Scandium-IS	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Selenium,7782-49-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Silicon,7440-21-3	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Silver,7440-22-4	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	No
Sodium,7440-23-5	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Strontium,7440-24-6	Lin, Calc Int	Peak Area	Radial	Yttrium,7440-65-5R	Yes
Thallium,7440-28-0	Lin, Calc Int	Peak Height	Axial	Yttrium,7440-65-5A	No
Tin,7440-31-5	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Titanium,7440-32-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Vanadium,7440-62-2	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Yttrium,7440-65-5A	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Yttrium,7440-65-5R	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Zinc,7440-66-6	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes
Zirconium,7440-67-7	Lin, Calc Int	Peak Area	Axial	Yttrium,7440-65-5A	Yes

Sequence No.: 1
Sample ID: 46445
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 1X

Autosampler Location: 17
Date Collected: 06/21/2002 12:23:22

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Analysis Begun

Start Time: 06/21/2002 12:23:48
Logged In Analyst: met
Spectrometer Model: Optima 4300 DV

Plasma On Time: 06/21/2002 07:59:35
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\Win32\Sample Information\1468.sif
Results Data Set: 2020621 A

Results Library: c:\win32\Results\Results.mdb

Sequence No.: 10
Sample ID: 20206200202
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt: 2.5 g
Dilution: 10X

Autosampler Location: 26
Date Collected: 06/21/2002 12:23:49

Nebulizer Flow: 0.52 L/min
Sample Prep Volume: 100 mL
Data Type: Original

Mean Data: 20206200202

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	6930061.1	92.529	%	0.2775				0.30%
Scandium-IS	4294271.6	91.226	%	1.0353				1.13%
Yttrium,7440-65-5A	2011418.1	92.632	%	1.1277				1.22%
Yttrium,7440-65-5R	114084.6	89.921	%	0.5927				0.66%
Aluminum,7429-90-5†	403.5	0.5098	mg/L	0.03278	203.93	mg/kg	13.111	6.43%
Antimony,7440-36-0†	-12.8	0.0041	mg/L	0.00140	1.6553	mg/kg	0.56146	33.92%
Arsenic,7440-38-2†	-24.2	0.0531	mg/L	0.00338	21.224	mg/kg	1.3505	6.36%
Barium,7440-39-3†	1985.7	0.0096	mg/L	0.00064	3.8228	mg/kg	0.25614	6.70%
Beryllium,7440-41-7†	-1149.6	-0.0003	mg/L	0.00003	-0.1149	mg/kg	0.01398	12.17%
Boron,7440-42-8†	696.4	0.0149	mg/L	0.00081	5.9687	mg/kg	0.32210	5.40%
Cadmium,7440-43-9†	-145.1	-0.0009	mg/L	0.00004	-0.3416	mg/kg	0.01675	4.90%
Calcium,7440-70-2†	3427312.5	975.14	mg/L	19.407	390060	mg/kg	7762.6	1.99%
Cerium,7440-45-1†	-439.1	-0.0042	mg/L	0.00060	-1.6951	mg/kg	0.24035	14.18%
Chromium,7440-47-3†	2051.2	0.0143	mg/L	0.00102	5.7117	mg/kg	0.40793	7.14%
Cobalt,7440-48-4†	82.6	0.0013	mg/L	0.00013	0.5305	mg/kg	0.05252	9.90%
Copper,7440-50-8†	1110.5	-0.0003	mg/L	0.00036	-0.1255	mg/kg	0.14425	114.95%
Iron,7439-89-6†	819.5	0.8235	mg/L	0.01699	329.41	mg/kg	6.796	2.06%
Lead,7439-92-1†	-139.1	-0.0085	mg/L	0.00048	-3.4040	mg/kg	0.19082	5.61%
Lithium,7439-93-2†	51.6	0.0102	mg/L	0.00015	4.0735	mg/kg	0.06085	1.49%
Magnesium,7439-95-4†	1935.0	6.3729	mg/L	0.12351	2549.2	mg/kg	49.41	1.94%
Manganese,7439-96-5†	60191.6	0.0557	mg/L	0.00351	22.292	mg/kg	1.4022	6.29%
Molybdenum,7439-98-7†	217.4	-0.0139	mg/L	0.00029	-5.5702	mg/kg	0.11776	2.11%
Nickel,7440-02-0†	186.5	-0.0010	mg/L	0.00042	-0.4059	mg/kg	0.16881	41.59%
Phosphorus,7439-93-2†	1859.2	0.8867	mg/L	0.05638	354.69	mg/kg	22.550	6.36%
Potassium,7440-09-7†	114.9	0.0896	mg/L	0.03351	35.854	mg/kg	13.4042	37.38%
Selenium,7782-49-2†	-109.2	-0.0117	mg/L	0.00072	-4.6969	mg/kg	0.28907	6.15%
Silicon,7440-21-3†	4437.4	0.3871	mg/L	0.02196	154.84	mg/kg	8.785	5.67%
Silver,7440-22-4†	81.8	0.0003	mg/L	0.00087	0.1069	mg/kg	0.34915	326.61%
Sodium,7440-23-5†	4739.4	0.5998	mg/L	0.02153	239.92	mg/kg	8.612	3.59%
Strontium,7440-24-6†	352740.0	0.9269	mg/L	0.01875	370.76	mg/kg	7.500	2.02%
Thallium,7440-28-0†	6.7	0.0039	mg/L	0.00191	1.5556	mg/kg	0.76348	49.08%
Tin,7440-31-5†	180.6	-0.0191	mg/L	0.00051	-7.6542	mg/kg	0.20324	2.66%
Titanium,7440-32-6†	3767.3	0.0061	mg/L	0.00018	2.4553	mg/kg	0.07108	2.89%
Vanadium,7440-62-2†	3209.6	0.0103	mg/L	0.00135	4.1057	mg/kg	0.54162	13.19%
Zinc,7440-66-6†	1935.6	-0.0279	mg/L	0.00004	-11.143	mg/kg	0.0168	0.15%
Zirconium,7440-67-7†	358.9	0.0007	mg/L	0.00015	0.2853	mg/kg	0.05898	20.67%

Sequence No.: 11
Sample ID: 1800
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 06/21/2002 12:31:07

Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1800

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7451723.9	99.494	%	0.2481				0.25%
Scandium-IS	4545696.0	96.567	%	0.7489				0.78%
Yttrium,7440-65-5A	2119726.3	97.620	%	0.4726				0.48%
Yttrium,7440-65-5R	121249.0	95.568	%	1.2954				1.36%
Aluminum,7429-90-5†	3332.7	4.9333	mg/L	0.04127	4.9333	mg/L	0.04127	0.84%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.67%								
Antimony,7440-36-0†	27.2	-0.0012	mg/L	0.00168	-0.0012	mg/L	0.00168	139.95%
Arsenic,7440-38-2†	1050.1	0.5132	mg/L	0.00218	0.5132	mg/L	0.00218	0.43%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.63%								
Barium,7440-39-3†	86117.1	0.5041	mg/L	0.00949	0.5041	mg/L	0.00949	1.88%

QC value within limits for Barium,7440-39-3 Recovery = 100.83%

Beryllium,7440-41-7†	2015801.2	0.4990 mg/L	0.00477	0.4990 mg/L	0.00477	0.96%

QC value within limits for Beryllium,7440-41-7 Recovery = 99.79%

Boron,7440-42-8†	354.1	0.0089 mg/L	0.00033	0.0089 mg/L	0.00033	3.71%
Cadmium,7440-43-9†	85883.7	0.5075 mg/L	0.00961	0.5075 mg/L	0.00961	1.89%

QC value within limits for Cadmium,7440-43-9 Recovery = 101.51%

Calcium,7440-70-2†	17432.5	4.9588 mg/L	0.06373	4.9588 mg/L	0.06373	1.29%

QC value within limits for Calcium,7440-70-2 Recovery = 99.18%

Cerium,7440-45-1†	52415.6	0.5135 mg/L	0.01035	0.5135 mg/L	0.01035	2.02%

QC value within limits for Cerium,7440-45-1 Recovery = 102.71%

Chromium,7440-47-3†	65166.9	0.5031 mg/L	0.00937	0.5031 mg/L	0.00937	1.86%

QC value within limits for Chromium,7440-47-3 Recovery = 100.62%

Cobalt,7440-48-4†	31303.6	0.5082 mg/L	0.00875	0.5082 mg/L	0.00875	1.72%

QC value within limits for Cobalt,7440-48-4 Recovery = 101.64%

Copper,7440-50-8†	185158.6	0.4933 mg/L	0.00855	0.4933 mg/L	0.00855	1.73%

QC value within limits for Copper,7440-50-8 Recovery = 98.67%

Iron,7439-89-6†	5051.3	5.0342 mg/L	0.05529	5.0342 mg/L	0.05529	1.10%

QC value within limits for Iron,7439-89-6 Recovery = 100.68%

Lead,7439-92-1†	8296.1	0.5117 mg/L	0.00417	0.5117 mg/L	0.00417	0.81%

QC value within limits for Lead,7439-92-1 Recovery = 102.33%

Lithium,7439-93-2†	29571.9	0.5026 mg/L	0.00496	0.5026 mg/L	0.00496	0.99%

QC value within limits for Lithium,7439-93-2 Recovery = 100.53%

Magnesium,7439-95-4†	1538.0	5.0132 mg/L	0.05489	5.0132 mg/L	0.05489	1.09%

QC value within limits for Magnesium,7439-95-4 Recovery = 100.26%

Manganese,7439-96-5†	552431.3	0.5120 mg/L	0.00545	0.5120 mg/L	0.00545	1.06%

QC value within limits for Manganese,7439-96-5 Recovery = 102.40%

Molybdenum,7439-98-7†	1.2	0.0001 mg/L	0.00029	0.0001 mg/L	0.00029	560.02%
Nickel,7440-02-0†	29532.3	0.5107 mg/L	0.00912	0.5107 mg/L	0.00912	1.79%

QC value within limits for Nickel,7440-02-0 Recovery = 102.14%

Phosphorus,7439-93-2†	-62.7	0.1243 mg/L	0.00464	0.1243 mg/L	0.00464	3.73%
Potassium,7440-09-7†	27705.7	9.9902 mg/L	0.04245	9.9902 mg/L	0.04245	0.42%

QC value within limits for Potassium,7440-09-7 Recovery = 99.90%

Selenium,7782-49-2†	1089.9	0.4982 mg/L	0.00776	0.4982 mg/L	0.00776	1.56%

QC value within limits for Selenium,7782-49-2 Recovery = 99.65%

Silicon,7440-21-3†	-29.3	-0.0015 mg/L	0.00069	-0.0015 mg/L	0.00069	46.46%
Silver,7440-22-4†	151489.4	0.4952 mg/L	0.00788	0.4952 mg/L	0.00788	1.59%

QC value within limits for Silver,7440-22-4 Recovery = 99.04%

Sodium,7440-23-5†	159334.2	19.833 mg/L	0.1791	19.833 mg/L	0.1791	0.90%

QC value within limits for Sodium,7440-23-5 Recovery = 99.16%

Strontium,7440-24-6†	185872.8	0.4884 mg/L	0.00399	0.4884 mg/L	0.00399	0.82%

QC value within limits for Strontium,7440-24-6 Recovery = 97.68%

Thallium,7440-28-0†	875.4	0.5059 mg/L	0.00427	0.5059 mg/L	0.00427	0.84%

QC value within limits for Thallium,7440-28-0 Recovery = 101.17%

Tin,7440-31-5†	3.8	0.0006 mg/L	0.00074	0.0006 mg/L	0.00074	134.34%
Titanium,7440-32-6†	118.2	0.0001 mg/L	0.00015	0.0001 mg/L	0.00015	100.32%
Vanadium,7440-62-2†	117359.0	0.4978 mg/L	0.00923	0.4978 mg/L	0.00923	1.85%

QC value within limits for Vanadium,7440-62-2 Recovery = 99.56%

Zinc,7440-66-6†	50965.6	0.5049 mg/L	0.00898	0.5049 mg/L	0.00898	1.78%

QC value within limits for Zinc,7440-66-6 Recovery = 100.98%

Zirconium,7440-67-7†	108.3	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	58.78%

All analytes passed QC.

Sequence No.: 12
Sample ID: 1802
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 06/21/2002 12:38:28
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1802

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7486212.2	99.955	%	0.1493				0.15%
Scandium-IS	4658621.2	98.966	%	0.4876				0.49%
Yttrium,7440-65-5A	2166826.3	99.789	%	0.6925				0.69%
Yttrium,7440-65-5R	120860.7	95.262	%	0.6393				0.67%
Aluminum,7429-90-5†	-20.3	-0.0309	mg/L	0.00811	-0.0309	mg/L	0.00811	26.24%
Antimony,7440-36-0†	1482.0	0.4862	mg/L	0.00703	0.4862	mg/L	0.00703	1.45%

QC value within limits for Antimony,7440-36-0 Recovery = 97.24%

Arsenic,7440-38-2†	-9.6	-0.0046	mg/L	0.00191	-0.0046	mg/L	0.00191	41.40%
Barium,7440-39-3†	-168.3	-0.0010	mg/L	0.00005	-0.0010	mg/L	0.00005	4.63%

Beryllium,7440-41-7†	1528.0	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	149.95%
Boron,7440-42-8†	116103.5	2.4504 mg/L	0.00166	2.4504 mg/L	0.00166	0.07%
QC value within limits for Boron,7440-42-8 Recovery = 98.01%						
Cadmium,7440-43-9†	-22.5	-0.0001 mg/L	0.00011	-0.0001 mg/L	0.00011	82.05%
Calcium,7440-70-2†	-8.6	-0.0024 mg/L	0.00657	-0.0024 mg/L	0.00657	268.27%
Cerium,7440-45-1†	-64.9	-0.0007 mg/L	0.00042	-0.0007 mg/L	0.00042	56.97%
Chromium,7440-47-3†	43.1	0.0003 mg/L	0.00014	0.0003 mg/L	0.00014	45.91%
Cobalt,7440-48-4†	61.8	-0.0002 mg/L	0.00018	-0.0002 mg/L	0.00018	111.47%
Copper,7440-50-8†	447.3	0.0011 mg/L	0.00035	0.0011 mg/L	0.00035	31.88%
Iron,7439-89-6†	-26.2	-0.0260 mg/L	0.00258	-0.0260 mg/L	0.00258	9.90%
Lead,7439-92-1†	-18.0	-0.0010 mg/L	0.00067	-0.0010 mg/L	0.00067	67.37%
Lithium,7439-93-2†	10.6	0.0002 mg/L	0.00172	0.0002 mg/L	0.00172	955.85%
Magnesium,7439-95-4†	-3.7	-0.0106 mg/L	0.02174	-0.0106 mg/L	0.02174	204.75%
Manganese,7439-96-5†	-84.1	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	20.69%
Molybdenum,7439-98-7†	12140.6	0.4949 mg/L	0.00669	0.4949 mg/L	0.00669	1.35%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.98%						
Nickel,7440-02-0†	-18.5	-0.0004 mg/L	0.00030	-0.0004 mg/L	0.00030	84.54%
Phosphorus,7439-93-2†	10134.9	4.9331 mg/L	0.07077	4.9331 mg/L	0.07077	1.43%
QC value within limits for Phosphorus,7439-93-2 Recovery = 98.66%						
Potassium,7440-09-7†	-210.5	-0.0757 mg/L	0.01466	-0.0757 mg/L	0.01466	19.36%
Selenium,7782-49-2†	-4.7	-0.0021 mg/L	0.00262	-0.0021 mg/L	0.00262	125.01%
Silicon,7440-21-3†	61357.9	4.9315 mg/L	0.00490	4.9315 mg/L	0.00490	0.10%
QC value within limits for Silicon,7440-21-3 Recovery = 98.63%						
Silver,7440-22-4†	1287.9	0.0042 mg/L	0.00057	0.0042 mg/L	0.00057	13.46%
Sodium,7440-23-5†	173.8	0.0218 mg/L	0.01887	0.0218 mg/L	0.01887	86.40%
Strontium,7440-24-6†	20.1	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	143.65%
Thallium,7440-28-0†	-6.1	-0.0035 mg/L	0.00075	-0.0035 mg/L	0.00075	21.13%
Tin,7440-31-5†	3285.2	0.4956 mg/L	0.00578	0.4956 mg/L	0.00578	1.17%
QC value within limits for Tin,7440-31-5 Recovery = 99.12%						
Titanium,7440-32-6†	302200.4	0.4925 mg/L	0.00120	0.4925 mg/L	0.00120	0.24%
QC value within limits for Titanium,7440-32-6 Recovery = 98.50%						
Vanadium,7440-62-2†	-177.3	-0.0007 mg/L	0.00008	-0.0007 mg/L	0.00008	11.00%
Zinc,7440-66-6†	176.7	0.0027 mg/L	0.00004	0.0027 mg/L	0.00004	1.66%
Zirconium,7440-67-7†	241658.8	0.4853 mg/L	0.00083	0.4853 mg/L	0.00083	0.17%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.05%						

All analytes passed QC.

Sequence No.: 13
Sample ID: 1900
Analyst:
Nebulizer Back Pressure: 150.0 kPa
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 06/21/2002 12:45:49
Nebulizer Flow: 0.52 L/min
Sample Prep Volume:
Data Type: Original

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Argon	7288322.2	97.312	%	0.3663				0.38%
Scandium-IS	4520476.1	96.031	%	1.2725				1.33%
Yttrium,7440-65-5A	2129112.7	98.052	%	0.4137				0.42%
Yttrium,7440-65-5R	121607.7	95.851	%	0.2925				0.31%
Aluminum,7429-90-5†	-16.2	-0.0240	mg/L	0.02159	-0.0240	mg/L	0.02159	90.03%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	4.6	0.0015	mg/L	0.00195	0.0015	mg/L	0.00195	131.52%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-8.5	-0.0041	mg/L	0.00245	-0.0041	mg/L	0.00245	60.22%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-10.0	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	169.15%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	464.3	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	22.43%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1307.4	0.0276	mg/L	0.00222	0.0276	mg/L	0.00222	8.06%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-17.7	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013	127.05%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	24.6	0.0070	mg/L	0.00223	0.0070	mg/L	0.00223	31.91%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Cerium,7440-45-1†	-121.8	-0.0012	mg/L	0.00107	-0.0012	mg/L	0.00107	89.73%
QC value within limits for Cerium,7440-45-1 Recovery = Not calculated								
Chromium,7440-47-3†	53.8	0.0004	mg/L	0.00015	0.0004	mg/L	0.00015	36.48%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								

Cobalt,7440-48-4†	-2.1	0.0000 mg/L	0.00020	0.0000 mg/L	0.00020	566.87%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	1159.6	0.0031 mg/L	0.00037	0.0031 mg/L	0.00037	11.95%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	-12.1	-0.0120 mg/L	0.00752	-0.0120 mg/L	0.00752	62.58%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1†	11.9	0.0007 mg/L	0.00065	0.0007 mg/L	0.00065	88.78%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	466.5	0.0079 mg/L	0.00100	0.0079 mg/L	0.00100	12.64%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	8.2	0.0267 mg/L	0.00607	0.0267 mg/L	0.00607	22.74%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese,7439-96-5†	1465.2	0.0014 mg/L	0.00004	0.0014 mg/L	0.00004	2.99%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	39.5	0.0016 mg/L	0.00017	0.0016 mg/L	0.00017	10.53%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	13.6	0.0002 mg/L	0.00041	0.0002 mg/L	0.00041	174.64%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Phosphorus,7439-93-2†	-8.1	-0.0030 mg/L	0.00428	-0.0030 mg/L	0.00428	143.26%
QC value within limits for Phosphorus,7439-93-2 Recovery = Not calculated						
Potassium,7440-09-7†	-140.4	-0.0506 mg/L	0.01924	-0.0506 mg/L	0.01924	38.00%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	0.7	0.0003 mg/L	0.00558	0.0003 mg/L	0.00558	>999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	-19.7	-0.0016 mg/L	0.00160	-0.0016 mg/L	0.00160	101.30%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	283.8	0.0009 mg/L	0.00055	0.0009 mg/L	0.00055	59.16%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	1246.3	0.1551 mg/L	0.10764	0.1551 mg/L	0.10764	69.39%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	13.6	0.0000 mg/L	0.00006	0.0000 mg/L	0.00006	173.97%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	3.3	0.0019 mg/L	0.00264	0.0019 mg/L	0.00264	140.39%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	18.1	0.0027 mg/L	0.00099	0.0027 mg/L	0.00099	36.49%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	100.6	0.0002 mg/L	0.00009	0.0002 mg/L	0.00009	56.42%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-235.5	-0.0010 mg/L	0.00047	-0.0010 mg/L	0.00047	47.20%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	76.3	0.0008 mg/L	0.00024	0.0008 mg/L	0.00024	31.50%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	109.4	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	59.60%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analytes passed QC.

==========

Sequence No.: 14 **Autosampler Location: 27**
Sample ID: 20206190141 **Date Collected: 06/21/2002 12:53:02**
Analyst:
Nebulizer Back Pressure: 150.0 kPa **Nebulizer Flow: 0.52 L/min**
Sample Wt: 2.5 g **Sample Prep Volume: 100 mL**
Dilution: 1X **Data Type: Original**

Mean Data: 20206190141

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Argon	7347774.1	98.106	%	0.1297				0.13%
Scandium-IS	4604796.3	97.822	%	0.6759				0.69%
Yttrium,7440-65-5A	2135338.3	98.339	%	0.4278				0.44%
Yttrium,7440-65-5R	116948.2	92.178	%	1.6389				1.78%
Aluminum,7429-90-5†	-53.9	-0.0799	mg/L	0.00552	-3.1967	mg/kg	0.22100	6.91%
Antimony,7440-36-0†	-1.6	-0.0006	mg/L	0.00126	-0.0227	mg/kg	0.05040	222.51%
Arsenic,7440-38-2†	-22.6	-0.0108	mg/L	0.00072	-0.4307	mg/kg	0.02875	6.67%
Barium,7440-39-3†	-101.9	-0.0006	mg/L	0.00003	-0.0238	mg/kg	0.00100	4.22%
Beryllium,7440-41-7†	982.9	0.0002	mg/L	0.00001	0.0097	mg/kg	0.00043	4.42%
Boron,7440-42-8†	779.9	0.0165	mg/L	0.00099	0.6581	mg/kg	0.03953	6.01%
Cadmium,7440-43-9†	-58.0	-0.0003	mg/L	0.00006	-0.0136	mg/kg	0.00260	19.05%
Calcium,7440-70-2†	114.7	0.0326	mg/L	0.00280	1.3059	mg/kg	0.11216	8.59%
Cerium,7440-45-1†	-182.3	0.0018	mg/L	0.00050	0.0714	mg/kg	0.02012	28.19%
Chromium,7440-47-3†	45.6	0.0004	mg/L	0.00003	0.0141	mg/kg	0.00112	7.94%
Cobalt,7440-48-4†	-8.0	-0.0001	mg/L	0.00010	-0.0053	mg/kg	0.00383	71.95%

MERCURY

MATRIX: SOLID
SnCl2 ID: 102-4-13
NaCl2/(NH2OH)2 ID: 102-4-9
INSTRUMENT: FIMS1

ANALYST: PJO
DATE: 6-20-02
TIME: 1246

AS LOC	SAMPLE ID	HBN NO.	DILUTION	RESULT	UNITS	RECOVERY
5	QC			0.00534	mg/L	107
9	ICV			0.00493		99
1	ICB			<0.0002		
5	CCV			0.00499		100
1	CCB			<0.0002		
17	[redacted]	[redacted]		<0.010	mg/kg	
18	[redacted]	[redacted]		0.2313		113
19	[redacted]			<0.010		
20	[redacted]	[redacted]		<0.010		
21	[redacted]	[redacted]		0.2699		108
22	[redacted]			<0.010		
23	[redacted]			<0.010		
24	[redacted]			<0.010		
25	[redacted]			<0.010		
26	[redacted]			<0.010		
5	CCV			0.00496	mg/L	99
1	CCB			<0.0002		
27	[redacted]			<0.010	mg/kg	
28	[redacted]			<0.010		
29	[redacted]			<0.010		
30	[redacted]			<0.010		
31	[redacted]			<0.010		
32	[redacted]			<0.010		
33	[redacted]			<0.010		
34	[redacted]			<0.010		
35	[redacted]			<0.010		
36	[redacted]			<0.010		
5	CCV			0.00502	mg/L	100.4
1	CCB			<0.0002		
37	[redacted]			<0.010	mg/kg	
38	[redacted]			<0.010		
39	[redacted]			<0.010		
40	[redacted]			<0.010		
41	MB 20020620 S1	46450		<0.010		
42	LCS 20020620 S1	46451		0.2381		95
43	CH Hill 20020620001			<0.010		
44	20020620001 D	46453		<0.010		
45	20020620001 MS	46452		0.2322		93
46	20020620001 MSD	46454		0.2336		95
5	CCV			0.00494	mg/L	99
1	CCB			<0.0002		
47	20020620002			<0.010	mg/kg	
48	[redacted]			<0.010		
49	[redacted]			<0.010		
50						
51						
52						
53						
54						
55						
56						
5	CCV			0.00476	mg/L	
1	CCB			<0.0002		95

CONTROL LIMITS

QC: 95% - 105%
ICV: 90% - 110%
CCV: 80%-120%
LCS: 80%- 120%

COMMENTS: BATCH 1253

Calibration ID: 20020620 S

Secondary Review: SMB

Go to page 2

Seq. No.	1	AS Loc:	1	Date:	06/20/2002			
Sample ID:	Calib Blk 1							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0003	0.0013	62.6344	0.0003	4.1756	11:57:43
			0.0003	0.0014	62.6358	0.0003	4.1757	11:58:14
Auto-zero performed.								
Mean:			0.0003					
SD:			0.00001					
%RSD:			1.77					

Seq. No.	2	AS Loc:	2	Date:	06/20/2002			
Sample ID:	Standard 1							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0022	0.0141	62.6333	0.0025	4.1755	11:59:26
			0.0020	0.0122	62.6301	0.0023	4.1753	11:59:56
[Hg] Standard number 1 applied. [0.2000]								
Correlation Coefficient: 1.00000		Slope: 0.01054						
Intercept : 0.00000								
Mean:			0.0021					
SD:			0.00013					
%RSD:			6.28					

Seq. No.	3	AS Loc:	3	Date:	06/20/2002			
Sample ID:	Standard 2							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0052	0.0312	62.6289	0.0056	4.1753	12:01:09
			0.0049	0.0279	62.6243	0.0053	4.1749	12:01:39
[Hg] Standard number 2 applied. [0.5000]								
Correlation Coefficient: 0.99987		Slope: 0.01017						
Intercept : 0.00003								
Mean:			0.0051					
SD:			0.00022					
%RSD:			4.31					

Seq. No.	4	AS Loc:	4	Date:	06/20/2002			
Sample ID:	Standard 3							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0201	0.1140	62.6243	0.0204	4.1749	12:02:54
			0.0190	0.1026	62.6118	0.0193	4.1741	12:03:24
[Hg] Standard number 3 applied. [2.000]								
Correlation Coefficient: 0.99993		Slope: 0.00971						
Intercept : 0.00012								
Mean:			0.0195					
SD:			0.00077					
%RSD:			3.94					

Seq. No.	5	AS Loc:	5	Date:	06/20/2002			
Sample ID:	Standard 4							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0481	0.2694	62.6175	0.0484	4.1745	12:04:42
			0.0448	0.2403	62.5903	0.0451	4.1727	12:05:13
[Hg] Standard number 4 applied. [5.000]								
Correlation Coefficient: 0.99981		Slope: 0.00927						
Intercept : 0.00036								
Mean:			0.0465					

SD:		0.00236
%RSD:		5.09

Seq. No. 6 AS Loc: 6 Date: 06/20/2002
Sample ID: Standard 5

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0966	0.5390	62.6104	0.0969	4.1740	12:06:31
			0.0904	0.4815	62.5548	0.0907	4.1703	12:07:01

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99995 Slope: 0.00931
Intercept : 0.00031

Mean:			0.0935
SD:			0.00439
%RSD:			4.69

Seq. No. 7 AS Loc: 5 Date: 06/20/2002
Sample ID: QC

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00565mg/L	5.649µg/L	0.0529	0.2796	62.5788	0.0532	4.1719	12:37:44
	0.00504mg/L	5.040µg/L	0.0472	0.2483	62.5571	0.0475	4.1705	12:38:16

QC value within specified limits.

Mean:	0.00534mg/L	5.344µg/L	0.0501
SD:	0.00043mg/L	0.4306µg/L	0.00401
%RSD:	8.06		8.01

Seq. No. 8 AS Loc: 9 Date: 06/20/2002
Sample ID: 1600

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00521mg/L	5.206µg/L	0.0488	0.2700	62.5789	0.0491	4.1719	12:39:29
	0.00465mg/L	4.646µg/L	0.0436	0.2276	62.5490	0.0439	4.1699	12:39:58

QC value within specified limits.

Mean:	0.00493mg/L	4.926µg/L	0.0462
SD:	0.00040mg/L	0.3965µg/L	0.00369
%RSD:	8.05		7.99

Seq. No. 9 AS Loc: 1 Date: 06/20/2002
Sample ID: 1700

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00016mg/L	0.1591µg/L	0.0018	0.0127	62.5765	0.0021	4.1718	12:41:10
	-0.00003mg/L	-0.03195µg/L	0.0000	0.0014	62.5764	0.0003	4.1718	12:41:40

QC value within specified limits.

Mean:	0.00006mg/L	0.06360µg/L	0.0009
SD:	0.00014mg/L	0.1351µg/L	0.00126
%RSD:	212.46		138.89

Seq. No. 10 AS Loc: 5 Date: 06/20/2002
Sample ID: 1800

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00514mg/L	5.145µg/L	0.0482	0.2674	62.5783	0.0485	4.1719	12:42:53
	0.00484mg/L	4.842µg/L	0.0454	0.2397	62.5491	0.0457	4.1700	12:43:23

QC value within specified limits.

Mean:	0.00499mg/L	4.994µg/L	0.0468
SD:	0.00021mg/L	0.2141µg/L	0.00199
%RSD:	4.29		4.26

Seq. No.	11	AS Loc:	1	Date:	06/20/2002			
Sample ID:	1900							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00025mg/L	0.2501µg/L	0.0026	0.0181	62.5761	0.0030	4.1717	12:44:36
	-0.00003mg/L	-0.02864µg/L	0.0000	0.0014	62.5751	0.0004	4.1717	12:45:06
QC value within specified limits.								
Mean:	0.00011mg/L	0.1107µg/L	0.0013					
SD:	0.00020mg/L	0.1971µg/L	0.00183					
%RSD:	178.01		136.48					

Seq. No.	12	AS Loc:	17	Date:	06/20/2002			
Sample ID:	46313							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.2905mg/kg	5.810µg/L	0.0544	0.3040	62.5774	0.0547	4.1718	12:46:17
	0.2722mg/kg	5.444µg/L	0.0510	0.2725	62.5445	0.0513	4.1696	12:46:46
Mean:	0.2813mg/kg	5.627µg/L	0.0527					
SD:	0.01295mg/kg	0.2590µg/L	0.00241					
%RSD:	4.60		4.58					

Seq. No.	13	AS Loc:	18	Date:	06/20/2002			
Sample ID:	46314							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.01751mg/kg	0.3503µg/L	0.0036	0.0237	62.5737	0.0039	4.1716	12:47:58
	0.00190mg/kg	0.03798µg/L	0.0007	0.0047	62.5718	0.0010	4.1715	12:48:28
Mean:	0.00971mg/kg	0.1941µg/L	0.0021					
SD:	0.01104mg/kg	0.2208µg/L	0.00206					
%RSD:	113.76		96.93					

Seq. No.	14	AS Loc:	19	Date:	06/20/2002			
Sample ID:	20206190121							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00120mg/kg	0.02403µg/L	0.0005	0.0047	62.5751	0.0009	4.1717	12:49:39
	0.00071mg/kg	0.01417µg/L	0.0004	0.0037	62.5739	0.0008	4.1716	12:50:09
Mean:	0.00095mg/kg	0.01910µg/L	0.0005					
SD:	0.00035mg/kg	0.00698µg/L	0.00006					
%RSD:	36.53		13.22					

Seq. No.	15	AS Loc:	20	Date:	06/20/2002			
Sample ID:	46316							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00173mg/kg	0.03467µg/L	0.0006	0.0053	62.5740	0.0010	4.1716	12:51:20
	0.00127mg/kg	0.02546µg/L	0.0006	0.0046	62.5717	0.0009	4.1714	12:51:50
Mean:	0.00150mg/kg	0.03007µg/L	0.0006					
SD:	0.00033mg/kg	0.00651µg/L	0.00006					
%RSD:	21.66		10.21					

Seq. No.	16	AS Loc:	21	Date:	06/20/2002			
Sample ID:	46315							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.2732mg/kg	5.464µg/L	0.0512	0.2840	62.5706	0.0515	4.1714	12:53:03
	0.2665mg/kg	5.330µg/L	0.0499	0.2643	62.5397	0.0502	4.1693	12:53:32
Mean:	0.2699mg/kg	5.397µg/L	0.0506					
SD:	0.00474mg/kg	0.09472µg/L	0.00088					

%RSD: 1.75 1.74

Seq. No. 17 AS Loc: 22 Date: 06/20/2002
Sample ID: 20206190122

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.01675mg/kg	0.3349µg/L	0.0034	0.0227	62.5660	0.0037	4.1711	12:54:45
	0.00121mg/kg	0.02410µg/L	0.0005	0.0039	62.5648	0.0009	4.1710	12:55:16
Mean:	0.00898mg/kg	0.1795µg/L	0.0020					
SD:	0.01099mg/kg	0.2198µg/L	0.00205					
%RSD:	122.43		103.09					

Seq. No. 18 AS Loc: 23 Date: 06/20/2002
Sample ID: 20206190123

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00146mg/kg	0.02929µg/L	0.0006	0.0049	62.5674	0.0009	4.1712	12:56:29
	0.00096mg/kg	0.01926µg/L	0.0005	0.0041	62.5669	0.0008	4.1711	12:56:58
Mean:	0.00121mg/kg	0.02427µg/L	0.0005					
SD:	0.00035mg/kg	0.00710µg/L	0.00007					
%RSD:	29.24		12.24					

Seq. No. 19 AS Loc: 24 Date: 06/20/2002
Sample ID: 20206190124

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00111mg/kg	0.02218µg/L	0.0005	0.0045	62.5671	0.0008	4.1711	12:58:12
	0.00072mg/kg	0.01430µg/L	0.0004	0.0037	62.5661	0.0008	4.1711	12:58:42
Mean:	0.00091mg/kg	0.01824µg/L	0.0005					
SD:	0.00028mg/kg	0.00557µg/L	0.00005					
%RSD:	30.52		10.72					

Seq. No. 20 AS Loc: 25 Date: 06/20/2002
Sample ID: 20206190125

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00109mg/kg	0.02170µg/L	0.0005	0.0045	62.5660	0.0008	4.1711	12:59:57
	0.00081mg/kg	0.01618µg/L	0.0005	0.0040	62.5646	0.0008	4.1710	13:00:27
Mean:	0.00095mg/kg	0.01894µg/L	0.0005					
SD:	0.00020mg/kg	0.00390µg/L	0.00004					
%RSD:	20.59		7.41					

Seq. No. 21 AS Loc: 26 Date: 06/20/2002
Sample ID: 20206190126

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00138mg/kg	0.02754µg/L	0.0006	0.0049	62.5646	0.0009	4.1710	13:01:41
	0.00103mg/kg	0.02066µg/L	0.0005	0.0042	62.5637	0.0008	4.1709	13:02:11
Mean:	0.00120mg/kg	0.02410µg/L	0.0005					
SD:	0.00024mg/kg	0.00487µg/L	0.00005					
%RSD:	20.20		8.42					

Seq. No. 22 AS Loc: 5 Date: 06/20/2002
Sample ID: 1800

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00506mg/L	5.061µg/L	0.0474	0.2624	62.5659	0.0477	4.1710	13:03:27
	0.00486mg/L	4.855µg/L	0.0455	0.2388	62.5374	0.0458	4.1692	13:03:57
QC value within specified limits.								
Mean:	0.00496mg/L	4.958µg/L	0.0465					

SD:	0.00015mg/L	0.1458µg/L	0.00136
%RSD:	2.94		2.92

Seq. No. 23 AS Loc: 1 Date: 06/20/2002
Sample ID: 1900

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00028mg/L	0.2785µg/L	0.0029	0.0199	62.5625	0.0032	4.1708	13:05:11
	-0.00003mg/L	-0.03385µg/L	-0.0000	0.0009	62.5623	0.0003	4.1708	13:05:41

QC value within specified limits.

Mean:	0.00012mg/L	0.1223µg/L	0.0015
SD:	0.00022mg/L	0.2209µg/L	0.00206
%RSD:	180.56		141.57

Seq. No. 24 AS Loc: 27 Date: 06/20/2002
Sample ID: 20206190127

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00101mg/kg	0.02023µg/L	0.0005	0.0044	62.5671	0.0008	4.1711	13:06:53
	0.00047mg/kg	0.00936µg/L	0.0004	0.0035	62.5669	0.0007	4.1711	13:07:24

Mean:	0.00074mg/kg	0.01479µg/L	0.0005
SD:	0.00038mg/kg	0.00769µg/L	0.00007
%RSD:	51.97		15.86

Seq. No. 25 AS Loc: 28 Date: 06/20/2002
Sample ID: 20206190128

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00048mg/kg	0.00957µg/L	0.0004	0.0038	62.5692	0.0007	4.1713	13:08:39
	-0.00001mg/kg	-0.00023µg/L	0.0003	0.0029	62.5692	0.0006	4.1713	13:09:09

Mean:	0.00023mg/kg	0.00467µg/L	0.0004
SD:	0.00035mg/kg	0.00693µg/L	0.00006
%RSD:	148.39		18.06

Seq. No. 26 AS Loc: 29 Date: 06/20/2002
Sample ID: 20206190129

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00036mg/kg	0.00729µg/L	0.0004	0.0036	62.5720	0.0007	4.1715	13:10:26
	-0.00012mg/kg	-0.00249µg/L	0.0003	0.0027	62.5729	0.0006	4.1715	13:10:56

Mean:	0.00012mg/kg	0.00240µg/L	0.0003
SD:	0.00035mg/kg	0.00691µg/L	0.00006
%RSD:	288.09		19.15

Seq. No. 27 AS Loc: 30 Date: 06/20/2002
Sample ID: 20206190130

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00043mg/kg	0.00867µg/L	0.0004	0.0035	62.5775	0.0007	4.1718	13:12:12
	0.00013mg/kg	0.00266µg/L	0.0003	0.0030	62.5786	0.0007	4.1719	13:12:41

Mean:	0.00028mg/kg	0.00566µg/L	0.0004
SD:	0.00021mg/kg	0.00425µg/L	0.00004
%RSD:	75.09		10.80

Seq. No. 28 AS Loc: 31 Date: 06/20/2002
Sample ID: 20206190131

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.00024mg/kg	-0.00475µg/L	0.0003	0.0030	62.5845	0.0006	4.1723	13:13:59
	-0.00034mg/kg	-0.00679µg/L	0.0003	0.0027	62.5855	0.0006	4.1724	13:14:29

Mean:	-0.00029mg/kg	-0.00577µg/L	0.0003
SD:	0.00007mg/kg	0.00144µg/L	0.00001
%RSD:	25.00		5.16

Seq. No. 29 AS Loc: 32 Date: 06/20/2002
Sample ID: 20206190132

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00042mg/kg	0.00848µg/L	0.0004	0.0037	62.5903	0.0007	4.1727	13:15:43
	0.00005mg/kg	0.00102µg/L	0.0003	0.0029	62.5912	0.0006	4.1727	13:16:13
Mean:	0.00024mg/kg	0.00475µg/L	0.0004					
SD:	0.00026mg/kg	0.00527µg/L	0.00005					
%RSD:	110.97		13.72					

Seq. No. 30 AS Loc: 33 Date: 06/20/2002
Sample ID: 20206190133

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00038mg/kg	0.00751µg/L	0.0004	0.0037	62.5949	0.0007	4.1730	13:17:22
	-0.00018mg/kg	-0.00361µg/L	0.0003	0.0028	62.5949	0.0006	4.1730	13:17:51
Mean:	0.00010mg/kg	0.00195µg/L	0.0003					
SD:	0.00039mg/kg	0.00786µg/L	0.00007					
%RSD:	403.62		22.06					

Seq. No. 31 AS Loc: 34 Date: 06/20/2002
Sample ID: 20206190134

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00119mg/kg	0.02379µg/L	0.0005	0.0046	62.5989	0.0009	4.1732	13:19:02
	0.00086mg/kg	0.01728µg/L	0.0005	0.0038	62.5980	0.0008	4.1732	13:19:31
Mean:	0.00103mg/kg	0.02054µg/L	0.0005					
SD:	0.00023mg/kg	0.00460µg/L	0.00004					
%RSD:	22.39		8.48					

Seq. No. 32 AS Loc: 35 Date: 06/20/2002
Sample ID: 20206190135

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00056mg/kg	0.01129µg/L	0.0004	0.0037	62.6012	0.0007	4.1734	13:20:43
	0.00029mg/kg	0.00574µg/L	0.0004	0.0032	62.6017	0.0007	4.1735	13:21:13
Mean:	0.00043mg/kg	0.00852µg/L	0.0004					
SD:	0.00020mg/kg	0.00392µg/L	0.00004					
%RSD:	46.04		9.29					

Seq. No. 33 AS Loc: 36 Date: 06/20/2002
Sample ID: 20206190136

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00095mg/kg	0.01902µg/L	0.0005	0.0043	62.6047	0.0008	4.1736	13:22:24
	0.00052mg/kg	0.01041µg/L	0.0004	0.0034	62.6040	0.0007	4.1736	13:22:55
Mean:	0.00074mg/kg	0.01471µg/L	0.0005					
SD:	0.00030mg/kg	0.00609µg/L	0.00006					
%RSD:	41.39		12.58					

Seq. No. 34 AS Loc: 5 Date: 06/20/2002
Sample ID: 1800

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00521mg/L	5.209µg/L	0.0488	0.2695	62.6061	0.0491	4.1737	13:24:09
	0.00483mg/L	4.828µg/L	0.0453	0.2320	62.5761	0.0456	4.1717	13:24:39

QC value within specified limits.

Mean:	0.00502mg/L	5.018µg/L	0.0470
SD:	0.00027mg/L	0.2697µg/L	0.00251
%RSD:	5.37		5.34

Seq. No. 35 AS Loc: 1 Date: 06/20/2002
Sample ID: 1900

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00027mg/L	0.2738µg/L	0.0029	0.0192	62.6046	0.0032	4.1736	13:25:52
	-0.00003mg/L	-0.03291µg/L	0.0000	0.0009	62.6038	0.0003	4.1736	13:26:22

QC value within specified limits.

Mean:	0.00012mg/L	0.1204µg/L	0.0014
SD:	0.00022mg/L	0.2169µg/L	0.00202
%RSD:	180.06		140.70

Seq. No. 36 AS Loc: 37 Date: 06/20/2002
Sample ID: 20206190137

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00033mg/kg	0.00660µg/L	0.0004	0.0035	62.6072	0.0007	4.1738	13:27:34
	-0.00004mg/kg	-0.00083µg/L	0.0003	0.0029	62.6073	0.0006	4.1738	13:28:04
Mean:	0.00014mg/kg	0.00288µg/L	0.0003					
SD:	0.00026mg/kg	0.00526µg/L	0.00005					
%RSD:	182.38		14.37					

Seq. No. 37 AS Loc: 38 Date: 06/20/2002
Sample ID: 20206190138

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00087mg/kg	0.01732µg/L	0.0005	0.0041	62.6106	0.0008	4.1740	13:29:17
	0.00044mg/kg	0.00878µg/L	0.0004	0.0034	62.6106	0.0007	4.1740	13:29:47
Mean:	0.00065mg/kg	0.01305µg/L	0.0004					
SD:	0.00030mg/kg	0.00604µg/L	0.00006					
%RSD:	46.28		12.92					

Seq. No. 38 AS Loc: 39 Date: 06/20/2002
Sample ID: 20206190139

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00069mg/kg	0.01389µg/L	0.0004	0.0041	62.6120	0.0008	4.1741	13:31:01
	0.00031mg/kg	0.00613µg/L	0.0004	0.0034	62.6109	0.0007	4.1741	13:31:30
Mean:	0.00050mg/kg	0.01001µg/L	0.0004					
SD:	0.00027mg/kg	0.00549µg/L	0.00005					
%RSD:	54.88		12.57					

Seq. No. 39 AS Loc: 40 Date: 06/20/2002
Sample ID: 20206190140

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00065mg/kg	0.01299µg/L	0.0004	0.0038	62.6128	0.0008	4.1742	13:32:44
	0.00062mg/kg	0.01242µg/L	0.0004	0.0034	62.6129	0.0007	4.1742	13:33:14
Mean:	0.00064mg/kg	0.01271µg/L	0.0004					
SD:	0.00002mg/kg	0.00041µg/L	0.00000					
%RSD:	3.22		0.88					

Seq. No.	40	AS Loc:	41	Date:	06/20/2002			
Sample ID:	45450							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00146mg/kg	0.02922µg/L	0.0006	0.0051	62.6150	0.0009	4.1743	13:34:28
	0.00081mg/kg	0.01612µg/L	0.0005	0.0037	62.6140	0.0008	4.1743	13:34:57
Mean:	0.00113mg/kg	0.02267µg/L	0.0005					
SD:	0.00046mg/kg	0.00926µg/L	0.00009					
%RSD:	40.86		16.43					

Seq. No.	41	AS Loc:	42	Date:	06/20/2002			
Sample ID:	46451							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.2481mg/kg	4.961µg/L	0.0465	0.2537	62.6164	0.0468	4.1744	13:36:11
	0.2282mg/kg	4.563µg/L	0.0428	0.2216	62.5877	0.0431	4.1725	13:36:41
Mean:	0.2381mg/kg	4.762µg/L	0.0446					
SD:	0.01407mg/kg	0.2815µg/L	0.00262					
%RSD:	5.91		5.87					

Seq. No.	42	AS Loc:	43	Date:	06/20/2002			
Sample ID:	20206200201							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00745mg/kg	0.1489µg/L	0.0017	0.0113	62.6178	0.0020	4.1745	13:37:57
	0.00218mg/kg	0.04359µg/L	0.0007	0.0048	62.6189	0.0010	4.1746	13:38:27
Mean:	0.00481mg/kg	0.09625µg/L	0.0012					
SD:	0.00372mg/kg	0.07447µg/L	0.00069					
%RSD:	77.37		57.31					

Seq. No.	43	AS Loc:	44	Date:	06/20/2002			
Sample ID:	46453							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00291mg/kg	0.05824µg/L	0.0009	0.0062	62.6267	0.0012	4.1751	13:39:42
	0.00204mg/kg	0.04080µg/L	0.0007	0.0046	62.6278	0.0010	4.1752	13:40:12
Mean:	0.00248mg/kg	0.04952µg/L	0.0008					
SD:	0.00062mg/kg	0.01233µg/L	0.00011					
%RSD:	24.90		14.82					

Seq. No.	44	AS Loc:	45	Date:	06/20/2002			
Sample ID:	46452							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.2382mg/kg	4.764µg/L	0.0447	0.2431	62.6324	0.0450	4.1755	13:41:28
	0.2262mg/kg	4.523µg/L	0.0424	0.2201	62.6049	0.0427	4.1737	13:41:58
Mean:	0.2322mg/kg	4.643µg/L	0.0435					
SD:	0.00850mg/kg	0.1701µg/L	0.00158					
%RSD:	3.66		3.64					

Seq. No.	45	AS Loc:	46	Date:	06/20/2002			
Sample ID:	46454							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.2523mg/kg	5.046µg/L	0.0473	0.2601	62.6312	0.0476	4.1754	13:43:14
	0.2248mg/kg	4.497µg/L	0.0422	0.2183	62.6026	0.0425	4.1735	13:43:44
Mean:	0.2386mg/kg	4.772µg/L	0.0447					
SD:	0.01942mg/kg	0.3883µg/L	0.00362					
%RSD:	8.14		8.08					

Seq. No.	46	AS Loc:	5	Date:	06/20/2002			
Sample ID:	1800							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00526mg/L	5.263µg/L	0.0493	0.2680	62.6347	0.0496	4.1757	13:45:00
	0.00462mg/L	4.623µg/L	0.0434	0.2226	62.6049	0.0437	4.1737	13:45:30
QC value within specified limits.								
Mean:	0.00494mg/L	4.943µg/L	0.0463					
SD:	0.00045mg/L	0.4526µg/L	0.00421					
%RSD:	9.16		9.09					

Seq. No.	47	AS Loc:	1	Date:	06/20/2002			
Sample ID:	1900							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00022mg/L	0.2212µg/L	0.0024	0.0160	62.6355	0.0027	4.1757	13:46:43
	-0.00003mg/L	-0.02705µg/L	0.0001	0.0013	62.6355	0.0004	4.1757	13:47:13
QC value within specified limits.								
Mean:	0.00010mg/L	0.09707µg/L	0.0012					
SD:	0.00018mg/L	0.1755µg/L	0.00163					
%RSD:	180.83		134.24					

Seq. No.	48	AS Loc:	47	Date:	06/20/2002			
Sample ID:	20206200202							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00429mg/kg	0.08571µg/L	0.0011	0.0076	62.6367	0.0014	4.1758	13:48:26
	0.00399mg/kg	0.07981µg/L	0.0011	0.0069	62.6355	0.0014	4.1757	13:48:56
Mean:	0.00414mg/kg	0.08276µg/L	0.0011					
SD:	0.00021mg/kg	0.00417µg/L	0.00004					
%RSD:	5.03		3.58					

Seq. No.	49	AS Loc:	48	Date:	06/20/2002			
Sample ID:	20206190141							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00088mg/kg	0.01768µg/L	0.0005	0.0043	62.6381	0.0008	4.1759	13:50:09
	0.00032mg/kg	0.00644µg/L	0.0004	0.0033	62.6360	0.0007	4.1757	13:50:39
Mean:	0.00060mg/kg	0.01206µg/L	0.0004					
SD:	0.00040mg/kg	0.00795µg/L	0.00007					
%RSD:	65.90		17.37					

Seq. No.	50	AS Loc:	49	Date:	06/20/2002			
Sample ID:	20206190142							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00060mg/kg	0.01198µg/L	0.0004	0.0038	62.6360	0.0007	4.1757	13:51:48
	0.00011mg/kg	0.00217µg/L	0.0003	0.0031	62.6356	0.0006	4.1757	13:52:18
Mean:	0.00035mg/kg	0.00707µg/L	0.0004					
SD:	0.00035mg/kg	0.00694µg/L	0.00006					
%RSD:	98.09		17.02					

Seq. No.	51	AS Loc:	5	Date:	06/20/2002			
Sample ID:	1800							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00478mg/L	4.778µg/L	0.0448	0.2415	62.6344	0.0451	4.1756	13:53:32
	0.00474mg/L	4.740µg/L	0.0444	0.2262	62.6026	0.0447	4.1735	13:54:01

QC value within specified limits.

Mean:	0.00476mg/L	4.759µg/L	0.0446
SD:	0.00003mg/L	0.02719µg/L	0.00025
%RSD:	0.57		0.57

Seq. No. 52 AS Loc: 1 Date: 06/20/2002

Sample ID: 1900

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.00026mg/L	0.2557µg/L	0.0027	0.0177	62.6338	0.0030	4.1756	13:55:15
	-0.00003mg/L	-0.02863µg/L	0.0000	0.0013	62.6344	0.0004	4.1756	13:55:44

QC value within specified limits.

Mean:	0.00011mg/L	0.1135µg/L	0.0014
SD:	0.00020mg/L	0.2010µg/L	0.00187
%RSD:	177.09		136.56

ACID DIGESTION OF SOLID SAMPLES

PREP METHOD: ICP 3050B
GFAA 3050B
HG 7471A

MOD BLOCK ID: A

DATE: 6-20-02
TIME: 10:15
ANALYST: AEL

CLIENT	GCAL ID	ICP INITIAL WEIGHT (g)	ICP FINAL VOLUME (ml)	GFAA INITIAL WEIGHT (g)	GFAA FINAL VOLUME (ml)	HG INITIAL WEIGHT (g)	HG FINAL VOLUME (ml)
		2513					2514
20020620 51	MB	2.50	100	2.50	100	0.60	30
20020620 51	LCS	2.50	100	2.50	100	0.60	30
CH2M Hill	20020620020 1	2.50				0.60	
	20020620020 1D	2.50				0.60	
	20020620020 1MS	2.50				0.60	
	20020620020 1MSD	2.50				0.60	
	20020620020 2	2.50				0.60	
[redacted]	[redacted]	2.50				0.60	
	[redacted]	2.50				0.60	

	ID/LOT NO.	VOLUME ADDED (uL)
ICP Spike	334-3-3	1000
GFAA Spike	—	1000
HG Spike	100-5C-5	150
HG ICV	—	
H2SO4	—	
KMNO4	334-4-12	
K2S2O6	—	
HCl	334-4-16	
HNO3	334-4-17	
H2O2	334-2-6	

MERCURY CALIBRATION ID: _____
0.1 ppm CCV working solution: _____
0.1 ppm ICV working solution: _____

Calib. Blk	Conc. (ug/L)	Spk. Added	Final volume
Standard 1	0.20	60 uL	30 mL
Standard 2	0.50	150 uL	30 mL
Standard 3	2.00	600 uL	30 mL
Standard 4	5.00	1500 uL	30 mL
Standard 5	10.0	3000 uL	30 mL
ICV	5.00	1500 uL	30 mL

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ICSA	100-54-1	Int A	SPEX	20-162AS 11-15-02	8ml	200ml	Varied	102-3-6	PJO	6-6-02	7-6-02
ICSAB	100-54-2	Int A	SPEX	20-162AS 11-15-02	8ml	200ml	Varied	102-3-6	PJO	6-6-02	7-6-02
"	"	ANALYTE B	"	20-79AS 11-30-02	2ml	200ml	"	"	"	"	"
"	"	ALT ANALYTE B	"	17-144AS 2-28-03	2ml	200ml	"	"	"	"	"
ICV 1	100-54-3	21 Ele. mix CPI mix	CPI	0K5054 5-6-03	2ml	200ml	1.00ppm	102-3-16	JAC	6-7-02	7-7-02
↓	↓	1000ppm Ag	Spex	8-45AG-Y 6-15-03	200ml	↓	↓	↓	↓	↓	↓
↓	↓	1000ppm Ce	CPI	1LF042 6-12-03	200ml	↓	↓	↓	↓	↓	↓
ICV 2	100-54-4	1000 ppm Al	Spex	8-132AL 1-30-03	2ml	200ml	varied	102-3-16	JAC	6-7-02	7-7-02
↓	↓	B	↓	8-5B 9-15-02	1ml	↓	↓	↓	↓		
↓	↓	BA	↓	8-92BA 10-31-02	200ml	↓	↓	↓	↓		
↓	↓	NA	↓	8-165NA 3-30-03	2ml	↓	↓	↓	↓		
↓	↓	10,000 Sn	CPI	1FM085 4-18-03	20ml	↓	↓	↓	↓		
↓	↓	1000 Zr	Spex	8-175ZR 12-30-02	200ml	↓	↓	↓	↓		
↓	↓	K	↓	8-33K-Y 10-31-02	2ml	↓	↓	↓	↓		
STD 1	100-54-5 JAC 6-1-02	CCAL1-1	inorganic Ventures	5-MCB126044 5-1-03	2ml	200ml	Varied	102-3-16	JAC	6-7-02	7-7-02
↓	↓	1000 ppm Ce	CPI	1KM105 7-7-03	200ml	↓	↓	↓	↓	↓	↓

000639

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
STD 2	100-SS-1	GCALI-2	inorganic ventures	5-1-03 SMeB126045	2ml	200ml	varied	102-3-16	JAC	6-7-02	7-7-02
		1000ppm P	CPI	11M062 7-30-03	2ml						
		1000ppm Si	CPI	2AT145 7-30-03	2ml						
STD 1	100-SS-2	GCALI-1	inorganic ventures	6-1-03 SMeB126044	2ml	200ml	varied	102-3-16	JAC	6-7-02	7-7-02
		1000ppm Ce	CPI	1KM105 6-7-03	200ul						
ICSAB	100-SS-3	Int A	SPEX	20-167 AS 11-15-02	2ml	200ml	Varied	102-3-16	JAC	6-7-02	7-7-02
		Analyte B		20-79 AS 11-30-02	2ml						
		Alt. Analyte B		17-144 AS 2-28-03	2ml						
3020 Spk	100-SS-4	1000ppm AS	Spex	8-154 AS 10-31-02	200ul	50ml	4 ppm	102-3-16	JAC	6-10-02	7-10-02
		Se		8-44 Se 10-31-02	200 ul						
		Tl	Solutions	010508 5-03	250 ul		5 ppm				
TL STD	100-55-4	1000ppm Tl	Solutions	010508 5-03	100 ul ~~50 ul~~ PJO	100ml	1.0ppm	2% HNO3 102-215	PJO	6-11-02	7-11-02 PJO
ICP oil Spike	100-SS-5	Custom Blend	conostan	010205	1.0000	10.0026	1ppm	75 Baseoil Lot 44 mineral oil 010931	AEZ	6-11-02	7-11-02
As/Se oil Spike	100-SS-6	100 ppm As		17012	0.0999	10.0012					
		100 ppm Se		14013	0.0999						
Hg oil Spike	100-SS-7	100 ppm Hg		14916	0.1001	10.0000					
				VOID	JAC 6-12-02						

000640

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
STD 1	100-56-1	GCALI-1	inorganic Ventures	S-meB126044 2-1-03	2ml	200ml	varied	102-3-16	JAC	6-12-02	7-12-02
↓	↓	1000 ppm Ce	CPI	1km105 6-7-03	200ul	↓	↓	↓	↓	↓	↓
STD 2	100-56-2	GCALI-2	inorganic Ventures	SMeB126045 5-1-03	2ml	200ml	varied	102-3-16	JAC	6-12-02	7-12-02
↓	↓	1000 ppm P	CPI	11m062 7-30-03	↓	↓	↓	↓	↓	↓	↓
↓	↓	1000 ppm Si	CPI	2AT145 7-30-03	↓	↓	↓	↓	↓	↓	↓
STD 1	100-56-3	GCALI-1	IV	SMEB126044 2-1-03	2ml	200 ml	↓	↓	SMB2	6-14-02	7-14-02
↓	↓	1000 ppm Ce	CPI	1KM105 6-7-03	200uL	↓	↓	↓	↓	↓	↓
STD 2	100-56-4	GCALI-2	inorganic Ventures	S-meB126045 5-1-03	2ml	200ml	varied	102-4-10	JAC	6-18-02	7-18-02
↓	↓	1000 ppm P	CPI	11m062 7-30-03	↓	↓	↓	↓	↓	↓	
↓	↓	1000 ppm Si	CPI	2AT145 7-30-03	↓	↓	↓	↓	↓	↓	
Hg CCV	100-56-5	1000 ppm Hg	SPEX	8-179HG/ 1-15-03	100ul	100ml	1.00ppm	102-4-10	PJO	6-20-02	7-20-02
Hg ICV	100-56-6	1000ppm Hg	CPI	1JM110/ 12-10-03	100ul	100ml	1.00ppm	102-4-10	PJO	6-20-02	7-20-02
STD 1	100-56-7	GCALI-1	inorganic Ventures	S-meB126044 2-1-03	2ml	200ml	varied	102-4-10	JAC	6-20-02	7-20-02
↓	↓	1000 ppm Ce	CPI	1km105 7-7-03	200ul	↓	↓	↓	↓	↓	↓
STD 2	100-56-8	GCALI-2	inorganic Ventures	S-meB126045 5-1-03	2ml	200ml	varied	102-4-10	JAC	6-20-02	7-20-02
↓	↓	1000 ppm P	CPI	11m062 7-30-03	↓	↓	↓	↓	↓	↓	↓
↓	↓	1000 ppm Si	CPI	2AT145 7-30-03	↓	↓	↓	↓	↓	↓	↓
VOID ~~JAC 6-20-02~~											

000641

STANDARD PREPARATION LOGBOOK

STANDARD NAME	STD#	STOCK STD	SUPPLIER	LOT#/ EXP DATE	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INITIAL	DATE PREPARED	EXP DATE
ICV 1	100-57-1	21 element mix	CPI	0K5054 5-8-03	2 ml	200 ml	1.00 ppm	102-4-10	JAC	6-20-02	7-20-02
↓	↓	1000 ppm Ag	Spex	8-45Ag-Y 1-15-03	200 ul	↓	↓	↓	↓	↓	↓
↓	↓	1000 ppm Ce	CPI	1LF042 6-12-03	200 ul	↓	↓	↓	↓	↓	↓
ICV 2	100-57-2	1000 ppm Al	Spex	8-132 Al 1-30-03	2 ml	200 ml	varied	102-4-10	JAC	6-22-02	7-22-02
↓	↓	B	↓	8-5 B 9-15-03	1 ml	↓	↓	↓	↓	↓	↓
↓	↓	BA	↓	8-92BA 10-31-02	200 ul	↓	↓	↓	↓	↓	↓
↓	↓	NA	↓	8-165NA 3-30-03	2 ml	↓	↓	↓	↓	↓	↓
↓	↓	10,000 Sn	CPI	1FM085 4-18-03	20 ul	↓	↓	↓	↓	↓	↓
↓	↓	1000 Zr	Spex	8-173Zr 12-30-02	200 ul	↓	↓	↓	↓	↓	↓
↓	↓	K	↓	8-33K-Y 10-31-02	2 ml	↓	↓	↓	↓	↓	↓
Hg ICV	100-57-3	1000 ppm Hg	CPI	1JM110/12-10-03	100 ul	100 ml	1.00 ppm	102-4-10	PJO	6-24-02	7-24-02
STD 1	100-57-4	GCAL1-1	inorganic ventures	S-Me3126044 2-1-03	2 ml	200 ml	varied	102-4-10	JAC	6-24-02	7-24-02
↓	↓	1000 ppm Ce	CPI	1KM105 6-7-03	200 ul	↓	↓	↓	↓	↓	↓
CIP spike 2	100-57-5	1000 ppm As	Spex	8-154As 10-31-02	400 ul	50 ml	8 ppm	102-4-10	JAC	6-25-02	7-25-02
↓	↓	Cd	↓	8-166CD 10-31-02	500 ul	↓	10	↓	↓	↓	↓
↓	↓	Pb	↓	8-73Pb 10-31-02	200 ul	↓	4	↓	↓	↓	↓
↓	↓	Se	↓	8-44Se 10-31-02	100 ul	↓	2	↓	↓	↓	↓
↓	↓	Tl	Solutions	010508 5-03	500 ul	↓	10	↓	↓	↓	↓

000642

000643

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
Hno3	334-2-1	conc. Hno3	Fisher	1101090					AEZ	3-20-02	3-20-03
AP 3-21-02 ~~Kmno4~~ Kmno4	334-2-2	Potassium Permanganate	Fisher	015188	100g	2000ml			AEZ	3-21-02	3-21-03
Hg ccv cali	334-2-3	1ppm Hg	in House	100-35-3	1ml	10ml	.1ppm		AEZ	3-25-02	4-25-02
Hg ICV cali	334-2-4	1ppm Hg	in House	100-35-4	1ml	10ml	.1ppm		AEZ	3-25-02	4-25-02
Hno3	334-2-5	conc. Hno3	Fisher	1101090					AEZ	3-26-02	3-26-03
H2O2	334-2-6	Hydrogen Peroxide	Fisher	011435					AEZ	3-26-02	3-26-03
~~K2S2O6~~	~~334-2-7~~	Potassium Persulfate	~~Fisher~~	~~016400~~					~~AEZ~~	~~3-27-02~~	~~3-27-03~~
K2S2O6	334-2-8	Potassium Persulfate	Fisher	016400	100g	2000ml			AEZ	3-27-02	3-27-03
Hno3	334-2-9	conc. Hno3	Fisher	1101080					AEZ	4-3-02	4-3-03
Hno3	334-2-10	conc. Hno3	Fisher	1101090					AEZ	4-5-02	4-5-03
Hno3	334-2-11	conc. Hno3	Fisher	1101090					AEZ	4-9-02	4-9-03
Hg cali ccv	334-2-12	1ppm Hg	in House	100-35-3	1ml	10ml	.1ppm		AEZ	4-9-02	5-9-02
Hg cali ICV	334-2-13	1ppm Hg	in House	100-35-4	1ml	10ml	.1ppm		AEZ	4-9-02	5-9-02
Hno3	334-2-14	conc. Hno3	Fisher	1101090					AEZ	4-11-02	4-11-03
HCL	334-2-15	conc. HCL	Fisher	4101080					AEZ	4-11-02	4-11-03
Hno3	334-2-16	conc. Hno3	Fisher	1101090					AEZ	4-17-02	4-17-03
Hg cali ccv	334-2-17	1ppm Hg	in House	100-43-5	1ml	10ml	.1ppm		AEZ	4-19-02	5-19-02
Hg cali ICV	334-2-18	1ppm Hg	in House	100-43-6	1ml	10ml	.1ppm		AEZ	4-19-02	5-19-02
Kmno4	334-2-19	Potassium Permanganate	Fisher	005485	100g	2000ml			AEZ	4-22-02	4-22-03
Hg cali ccv	334-2-20	1ppm Hg	in House	100-43-5	1ml	10ml	.1ppm		AEZ	4-24-02	5-24-02
Hg cali ICV	334-2-21	1ppm Hg	in House	100-43-6	1ml	10ml	.1ppm		AEZ	4-24-02	5-24-02

REAG LOG 1-6-95

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL g/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
Hg cali ccv	334-3-1	1ppm Hg	in House	100-43-5	1 ml	10 ml	.1ppm		AEL	4-30-02	5-30-02
Hg cali ICV	334-3-2	1ppm Hg	in House	100-43-6	1 ml	10 ml	.1ppm		AEL	4-30-02	5-30-02
Tspike Gcal-1	334-3-3	~~Inorganic~~ Inorganic ventures 3080 spike	Inorganic Ventures	S-MEB1260-14					AEL	5-2-02	5-1-03
Tspike Gcal-2	↓	↓		S-MEB1260-15					↓	↓	↓
Hg cali ccv 0.2	334-3-4	1ppm Hg	in House	100-43-5	20 ul	100 ml			AEL	5-3-02	6-3-02
0.5	334-3-5				50 ul	100 ml					
1.0	334-3-6				100 ul	100 ml					
5.0	334-3-7				500 ul	100 ml					
10.0	334-3-8			↓	1000 ul	100 ml					
Hg cali ICV 5.0	334-3-9	↓	↓	100-43-6	500 ul	100 ml			↓	↓	↓
Hno3	334-3-10	conc. Hno3	Fisher	1101110					AEL	5-6-02	5-6-03
Hno3	334-3-11	conc. Hno3	Fisher	1101110					AEL	5-8-02	5-8-03
Kmno4	334-3-12	Potassium Permanganate	Fisher	005485	100 g	2000 ml			AEL	5-9-02	5-9-03
HCL	334-3-13	conc. HCL	Fisher	4101080					AEL	5-14-02	5-14-03
Hno3	334-3-14	conc. Hno3	Fisher	1101090					AEL	5-14-02	5-14-03
Hg cali ccv	334-3-15	1ppm Hg	in House	100-43-5	1 ml	10 ml	.1ppm		AEL	5-14-02	6-14-02
Hg cali ICV	334-3-16	1ppm Hg	in House	100-43-6	1 ml	10 ml	.1ppm		AEL	5-14-02	6-14-02
Kmno4	334-3-17	Potassium Permanganate	Fisher	005485	100 g	2000 ml			AEL	5-17-02	5-17-03
Hno3	334-3-18	conc. Hno3	Fisher	1101110					AEL	5-22-02	5-22-03
Hno3	334-3-19	conc. Hno3	Fisher	1101090					AEL	5-23-02	5-23-03
HCL	334-3-20	conc. HCL	Fisher	4101100					AEL	5-28-02	5-28-03
Hno3	334-3-21	conc. Hno3	Fisher	1101090					AEL	5-28-02	5-28-03

REAG LOG 1-6-95

000644

REAGENT LOGBOOK

STANDARD NAME	STD#	STOCK REAGENT	SUPPLIER	LOT#	WT/VOL µ/ml	FINAL VOL(ml)	FINAL CONC	SOLVENT/ LOT#	INIT	DATE PREPARED	EXP DATE
H_2SO_4	334-4-1	conc. H_2SO_4	Fisher	3101070					AEL	5-28-02	5-28-03
$K_2S_2O_6$	334-4-2	Potassium Persulfate	Fisher	016400	100 g	2000 ml			AEL	6-3-02	6-3-03
HNO_3	334-4-3	conc. HNO_3	Fisher	1101110					AEL	6-4-02	6-4-03
Hg cali ccv	334-4-4	1ppm Hg	in House	100-50-5	1 ml	10 ml	.1ppm		AEL	6-5-02	7-5-02
Hg cali Icv	334-4-5	1ppm Hg	in House	100-50-6	1 ml	10 ml	.1ppm		AEL	6-5-02	7-5-02
HNO_3	334-4-6	conc HNO_3	Fisher	1101110					AEL	6-7-02	6-7-03
$KMnO_4$	334-4-7	Potassium Permanganate	Fisher	005485	100 g	2000 ml			AEL	6-7-02	6-7-03
HNO_3	334-4-8	conc. HNO_3	Fisher	1101110					AEL	6-12-02	6-12-03
HCL	334-4-9	conc. HCL	Fisher	4101100					AEL	6-12-02	6-12-03
HNO_3	334-4-10	conc. HNO_3	Fisher	1101110					AEL	6-13-02	6-13-03
HNO_3	334-4-11	conc. HNO_3	Fisher	1101110					AEL	6-14-02	6-14-03
$KMnO_4$	334-4-12	Potassium Permanganate	Fisher	005485	100 g	2000 ml			AEL	6-17-02	6-17-03
Hg cali ccv	334-4-13	1ppm Hg	in House	100-50-5	1 ml	10 ml			AEL	6-17-02	7-17-02
Hg cali Icv	334-4-14	1ppm Hg	in House	100-50-6	1 ml	10 ml			AEL	6-17-02	7-17-02
HNO_3	334-4-15	conc HNO_3	Fisher	1101090					AEL	6-18-02	6-18-03
HCL	334-4-16	conc. ~~HCL~~ HCL	Fisher	4101100					AEL	6-20-02	6-20-03
HNO_3	334-4-17	conc. HNO_3	Fisher	1102020					AEL	6-20-02	6-20-03
HNO_3	334-4-18	conc. HNO_3	Fisher	1102020					AEL	6-24-02	6-24-03
Hg cali ccv0.2	334-4-19	1ppm Hg	in House	100-56-5	20 ul	100 ml			AEL	6-25-02	7-25-02
0.5	334-4-20				50 ul	100 ml					
1.0	334-4-21				100 ul	100 ml					
5.0	334-4-22				500 ul	100 ml					

REAG LOG 1-6-95

000645

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

2540 G Total Moisture - Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 11:16	MDT	146053

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
WET-037	Total Moisture	13.9	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200201	046-BF-S-0619-02	Solid	06/19/2002 09:40	06/20/2002 09:05	06/27/2002 08:58

9045C Solid - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:30	OLT	145853

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	2.30	2.00		pH unit

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

2540 G Total Moisture - Solid

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 11:16	MDT	146053

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
WET-037	Total Moisture	8.80	0.010	0.010	%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	CLIENT ID	MATRIX	COLLECTED	RECEIVED	REPORTED
20206200202	046-RB-S-0619-02	Solid	06/19/2002 11:00	06/20/2002 09:05	06/27/2002 08:58

9045C Solid - pH

PREP DATE	PREP BATCH	PREP METHOD	DILUTION	ANALYZED	BY	ANALYTICAL BATCH
			1	06/20/2002 10:00	OLT	145853

CAS #	PARAMETER	RESULT	PQL	MDL	UNITS
pH	pH	**8.48**	**2.00**		**pH unit**

RESULTS REPORTED ON A DRY WEIGHT BASIS

QUALITY CONTROL SUMMARY

DUPLICATE SAMPLE ID: 46427	ORIGINAL LAB ID: 20206200201	PREP BATCH:
	MATRIX Solid	ANALYTICAL BATCH: 145853

SW-846 9045

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
pH	pH	2.3	2.27	1.3	- 6

DUPLICATE SAMPLE ID: 46656	ORIGINAL LAB ID: 20206200201	PREP BATCH:
	MATRIX Solid	ANALYTICAL BATCH: 146053

2540 G (Dry Weight)

CAS #	PARAMETER	Original Result	Result	RPD	RPD LIMITS
WET-037	Total Moisture	13.9	14	0.72	0 - 25

TOTAL SOLIDS/TOTAL MOISTURE

METHODS 2540G/2540B

Date: 6/20/02
Time: 11:16
Analyst: MDT

Dry Weight 146052
TM 146053
TS 146051

Final Wt - Pan Wt

Samples Cancelled

Sample Identification	Matrix	Sample Vol/Wt.	Pan ID	Initial Pan Wt. (g)	Final Wt. (g) #1	Final Wt. (g) #2	Final Wt. (g) #3	Total Solids mg/L / %	Total Moisture %	% REC RPD
[redacted]	S	10.4892	201	1.2612						
~~[redacted]~~		10.2869	202	1.2645						
~~[redacted]~~		10.1944	203	1.2448						
~~[redacted]~~		10.7024	204	1.2656						
~~[redacted]~~		10.1983	205	1.2688						
~~[redacted]~~		10.0134	206	1.2569						
~~[redacted]~~		10.5255	207	1.2446						
~~[redacted]~~		10.7575	301	1.2470	8.9524		7.7054	71.6	28.4	
[redacted]		10.2763 / 10.7575	0030 / 301	1.3644 / 1.2470	10.6094		9.3450	90.9	9.1	
~~[redacted]~~		10.4231	302	1.2395	10.4953		9.2558	88.8	11.2	
~~[redacted]~~										
~~[redacted]~~	S	10.4796	304	1.2432	9.3130		8.0698	77.0	23.0	
CH2MHill 20206200201		10.1312	00201	1.2585	9.9816		8.7231	86.1	13.9	
20206200201 Dup		10.3894	Dup	1.2450	10.1817		8.9367	86.0	14.0	
20206200202		10.1046	00202	1.2380	10.4555		9.2175	91.2	8.8	
[redacted]		10.1144	303	1.2509	10.3986		9.1477	90.4	9.6	

UNITS: Water=mg/L
Solids=%

TS mg/L = [wt of sample + pan (g)] - [wt of pan (g)] x 1,000,000 / Sample Volume (ml)

TS % = [wt of sample + pan (g)] - [wt of pan (g)] x 100 / Sample Weight (g)

TM % = 100 - TS%

Analyst Review: SAB2 6-21-02

Secondary Review: 6/21/02 MDT

000651

pH LOGBOOK

Date: 6-20-2

Slope Limits: 92-108

	Calibration Time	Analyst	Calibration Levels 1	2	3	Slope	QC Check Actual	Found
1	7:57	OY	4.00	7.00	10.00	97.2	5.00	5.05
2	10:15		1.00	4.00	7.00	98.9	5.00	5.04
3								
4								
5								
6								

pH RESULTS

HBN #: 145853

	Client	Sample ID	Time	Analyst	Sample wt (g)	ml DI	Result
1	CH2M Hill	202061001	10:30	OY	20	20	2.30
2		DUP 202061001			20	20	2.27
3		202061002	10:00		20	20	8.48
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

OY 6-20-2

/ 4386 / 200606 0002 / Due 6/21/02

CH2M Hill Constructors, Inc.
115 Perimeter Center Place, Suite 700
Atlanta, GA 30346-1278
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

COC NUMBER
159772-003 Page 1 of 1

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
F.I.S.C.	159772	Gulf Coast Labs. Dana Merril	Bill Canelos J.A. Jones Environmental Services	6219 Authority Ave. Building 1 Jacksonville, FL 32221 Ph:(904) 7774812 Fax: (904) 7774262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
F.I.S.C. Fill Characterization Sampling	0046		Christelle Newsome / CH2M Hill Constuctors, Inc.	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 Ph:(770)604-9182 Ext.561 Fax:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:	LAB TEL NO AND FAX NO:	FAX AND MAIL REPORTS/EDD TO:: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bill Canelos J.A. Jones Environmental	Ph:(904)777-4812 Fax:(904) 777-4262	Ph:(225) 769-4900		

ANALYSES REQUIRED (Include Method Numbers)

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	TCL Semi-Volatiles by 8260B	TCL Semi-Volatiles by 8270C, TRPH by FL-PRO, TCL pesticides by 8081A, Herbicides by 8151A, PCB's by 8082, TAL metals by 6010A/7471A, pH by 9045B									SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
																			200606 0002	
1	046-BF-S-0619-02	Coxwell Backfill Sample	S	06/19/02	9:40	III/C	24-48 hr	3	1									Composite except Volatiles		1
2	046-RB-S-0619-02	Yelvington Road Base Fill Sample	S	06/19/02	11:00	III/C	24-48 hr	3	1									Composite except Volatiles		2
3	046-TB-W-0619-02	Trip Blank	W	06/19/02	NA	III/C	24-48 hr	3											Prepared by Lab	3
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print)	COURIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Randy Dumaop / Sean Smith J.A. Jones Environmental Services	Federal Express Tracking # 7904 5798 3616 .	3°C good

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
R. Dumaop	6/19/02	18:00	Federal Express	6/19/02	18:00
Printed Name and Signature:			Printed Name and Signature:		
FedEx# 7904 5798 3616	6/20/02	0905	Anna Kinchen	6/20/02	0905
Printed Name and Signature:			Printed Name and Signature:		

Distribution: [ ] Original - Laboratory (To be returned with Analytical Report); [ ] Copy 1 - Project File; [ ] Copy 2 - PMO

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	202062002	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	FISC Jacksonville	**Status:**	WP
Project Seq:	6482	**Created:**	6/20/02 9:22
Client:	4380 - CH2M HILL Constructors Inc.	**QA:**	
Profile:	33090 - CTO 0046 - FISC Jacksonville	**PO:**	4242

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20206200201-1	16	NONE			X			X	OK
20206200201-2	40	NONE			X			✓	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20206200202-1	16	NONE			X			X	OK
20206200202-2	40	NONE			X			✓	OK

Container ID	Type	Preservative	A	U	N\A	A	U	N\A	CONTAINER CONDITION
20206200203-1	40	HCL+SS			✓	✓			OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE (A) U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 4MM

Custody Seal
used ~~[ ] Yes~~ [ ] No
in tact ~~[ ] Yes~~ [ ] No

CUSTODIAN AWK

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
TCL Volatiles by GC/MS (8260)	
Chloromethane, ug/kg dw	14U
Bromomethane (Methyl bromide), ug/kg dw	14U
Vinyl chloride, ug/kg dw	1.5U*
Chloroethane, ug/kg dw	14U
Methylene chloride (Dichloromethane), ug/kg dw	7.0U
Acetone, ug/kg dw	70U
Carbon disulfide, ug/kg dw	7.0U
1,1-Dichloroethene, ug/kg dw	7.0U
1,1-Dichloroethane, ug/kg dw	7.0U
cis-1,2-Dichloroethylene, ug/kg dw	7.0U
trans-1,2-Dichloroethene, ug/kg dw	7.0U
Chloroform, ug/kg dw	7.0U
1,2-Dichloroethane, ug/kg dw	7.0U
2-Butanone (MEK), ug/kg dw	35U
1,1,1-Trichloroethane, ug/kg dw	7.0U
Carbon tetrachloride, ug/kg dw	7.0U
Bromodichloromethane, ug/kg dw	0.88U*
1,2-Dichloropropane, ug/kg dw	7.0U
cis-1,3-Dichloropropene, ug/kg dw	0.99U*
Trichloroethene, ug/kg dw	7.0U
Dibromochloromethane, ug/kg dw	0.84U*
1,1,2-Trichloroethane, ug/kg dw	7.0U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1		
Benzene, ug/kg dw	7.0U		
trans-1,3-Dichloropropene, ug/kg dw	2.1U*		
Bromoform, ug/kg dw	7.0U		
4-Methyl-2-pentanone (MIBK), ug/kg dw	35U		
2-Hexanone, ug/kg dw	35U		
Tetrachloroethene, ug/kg dw	7.0U		
Toluene, ug/kg dw	3.2J		
1,1,2,2-Tetrachloroethane, ug/kg dw	7.0U		
Chlorobenzene, ug/kg dw	7.0U		
Ethylbenzene, ug/kg dw	7.0U		
Styrene, ug/kg dw	7.0U		
Xylenes, Total, ug/kg dw	7.0U		
Surrogate - Dibromofluoromethane	98 %		
Surrogate - Toluene-d8	71 %		
Surrogate - 4-Bromofluorobenzene	67 %		
Prep Date	09.10.03		
Analysis Date	09.10.03		
Batch ID	VM090903M		

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
TCL - Semivolatiles (8270)	
Phenol, ug/kg dw	360U
bis(2-Chloroethyl)ether, ug/kg dw	360U
2-Chlorophenol, ug/kg dw	360U
1,3-Dichlorobenzene, ug/kg dw	360U
1,4-Dichlorobenzene, ug/kg dw	360U
1,2-Dichlorobenzene, ug/kg dw	360U
2-Methylphenol (o-Cresol), ug/kg dw	360U
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropy l)ether], ug/kg dw	360U
3-Methylphenol/4-Methylphenol (m&p-Cresol), ug/kg dw	360U
N-Nitroso-di-n-propylamine, ug/kg dw	360U
Hexachloroethane, ug/kg dw	360U
Nitrobenzene, ug/kg dw	360U
Isophorone, ug/kg dw	360U
2-Nitrophenol, ug/kg dw	360U
2,4-Dimethylphenol, ug/kg dw	360U
bis(2-Chloroethoxy)methane, ug/kg dw	360U
2,4-Dichlorophenol, ug/kg dw	360U
1,2,4-Trichlorobenzene, ug/kg dw	360U
4-Chloroaniline, ug/kg dw	720U
Hexachlorobutadiene, ug/kg dw	360U
4-Chloro-3-methylphenol, ug/kg dw	360U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1		
Hexachlorocyclopentadiene, ug/kg dw	360U		
2,4,6-Trichlorophenol, ug/kg dw	360U		
2,4,5-Trichlorophenol, ug/kg dw	360U		
2-Chloronaphthalene, ug/kg dw	360U		
2-Nitroaniline, ug/kg dw	1900U		
Dimethylphthalate, ug/kg dw	360U		
2,6-Dinitrotoluene, ug/kg dw	360U		
3-Nitroaniline, ug/kg dw	1900U		
2,4-Dinitrophenol, ug/kg dw	1900U		
4-Nitrophenol, ug/kg dw	1900U		
Dibenzofuran, ug/kg dw	360U		
2,4-Dinitrotoluene, ug/kg dw	360U		
Diethylphthalate, ug/kg dw	360U		
4-Chlorophenylphenyl ether, ug/kg dw	360U		
4-Nitroaniline, ug/kg dw	1900U		
4,6-Dinitro-2-methylphenol, ug/kg dw	1900U		
N-Nitrosodiphenylamine, ug/kg dw	360U		
4-Bromophenylphenyl ether, ug/kg dw	360U		
Hexachlorobenzene, ug/kg dw	360U		
Pentachlorophenol, ug/kg dw	1900U		
Carbazole, ug/kg dw	360U		
Di-n-butylphthalate, ug/kg dw	360U		
Butylbenzylphthalate, ug/kg dw	360U		

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
3,3'-Dichlorobenzidine, ug/kg dw	720U
bis(2-Ethylhexyl)phthalate, ug/kg dw	360U
Di-n-octylphthalate, ug/kg dw	360U
Surrogate - 2-Fluorophenol	43 %
Surrogate - Phenol-d5	51 %
Surrogate - Nitrobenzene - d5	53 %
Surrogate - 2-Fluorobiphenyl	56 %
Surrogate - 2,4,6-Tribromophenol	51 %
Surrogate - Terphenyl-d14	56 %
Prep Date	09.10.03
Analysis Date	09.11.03
Batch ID	SM091003M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
Polynuclear Aromatics (8270)	
Acenaphthene, ug/kg dw	7.4U
Acenaphthylene, ug/kg dw	7.4U
Anthracene, ug/kg dw	7.4U
Benzo(a)anthracene, ug/kg dw	7.4U
Benzo(a)pyrene, ug/kg dw	7.4U
Benzo(b)fluoranthene, ug/kg dw	7.4U
Benzo(g,h,i)perylene, ug/kg dw	7.4U
Benzo(k)fluoranthene, ug/kg dw	7.4U
Chrysene, ug/kg dw	7.4U
Dibenzo(a,h)anthracene, ug/kg dw	7.4U
Fluoranthene, ug/kg dw	7.4U
Fluorene, ug/kg dw	7.4U
Indeno(1,2,3-cd)pyrene, ug/kg dw	7.4U
Naphthalene, ug/kg dw	7.4U
Phenanthrene, ug/kg dw	7.4U
Pyrene, ug/kg dw	7.4U
1-Methylnaphthalene, ug/kg dw	7.4U
2-Methylnaphthalene, ug/kg dw	7.4U
Surrogate - o-Terphenyl	67 %
Prep Date	09.10.03
Analysis Date	09.12.03
Batch ID	SM091003L

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
Petroleum Range Organics (FL-PRO)	
Petroleum Hydrocarbons , mg/kg dw	16
Surrogate, o-Terphenyl	55 %
Surrogate-C39	46 %
Prep Date	09.10.03
Analysis Date	09.12.03
Batch ID	SG091003J

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
TCL - Pesticides/PCB's (8081/8082)	
alpha-BHC, ug/kg dw	1.9U
beta-BHC, ug/kg dw	1.9U
delta-BHC, ug/kg dw	1.9U
gamma-BHC (Lindane), ug/kg dw	1.9U
Heptachlor, ug/kg dw	1.9U
Aldrin, ug/kg dw	1.9U
Heptachlor epoxide, ug/kg dw	1.9U
Endosulfan I, ug/kg dw	1.9U
Dieldrin, ug/kg dw	3.6U
4,4'-DDE, ug/kg dw	3.6U
Endrin, ug/kg dw	3.6U
Endosulfan II, ug/kg dw	3.6U
4,4'-DDD, ug/kg dw	3.6U
Endosulfan sulfate, ug/kg dw	3.6U
4,4'-DDT, ug/kg dw	3.6U
Methoxychlor, ug/kg dw	19U
Endrin ketone, ug/kg dw	3.6U
Endrin aldehyde, ug/kg dw	3.6U
alpha-Chlordane, ug/kg dw	1.9U
gamma-Chlordane, ug/kg dw	1.9U
Toxaphene, ug/kg dw	190U
Aroclor-1016, ug/kg dw	36U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
Aroclor-1221, ug/kg dw	74U
Aroclor-1232, ug/kg dw	36U
Aroclor-1242, ug/kg dw	36U
Aroclor-1248, ug/kg dw	36U
Aroclor-1254, ug/kg dw	36U
Aroclor-1260, ug/kg dw	36U
Surrogate - Dibutyl Chlorendate	62 %
Surrogate - Tetrachloro-m-xylene	46 %
Surrogate - Decachlorobiphenyl	68 %
Prep Date	09.11.03
Analysis Date	09.12.03
Batch ID	SG091103H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
Chlorinated Herbicides (8151)	
Bentazon, ug/kg dw	38U
2,4-D, ug/kg dw	9.1U
Dalapon, ug/kg dw	2200U
2,4-DB, ug/kg dw	9.1U
Dicamba, ug/kg dw	22U
Dichloroprop, ug/kg dw	110U
Dinoseb, ug/kg dw	110U
MCPA[(4-chloro-2-methylphenoxy)-acetic acid], ug/kg dw	2200U
MCPP[2-(4-chloro-2-methylphenoxy)-propanoic acid], ug/kg dw	2200U
Pentachlorophenol, ug/kg dw	19U
Picloram, ug/kg dw	3.6U
2,4,5-TP (Silvex), ug/kg dw	9.1U
2,4,5-T, ug/kg dw	9.1U
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	101 %
Prep Date	09.09.03
Analysis Date	09.12.03
Batch ID	SG090903H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
TAL Metals (6010)	
Aluminum, ug/l	1200
Antimony, ug/l	2.2U
Arsenic, ug/l	0.74B
Barium, ug/l	2.1
Beryllium, ug/l	0.43U
Cadmium, ug/l	0.54U
Calcium, ug/l	360
Chromium, ug/l	2.1
Cobalt, ug/l	0.22B
Copper, ug/l	0.83B
Iron, ug/l	140
Lead, ug/l	4.1
Magnesium, ug/l	36B
Manganese, ug/l	1.7
Nickel, ug/l	4.3U
Potassium, ug/l	24B
Selenium, ug/l	1.1U
Silver, ug/l	1.1U
Sodium, ug/l	54U
Thallium, ug/l	1.1U
Vanadium, ug/l	1.5
Zinc, ug/l	2.7
Prep Date	09.10.03
Analysis Date	09.11.03
Batch ID	ME091003C

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-1	086-BFC-S-0904-03	09-04-03/14:15	JETC01

PARAMETER	73924-1
Mercury (7471), mg/kg dw	0.018B
Prep Date	09.10.03
Analysis Date	09.10.03
Batch ID	ME091003R
pH (150.1), units	6.3

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-2	086-TB-L-0904-03	09-04-03	JETC01

PARAMETER	73924-2
TCL Volatiles by GC/MS (8260)	
Chloromethane, ug/l	1.0U
Bromomethane (Methyl bromide), ug/l	1.0U
Vinyl chloride, ug/l	1.0U
Chloroethane, ug/l	1.0U
Methylene chloride (Dichloromethane), ug/l	5.0U
Acetone, ug/l	25U
Carbon disulfide, ug/l	1.0U
1,1-Dichloroethene, ug/l	1.0U
1,1-Dichloroethane, ug/l	1.0U
cis-1,2-Dichloroethylene, ug/l	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U
Chloroform, ug/l	1.0U
1,2-Dichloroethane, ug/l	1.0U
2-Butanone (MEK), ug/l	10U
1,1,1-Trichloroethane, ug/l	1.0U
Carbon tetrachloride, ug/l	1.0U
Bromodichloromethane, ug/l	1.0U
1,2-Dichloropropane, ug/l	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U
Trichloroethene, ug/l	1.0U
Dibromochloromethane, ug/l	1.0U
1,1,2-Trichloroethane, ug/l	1.0U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-2	086-TB-L-0904-03	09-04-03	JETC01

PARAMETER	73924-2
Benzene, ug/l	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U
Bromoform, ug/l	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U
2-Hexanone, ug/l	10U
Tetrachloroethene, ug/l	1.0U
Toluene, ug/l	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U
Chlorobenzene, ug/l	1.0U
Ethylbenzene, ug/l	1.0U
Styrene, ug/l	1.0U
Xylenes, Total, ug/l	2.0U
Surrogate - Dibromofluoromethane	116 %
Surrogate - Toluene-d8	104 %
Surrogate - 4-Bromofluorobenzene	100 %
Analysis Date	09.09.03
Batch ID	VM090903N

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
TCL Volatiles by GC/MS (8260)					
1,1-Dichloroethene, ug/kg dw	60	61	50	120 %	122 %
Trichloroethene, ug/kg dw	57	59	50	114 %	118 %
Benzene, ug/kg dw	60	60	50	120 %	120 %
Toluene, ug/kg dw	62	62	50	124 %	124 %
Chlorobenzene, ug/kg dw	66	67	50	132 %	134 %
Surrogate - Dibromofluoromethane	94 %	102 %	---	---	---
Surrogate - Toluene-d8	82 %	84 %	---	---	---
Surrogate - 4-Bromofluorobenzene	80 %	84 %	---	---	---
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.10.03	09.10.03	---	---	---
Batch ID	VM090903M	VM090903M	VM090903M	VM090903M	VM090903M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
TCL - Semivolatiles (8270)					
Phenol, ug/kg	1400	1100	3300	42 %	33 %
2-Chlorophenol, ug/kg	1500	1200	3300	45 %	36 %
1,4-Dichlorobenzene, ug/kg	700	550	1700	41 %	32 %
N-Nitroso-di-n-propylamine, ug/kg	570	550	1700	34 %	26 %
1,2,4-Trichlorobenzene, ug/kg	700	540	1700	41 %	32 %
4-Chloro-3-methylphenol, ug/kg	1600	1300	3300	48 %	39 %
Acenaphthene, ug/kg	640	510	1700	38 %	30 %
4-Nitrophenol, ug/kg	1700	1400	3300	52 %	42 %
2,4-Dinitrotoluene, ug/kg	740	640	1700	44 %	38 %
Pentachlorophenol, ug/kg	1000	680	3300	30 %	21 %
Pyrene, ug/kg	880	760	1700	52 %	45 %
Surrogate - 2-Fluorophenol	42 %	33 %	---	---	---
Surrogate - Phenol-d5	45 %	39 %	---	---	---
Surrogate - Nitrobenzene - d5	46 %	36 %	---	---	---
Surrogate - 2-Fluorobiphenyl	43 %	36 %	---	---	---
Surrogate - 2,4,6-Tribromophenol	42 %	36 %	---	---	---
Surrogate - Terphenyl-d14	50 %	43 %	---	---	---
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.11.03	09.11.03	---	---	---
Batch ID	SM091003M	SM091003M	SM091003M	SM091003M	SM091003M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
Polynuclear Aromatics (8270)					
Acenaphthene, ug/kg dw	79	82	130	61 %	63 %
Benzo(a)pyrene, ug/kg dw	71	73	130	55 %	56 %
Fluorene, ug/kg dw	77	82	130	59 %	63 %
Naphthalene, ug/kg dw	76	75	130	58 %	58 %
Pyrene, ug/kg dw	84	91	130	65 %	70 %
Surrogate - o-Terphenyl	67 %	73 %	---	---	---
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.12.03	09.12.03	---	---	---
Batch ID	SM091003L	SM091003L	SM091003L	SM091003L	SM091003L
Petroleum Range Organics (FL-PRO)					
Petroleum Hydrocarbons , mg/kg	38	46	91	42 %	46 %
Surrogate, o-Terphenyl	42 %	54 %	---	---	---
Surrogate-C39	38 %	45 %	---	---	---
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.12.03	09.12.03	---	---	---
Batch ID	SG091003J	SG091003J	SG091003J	SG091003J	SG091003J

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
TCL - Pesticides/PCB's (8081/8082)					
gamma-BHC (Lindane), ug/l	2.0	2.1	3.3	61 %	64 %
Heptachlor, ug/l	2.1	2.5	3.3	64 %	76 %
Aldrin, ug/l	2.2	2.6	3.3	67 %	79 %
Dieldrin, ug/l	5.4	6.2	8.3	65 %	75 %
Endrin, ug/l	5.5	6.2	8.3	66 %	75 %
4,4'-DDT, ug/l	4.9	5.5	8.3	59 %	66 %
Surrogate - Dibutyl Chlorendate	52 %	61 %	---	---	---
Surrogate - Tetrachloro-m-xylene	52 %	67 %	---	---	---
Surrogate - Decachlorobiphenyl	64 %	79 %	---	---	---
Prep Date	09.11.03	09.11.03	---	---	---
Analysis Date	09.12.03	09.12.03	---	---	---
Batch ID	SG091103H	SG091103H	SG091103H	SG091103H	SG091103H
Chlorinated Herbicides (8151)					
2,4-D, ug/kg dw	20	33	28	71 %	118 %
2,4,5-TP (Silvex), ug/kg dw	24	31	28	86 %	111 %
2,4,5-T, ug/kg dw	21	33	28	75 %	118 %
Surrogate-2,4-Dichloropheny 1 acetic acid (DCAA)	90 %	110 %	---	---	---
Prep Date	09.09.03	09.09.03	---	---	---
Analysis Date	09.12.03	09.12.03	---	---	---
Batch ID	SG090903H	SG090903H	SG090903H	SG090903H	SG090903H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
TAL Metals (6010)					
Aluminum, mg/kg dw	200	200	200	100 %	100 %
Antimony, mg/kg dw	51	52	50	102 %	104 %
Arsenic, mg/kg dw	200	200	200	100 %	100 %
Barium, mg/kg dw	210	220	200	105 %	110 %
Beryllium, mg/kg dw	5.2	5.3	5.0	104 %	106 %
Cadmium, mg/kg dw	5.2	5.2	5.0	104 %	104 %
Calcium, mg/kg dw	480	490	500	96 %	98 %
Chromium, mg/kg dw	22	22	20	110 %	110 %
Cobalt, mg/kg dw	53	53	50	106 %	106 %
Copper, mg/kg dw	27	27	25	108 %	108 %
Iron, mg/kg dw	110	110	100	110 %	110 %
Lead, mg/kg dw	52	53	50	104 %	106 %
Magnesium, mg/kg dw	480	490	500	96 %	98 %
Manganese, mg/kg dw	53	54	50	106 %	108 %
Nickel, mg/kg dw	53	53	50	106 %	106 %
Potassium, mg/kg dw	470	480	500	94 %	96 %
Selenium, mg/kg dw	190	200	200	95 %	100 %
Silver, mg/kg dw	5.0	5.1	5.0	100 %	102 %

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-9	Lab Control Standard Result		JETC01
73924-10	Lab Control Standard Duplicate Result		JETC01
73924-11	Spike Amount Added, LCS/LCSD		JETC01
73924-12	Lab Control Standard % Recovery		JETC01
73924-13	Lab Control Standard Duplicate % Recovery		JETC01

PARAMETER	73924-9	73924-10	73924-11	73924-12	73924-13
Sodium, mg/kg dw	490	510	500	98 %	102 %
Thallium, mg/kg dw	210	220	200	105 %	110 %
Vanadium, mg/kg dw	54	54	50	108 %	108 %
Zinc, mg/kg dw	52	52	50	104 %	104 %
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.11.03	09.11.03	---	---	---
Batch ID	ME091003C	ME091003C	ME091003C	ME091003C	ME091003C
Mercury (7471), mg/kg dw	0.20	0.20	0.20	100 %	100 %
Batch ID	ME091003R	ME091003R	ME091003R	ME091003R	ME091003R

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
TCL Volatiles by GC/MS (8260)			
1,1-Dichloroethene, %	40-164 %	1.6 %	<46 %
Trichloroethene, %	51-146 %	3.4 %	<34 %
Benzene, %	49-142 %	0 %	<42 %
Toluene, %	38-158 %	0 %	<32 %
Chlorobenzene, %	66-135 %	1.5 %	<34 %
Surrogate - Dibromofluoromethane	58-142 %	---	---
Surrogate - Toluene-d8	64-136 %	---	---
Surrogate - 4-Bromofluorobenzene	63-135 %	---	---
Batch ID	VM090903M	VM090903M	VM090903M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
TCL - Semivolatiles (8270)			
Phenol, %	13-115 %	24 %	<39 %
2-Chlorophenol, %	15-111 %	22 %	<38 %
1,4-Dichlorobenzene, %	10-105 %	24 %	<31 %
N-Nitroso-di-n-propylamine, %	11-122 %	24 %	<37 %
1,2,4-Trichlorobenzene, %	10-112 %	26 %*F99	<22 %
4-Chloro-3-methylphenol, %	22-114 %	21 %	<32 %
Acenaphthene, %	18-123 %	23 %	<49 %
4-Nitrophenol, %	15-118 %	19 %	<57 %
2,4-Dinitrotoluene, %	11-120 %	14 %	<37 %
Pentachlorophenol, %	10-140 %	38 %	<55 %
Pyrene, %	10-133 %	15 %	<42 %
Surrogate - 2-Fluorophenol	16-113 %	---	---
Surrogate - Phenol-d5	19-114 %	---	---
Surrogate - Nitrobenzene - d5	20-120 %	---	---
Surrogate - 2-Fluorobiphenyl	30-120 %	---	---
Surrogate - 2,4,6-Tribromophenol	23-129 %	---	---
Surrogate - Terphenyl-d14	30-131 %	---	---
Batch ID	SM091003M	SM091003M	SM091003M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
Polynuclear Aromatics (8270)			
Acenaphthene, %	18-123 %	3.7 %	<49 %
Benzo(a)pyrene, %	41-142 %	2.8 %	<55 %
Fluorene, %	27-151 %	6.3 %	<50 %
Naphthalene, %	25-131 %	1.3 %	<34 %
Pyrene, %	10-133 %	8.0 %	<42 %
Surrogate - o-Terphenyl	30-130 %	---	---
Batch ID	SM091003L	SM091003L	SM091003L
Petroleum Range Organics (FL-PRO)			
Petroleum Hydrocarbons , %	26-116 %	19 %	<25 %
Surrogate, o-Terphenyl	15-154 %	---	---
Surrogate-C39	30-118 %	---	---
TCL - Pesticides/PCB's (8081/8082)			
gamma-BHC (Lindane), %	12-138 %	4.9 %	<37 %
Heptachlor, %	17-138 %	17 %	<38 %
Aldrin, %	10-144 %	17 %	<38 %
Dieldrin, %	28-137 %	14 %	<30 %
Endrin, %	33-149 %	12 %	<32 %
4,4'-DDT, %	29-134 %	12 %	<26 %
Batch ID	SG091103H	SG091103H	SG091103H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
Chlorinated Herbicides (8151)			
2,4-D, %	19-153 %	49 %*F99	<47 %
2,4,5-TP (Silvex), %	27-120 %	25 %	<51 %
2,4,5-T, %	14-143 %	44 %	<59 %
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	30-189 %	---	---
Batch ID	SG090903H	SG090903H	SG090903H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
TAL Metals (6010)			
Aluminum, %	75-125 %	0 %	<20 %
Antimony, %	75-125 %	1.9 %	<20 %
Arsenic, %	75-125 %	0 %	<20 %
Barium, %	75-125 %	4.6 %	<20 %
Beryllium, %	75-125 %	1.9 %	<20 %
Cadmium, %	75-125 %	0 %	<20 %
Calcium, %	75-125 %	2.1 %	<20 %
Chromium, %	75-125 %	0 %	<20 %
Cobalt, %	75-125 %	0 %	<20 %
Copper, %	75-125 %	0 %	<20 %
Iron, %	75-125 %	0 %	<20 %
Lead, %	75-125 %	1.9 %	<20 %
Magnesium, %	75-125 %	2.1 %	<20 %
Manganese, %	75-125 %	1.9 %	<20 %
Nickel, %	75-125 %	0 %	<20 %
Potassium, %	75-125 %	2.1 %	<20 %
Selenium, %	75-125 %	5.1 %	<20 %
Silver, %	75-125 %	2.0 %	<20 %
Sodium, %	75-125 %	4.0 %	<20 %
Thallium, %	75-125 %	4.6 %	<20 %
Vanadium, %	75-125 %	0 %	<20 %
Zinc, %	75-125 %	0 %	<20 %
Batch ID	ME091003C	ME091003C	ME091003C

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-14	LCS Accuracy Control Limit (%R)		JETC01
73924-15	Precision (%RPD) of LCS/LCSD		JETC01
73924-16	LCS Precision Control Limit (Advisory) %RPD		JETC01

PARAMETER	73924-14	73924-15	73924-16
Mercury (7471), %	80-120 %	0 %	<20 %
Batch ID	ME091003R	ME091003R	ME091003R

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
TCL Volatiles by GC/MS (8260)					
1,1-Dichloroethene, ug/kg dw	45	54	50	50	90 %
Trichloroethene, ug/kg dw	35	46	50	50	70 %
Benzene, ug/kg dw	41	52	50	50	82 %
Toluene, ug/kg dw	36	45	50	50	72 %
Chlorobenzene, ug/kg dw	31	42	50	50	62 %*F73
Surrogate - Dibromofluoromethane	88 %	89 %	---	---	---
Surrogate - Toluene-d8	88 %	88 %	---	---	---
Surrogate - 4-Bromofluorobenzene	84 %	80 %	---	---	---
Prep Date	09.15.03	09.15.03	---	---	---
Analysis Date	09.15.03	09.15.03	---	---	---
Batch ID	VM090903M	VM090903M	VM090903M	VM090903M	VM090903M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
TCL - Semivolatiles (8270)					
Phenol, ug/kg	1900	1700	3700	3700	51 %
2-Chlorophenol, ug/kg	2000	1700	3700	3700	54 %
1,4-Dichlorobenzene, ug/kg	910	790	1800	1800	50 %
N-Nitroso-di-n-propylamine, ug/kg	800	690	1800	1800	44 %
1,2,4-Trichlorobenzene, ug/kg	960	830	1800	1800	53 %
4-Chloro-3-methylphenol, ug/kg	2200	2000	3700	3700	59 %
Acenaphthene, ug/kg	960	840	1800	1800	53 %
4-Nitrophenol, ug/kg	2600	2300	3700	3700	70 %
2,4-Dinitrotoluene, ug/kg	1200	980	1800	1800	67 %
Pentachlorophenol, ug/kg	2300	1900	3700	3700	62 %
Pyrene, ug/kg	1200	1100	1800	1800	67 %
Surrogate - 2-Fluorophenol	51 %	43 %	---	---	---
Surrogate - Phenol-d5	54 %	49 %	---	---	---
Surrogate - Nitrobenzene - d5	61 %	54 %	---	---	---
Surrogate - 2-Fluorobiphenyl	61 %	54 %	---	---	---
Surrogate - 2,4,6-Tribromophenol	59 %	51 %	---	---	---
Surrogate - Terphenyl-d14	67 %	56 %	---	---	---
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.11.03	09.11.03	---	---	---
Batch ID	SM091003M	SM091003M	SM091003M	SM091003M	SM091003M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
Polynuclear Aromatics (8270)					
Acenaphthene, ug/kg dw	*F62	*F62	*F62	*F62	*F62
Benzo(a)pyrene, ug/kg dw	*F62	*F62	*F62	*F62	*F62
Fluorene, ug/kg dw	*F62	*F62	*F62	*F62	*F62
Naphthalene, ug/kg dw	*F62	*F62	*F62	*F62	*F62
Pyrene, ug/kg dw	*F62	*F62	*F62	*F62	*F62
Chrysene, ug/kg dw	---	*F62	---	---	---
Batch ID	SM091003L	SM091003L	SM091003L	SM091003L	SM091003L
Petroleum Range Organics (FL-PRO)					
Petroleum Hydrocarbons , mg/kg	*F62	*F62	*F62	*F62	*F62
TCL - Pesticides/PCB's (8081/8082)					
gamma-BHC (Lindane), ug/l	*F62	*F62	*F62	*F62	*F62
Heptachlor, ug/l	*F62	*F62	*F62	*F62	*F62
Aldrin, ug/l	*F62	*F62	*F62	*F62	*F62
Dieldrin, ug/l	*F62	*F62	*F62	*F62	*F62
Endrin, ug/l	*F62	*F62	*F62	*F62	*F62
4,4'-DDT, ug/l	*F62	*F62	*F62	*F62	*F62
Batch ID	SG091103H	SG091103H	SG091103H	SG091103H	SG091003H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
Chlorinated Herbicides (8151)					
2,4-D, ug/kg dw	36	34	28	28	128 %
2,4,5-TP (Silvex), ug/kg dw	32	30	28	28	114 %
2,4,5-T, ug/kg dw	34	33	28	28	121 %
Surrogate-2,4-Dichloropheny l acetic acid (DCAA)	116 %	110 %	---	---	---
Prep Date	09.09.03	09.09.03	---	---	---
Analysis Date	09.12.03	09.12.03	---	---	---
Batch ID	SG090903H	SG090903H	SG090903H	SG090903H	SG090903H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
TAL Metals (6010)					
Aluminum, mg/kg dw	0	0	220	220	0 %*61
Antimony, mg/kg dw	34	34	54	54	62 %*73
Arsenic, mg/kg dw	180	190	220	220	80 %
Barium, mg/kg dw	350	340	220	220	105 %
Beryllium, mg/kg dw	5.4	5.5	5.4	5.4	91 %
Cadmium, mg/kg dw	4.6	4.7	5.4	5.4	85 %
Calcium, mg/kg dw	0	0	0	0	0 %*F61
Chromium, mg/kg dw	43	44	22	22	91 %
Cobalt, mg/kg dw	47	49	54	54	85 %
Copper, mg/kg dw	28	29	27	27	91 %
Iron, mg/kg dw	0	0	110	110	0 %*F61
Lead, mg/kg dw	57	59	54	54	87 %
Magnesium, mg/kg dw	0	0	0	0	0 %*F61
Manganese, mg/kg dw	110	110	54	54	67 %*F73
Nickel, mg/kg dw	51	53	54	54	87 %
Potassium, mg/kg dw	0	0	0	0	0 %*F61
Selenium, mg/kg dw	180	180	220	220	82 %
Silver, mg/kg dw	4.9	5.0	5.4	5.4	91 %

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-17	Matrix Spike Result		JETC01
73924-18	Matrix Spike Duplicate Result		JETC01
73924-19	Spike Amount Added, MS		JETC01
73924-20	Spike Amount Added, MSD		JETC01
73924-21	Matrix Spike % Recovery		JETC01

PARAMETER	73924-17	73924-18	73924-19	73924-20	73924-21
Sodium, mg/kg dw	0	0	0	0	0 %*F61
Thallium, mg/kg dw	190	190	220	220	86 %
Vanadium, mg/kg dw	83	85	54	54	89 %
Zinc, mg/kg dw	61	62	54	54	81 %
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.11.03	09.11.03	---	---	---
Batch ID	ME091003C	ME091003C	ME091003C	ME091003C	ME091003C
Mercury (7471), mg/kg dw	0.11	0.11	0.091	0.091	88 %
Prep Date	09.10.03	09.10.03	---	---	---
Analysis Date	09.10.03	09.10.03	---	---	---
Batch ID	ME091003R	ME091003R	ME091003R	ME091003R	ME091003R

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-22	Matrix Spike Duplicate % Recovery		JETC01
73924-24	MS Accuracy Advisory Limit (%R)		JETC01
73924-25	Precision (%RPD) MS/MSD		JETC01
73924-26	MS Precision Advisory Limit (%RPD)		JETC01

PARAMETER	73924-22	73924-24	73924-25	73924-26
TCL Volatiles by GC/MS (8260)				
1,1-Dichloroethene, ug/l	96 %	40-164 %	18 %	<46 %
Trichloroethene, ug/l	82 %	51-146 %	27 %	<34 %
Benzene, ug/l	93 %	49-142 %	24 %	<42 %
Toluene, ug/l	80 %	38-158 %	22 %	<32 %
Chlorobenzene, ug/l	75 %	66-135 %	30 %	<34 %
Surrogate - Dibromofluoromethane	---	58-142 %	---	---
Surrogate - Toluene-d8	---	64-136 %	---	---
Surrogate - 4-Bromofluorobenzene	---	63-135 %	---	---
Batch ID	VM090903M	VM090903M	VM090903M	VM090903M

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-22	Matrix Spike Duplicate % Recovery		JETC01
73924-24	MS Accuracy Advisory Limit (%R)		JETC01
73924-25	Precision (%RPD) MS/MSD		JETC01
73924-26	MS Precision Advisory Limit (%RPD)		JETC01

PARAMETER	73924-22	73924-24	73924-25	73924-26
TCL - Semivolatiles (8270)				
Phenol, %	46 %	13-115 %	11 %	<39 %
2-Chlorophenol, %	46 %	15-111 %	16 %	<38 %
1,4-Dichlorobenzene, %	44 %	10-105 %	14 %	<31 %
N-Nitroso-di-n-propylamine, %	38 %	11-122 %	15 %	<37 %
1,2,4-Trichlorobenzene, %	46 %	10-112 %	14 %	<22 %
4-Chloro-3-methylphenol, %	54 %	22-114 %	9.5 %	<32 %
Acenaphthene, %	47 %	18-123 %	13 %	<49 %
4-Nitrophenol, %	62 %	15-118 %	12 %	<57 %
2,4-Dinitrotoluene, %	54 %	11-120 %	20 %	<37 %
Pentachlorophenol, %	51 %	10-140 %	19 %	<55 %
Pyrene, %	61 %	10-133 %	8.7 %	<42 %
Batch ID	SM091003M	SM091003M	SM091003M	SM091003M
Polynuclear Aromatics (8270)				
Acenaphthene, %	*F62	*F62	*F62	*F62
Benzo(a)pyrene, %	*F62	*F62	*F62	*F62
Fluorene, %	*F62	*F62	*F62	*F62
Naphthalene, %	*F62	*F62	*F62	*F62
Pyrene, %	*F62	*F62	*F62	*F62
Batch ID	SM091003L	SM091003L	SM091003L	SM091003L

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-22	Matrix Spike Duplicate % Recovery		JETC01
73924-24	MS Accuracy Advisory Limit (%R)		JETC01
73924-25	Precision (%RPD) MS/MSD		JETC01
73924-26	MS Precision Advisory Limit (%RPD)		JETC01

PARAMETER	73924-22	73924-24	73924-25	73924-26
Petroleum Range Organics (FL-PRO)				
Petroleum Hydrocarbons , mg/kg	*F62	*F62	*F62	*F62
TCL - Pesticides/PCB's (8081/8082)				
gamma-BHC (Lindane), %	*F62	*F62	*F62	*F62
Heptachlor, %	*F62	*F62	*F62	*F62
Aldrin, %	*F62	*F62	*F62	*F62
Dieldrin, %	*F62	*F62	*F62	*F62
Endrin, %	*F62	*F62	*F62	*F62
4,4'-DDT, %	*F62	*F62	*F62	*F62
Batch ID	SG091003H	SG091003H	SG091003H	SG091003H
Chlorinated Herbicides (8151)				
2,4-D, %	121 %	19-153 %	5.7 %	<47 %
2,4,5-TP (Silvex), %	107 %	27-120 %	6.4 %	<51 %
2,4,5-T, %	118 %	14-143 %	3.0 %	<59 %
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	---	30-189 %	---	---
Batch ID	SG090903H	SG090903H	SG090903H	SG090903H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-22	Matrix Spike Duplicate % Recovery		JETC01
73924-24	MS Accuracy Advisory Limit (%R)		JETC01
73924-25	Precision (%RPD) MS/MSD		JETC01
73924-26	MS Precision Advisory Limit (%RPD)		JETC01

PARAMETER	73924-22	73924-24	73924-25	73924-26
TAL Metals (6010)				
Aluminum, %	0 %F61	75-125 %	*F61	<20 %
Antimony, %	62 %*F73	75-125 %	0 %	<20 %
Arsenic, %	85 %	75-125 %	5.4 %	<20 %
Barium, %	100 %	75-125 %	2.9 %	<20 %
Beryllium, %	93 %	75-125 %	1.8 %	<20 %
Cadmium, %	87 %	75-125 %	2.2 %	<20 %
Calcium, %	0 %*F61	75-125 %	*F61	<20 %
Chromium, %	95 %	75-125 %	2.3 %	<20 %
Cobalt, %	89 %	75-125 %	4.2 %	<20 %
Copper, %	94 %	75-125 %	3.5 %	<20 %
Iron, %	0 %*F61	75-125 %	*F61	<20 %
Lead, %	91 %	75-125 %	3.4 %	<20 %
Magnesium, %	0 %*F61	75-125 %	*F61	<20 %
Manganese, %	67 %*F73	75-125 %	0 %	<20 %
Nickel, %	90 %	75-125 %	3.8 %	<20 %
Potassium, %	0 %	75-125 %	*F61	<20 %
Selenium, %	82 %	75-125 %	0 %	<20 %
Silver, %	93 %	75-125 %	2.0 %	<20 %
Sodium, %	0 %*F61	75-125 %	*F61	<20 %
Thallium, %	86 %	75-125 %	0 %	<20 %
Vanadium, %	93 %	75-125 %	2.4 %	<20 %
Zinc, %	83 %	75-125 %	1.6 %	<20 %
Batch ID	ME091003C	ME091003C	ME091003C	ME091003C

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-22	Matrix Spike Duplicate % Recovery		JETC01
73924-24	MS Accuracy Advisory Limit (%R)		JETC01
73924-25	Precision (%RPD) MS/MSD		JETC01
73924-26	MS Precision Advisory Limit (%RPD)		JETC01

PARAMETER	73924-22	73924-24	73924-25	73924-26
Mercury (7471), %	88 %	80-120 %	0 %	<20 %
Batch ID	ME091003R	ME091003R	ME091003R	ME091003R

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3				
TCL Volatiles by GC/MS (8260)					
Chloromethane, ug/kg dw	10U				
Bromomethane (Methyl bromide), ug/kg dw	10U				
Vinyl chloride, ug/kg dw	10U				
Chloroethane, ug/kg dw	10U				
Methylene chloride (Dichloromethane), ug/kg dw	5.0U				
Acetone, ug/kg dw	50U				
Carbon disulfide, ug/kg dw	5.0U				
1,1-Dichloroethene, ug/kg dw	5.0U				
1,1-Dichloroethane, ug/kg dw	5.0U				
cis-1,2-Dichloroethylene, ug/kg dw	5.0U				
trans-1,2-Dichloroethene, ug/kg dw	5.0U				
Chloroform, ug/kg dw	5.0U				
1,2-Dichloroethane, ug/kg dw	5.0U				
2-Butanone (MEK), ug/kg dw	25U				
1,1,1-Trichloroethane, ug/kg dw	5.0U				
Carbon tetrachloride, ug/kg dw	5.0U				
Bromodichloromethane, ug/kg dw	5.0U				
1,2-Dichloropropane, ug/kg dw	5.0U				
cis-1,3-Dichloropropene, ug/kg dw	5.0U				
Trichloroethene, ug/kg dw	5.0U				
Dibromochloromethane, ug/kg dw	5.0U				
1,1,2-Trichloroethane, ug/kg dw	5.0U				

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3		
Benzene, ug/kg dw	5.0U		
trans-1,3-Dichloropropene, ug/kg dw	5.0U		
Bromoform, ug/kg dw	5.0U		
4-Methyl-2-pentanone (MIBK), ug/kg dw	25U		
2-Hexanone, ug/kg dw	25U		
Tetrachloroethene, ug/kg dw	5.0U		
Toluene, ug/kg dw	5.0U		
1,1,2,2-Tetrachloroethane, ug/kg dw	5.0U		
Chlorobenzene, ug/kg dw	5.0U		
Ethylbenzene, ug/kg dw	5.0U		
Styrene, ug/kg dw	5.0U		
Xylenes, Total, ug/kg dw	5.0U		
Surrogate - Dibromofluoromethane	100 %		
Surrogate - Toluene-d8	78 %		
Surrogate - 4-Bromofluorobenzene	82 %		
Prep Date	09.10.03		
Analysis Date	09.10.03		
Batch ID	VM090903M		

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3				
TCL - Semivolatiles (8270)					
Phenol, ug/kg dw	330U				
bis(2-Chloroethyl)ether, ug/kg dw	330U				
2-Chlorophenol, ug/kg dw	330U				
1,3-Dichlorobenzene, ug/kg dw	330U				
1,4-Dichlorobenzene, ug/kg dw	330U				
1,2-Dichlorobenzene, ug/kg dw	330U				
2-Methylphenol (o-Cresol), ug/kg dw	330U				
2,2'-Oxybis(1-chloropropane)[bis(2-Chloroisopropy 1)ether], ug/kg dw	330U				
3-Methylphenol/4-Methylphenol (m&p-Cresol), ug/kg dw	330U				
N-Nitroso-di-n-propylamine, ug/kg dw	330U				
Hexachloroethane, ug/kg dw	330U				
Nitrobenzene, ug/kg dw	330U				
Isophorone, ug/kg dw	330U				
2-Nitrophenol, ug/kg dw	330U				
2,4-Dimethylphenol, ug/kg dw	330U				
bis(2-Chloroethoxy)methane, ug/kg dw	330U				
2,4-Dichlorophenol, ug/kg dw	330U				
1,2,4-Trichlorobenzene, ug/kg dw	330U				
4-Chloroaniline, ug/kg dw	660U				
Hexachlorobutadiene, ug/kg dw	330U				
4-Chloro-3-methylphenol, ug/kg dw	330U				

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
Hexachlorocyclopentadiene, ug/kg dw	330U
2,4,6-Trichlorophenol, ug/kg dw	330U
2,4,5-Trichlorophenol, ug/kg dw	330U
2-Chloronaphthalene, ug/kg dw	330U
2-Nitroaniline, ug/kg dw	1700U
Dimethylphthalate, ug/kg dw	330U
2,6-Dinitrotoluene, ug/kg dw	330U
3-Nitroaniline, ug/kg dw	1700U
2,4-Dinitrophenol, ug/kg dw	1700U
4-Nitrophenol, ug/kg dw	1700U
Dibenzofuran, ug/kg dw	330U
2,4-Dinitrotoluene, ug/kg dw	330U
Diethylphthalate, ug/kg dw	330U
4-Chlorophenylphenyl ether, ug/kg dw	330U
4-Nitroaniline, ug/kg dw	1700U
4,6-Dinitro-2-methylphenol, ug/kg dw	1700U
N-Nitrosodiphenylamine, ug/kg dw	330U
4-Bromophenylphenyl ether, ug/kg dw	330U
Hexachlorobenzene, ug/kg dw	330U
Pentachlorophenol, ug/kg dw	1700U
Carbazole, ug/kg dw	330U
Di-n-butylphthalate, ug/kg dw	330U
Butylbenzylphthalate, ug/kg dw	330U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3				
3,3'-Dichlorobenzidine, ug/kg dw	660U				
bis(2-Ethylhexyl)phthalate, ug/kg dw	330U				
Di-n-octylphthalate, ug/kg dw	330U				
Surrogate - 2-Fluorophenol	42 %				
Surrogate - Phenol-d5	48 %				
Surrogate - Nitrobenzene - d5	45 %				
Surrogate - 2-Fluorobiphenyl	45 %				
Surrogate - 2,4,6-Tribromophenol	45 %				
Surrogate - Terphenyl-d14	52 %				
Prep Date	09.10.03				
Analysis Date	09.11.03				
Batch ID	SM091003M				

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
Polynuclear Aromatics (8270)	
Acenaphthene, ug/kg dw	6.7U
Acenaphthylene, ug/kg dw	6.7U
Anthracene, ug/kg dw	6.7U
Benzo(a)anthracene, ug/kg dw	6.7U
Benzo(a)pyrene, ug/kg dw	6.7U
Benzo(b)fluoranthene, ug/kg dw	6.7U
Benzo(g,h,i)perylene, ug/kg dw	6.7U
Benzo(k)fluoranthene, ug/kg dw	6.7U
Chrysene, ug/kg dw	6.7U
Dibenzo(a,h)anthracene, ug/kg dw	6.7U
Fluoranthene, ug/kg dw	6.7U
Fluorene, ug/kg dw	6.7U
Indeno(1,2,3-cd)pyrene, ug/kg dw	6.7U
Naphthalene, ug/kg dw	6.7U
Phenanthrene, ug/kg dw	6.7U
Pyrene, ug/kg dw	6.7U
1-Methylnaphthalene, ug/kg dw	6.7U
2-Methylnaphthalene, ug/kg dw	6.7U
Surrogate - o-Terphenyl	48 %
Prep Date	09.10.03
Analysis Date	09.12.03
Batch ID	SM091003L

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
Petroleum Range Organics (FL-PRO)	
Petroleum Hydrocarbons , mg/kg dw	10U
Surrogate, o-Terphenyl	48 %
Surrogate-C39	37 %
Prep Date	09.10.03
Analysis Date	09.12.03
Batch ID	SG091003J

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
TCL - Pesticides/PCB's (8081/8082)	
alpha-BHC, ug/kg dw	1.7U
beta-BHC, ug/kg dw	1.7U
delta-BHC, ug/kg dw	1.7U
gamma-BHC (Lindane), ug/kg dw	1.7U
Heptachlor, ug/kg dw	1.7U
Aldrin, ug/kg dw	1.7U
Heptachlor epoxide, ug/kg dw	1.7U
Endosulfan I, ug/kg dw	1.7U
Dieldrin, ug/kg dw	3.3U
4,4'-DDE, ug/kg dw	3.3U
Endrin, ug/kg dw	3.3U
Endosulfan II, ug/kg dw	3.3U
4,4'-DDD, ug/kg dw	3.3U
Endosulfan sulfate, ug/kg dw	3.3U
4,4'-DDT, ug/kg dw	3.3U
Methoxychlor, ug/kg dw	17U
Endrin ketone, ug/kg dw	3.3U
Endrin aldehyde, ug/kg dw	3.3U
alpha-Chlordane, ug/kg dw	1.7U
gamma-Chlordane, ug/kg dw	1.7U
Toxaphene, ug/kg dw	170U
Aroclor-1016, ug/kg dw	33U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
Aroclor-1221, ug/kg dw	67U
Aroclor-1232, ug/kg dw	33U
Aroclor-1242, ug/kg dw	33U
Aroclor-1248, ug/kg dw	33U
Aroclor-1254, ug/kg dw	33U
Aroclor-1260, ug/kg dw	33U
Surrogate - Dibutyl Chlorendate	55 %
Surrogate - Tetrachloro-m-xylene	67 %
Surrogate - Decachlorobiphenyl	73 %
Prep Date	09.11.03
Analysis Date	09.12.03
Batch ID	SG091103H

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3		
Chlorinated Herbicides (8151)			
Bentazon, ug/kg dw	35U		
2,4-D, ug/kg dw	8.3U		
Dalapon, ug/kg dw	2000U		
2,4-DB, ug/kg dw	8.3U		
Dicamba, ug/kg dw	20U		
Dichloroprop, ug/kg dw	100U		
Dinoseb, ug/kg dw	100U		
MCPA[(4-chloro-2-methylphenoxy)-acetic acid], ug/kg dw	2000U		
MCPP[2-(4-chloro-2-methylphenoxy)-propanoic acid], ug/kg dw	2000U		
Pentachlorophenol, ug/kg dw	17U		
Picloram, ug/kg dw	3.3U		
2,4,5-TP (Silvex), ug/kg dw	8.3U		
2,4,5-T, ug/kg dw	8.3U		
Surrogate-2,4-Dichlorophenyl acetic acid (DCAA)	101 %		
Prep Date	09.09.03		
Analysis Date	09.12.03		
Batch ID	SG090903H		

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3		
TAL Metals (6010)			
Aluminum, mg/kg dw	20U		
Antimony, mg/kg dw	2.0U		
Arsenic, mg/kg dw	1.0U		
Barium, mg/kg dw	1.0U		
Beryllium, mg/kg dw	0.40U		
Cadmium, mg/kg dw	0.50U		
Calcium, mg/kg dw	50U		
Chromium, mg/kg dw	1.0U		
Cobalt, mg/kg dw	1.0U		
Copper, mg/kg dw	2.0U		
Iron, mg/kg dw	5.0U		
Lead, mg/kg dw	0.50U		
Magnesium, mg/kg dw	50U		
Manganese, mg/kg dw	1.0U		
Nickel, mg/kg dw	4.0U		
Potassium, mg/kg dw	100U		
Selenium, mg/kg dw	1.0U		
Silver, mg/kg dw	1.0U		
Sodium, mg/kg dw	50U		
Thallium, mg/kg dw	1.0U		
Vanadium, mg/kg dw	1.0U		
Zinc, mg/kg dw	2.0U		
Prep Date	09.10.03		
Analysis Date	09.11.03		
Batch ID	ME091003C		

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID	DATE/ TIME SAMPLED	SDG#
73924-3	Method Blank		JETC01

PARAMETER	73924-3
Mercury (7471), mg/kg dw	0.020U
Prep Date	09.10.03
Analysis Date	09.10.03
Batch ID	ME091003R
pH (150.1)	---

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-6	Method Blank		JETC01

PARAMETER	73924-6
TCL Volatiles by GC/MS (8260)	
Chloromethane, ug/l	1.0U
Bromomethane (Methyl bromide), ug/l	1.0U
Vinyl chloride, ug/l	1.0U
Chloroethane, ug/l	1.0U
Methylene chloride (Dichloromethane), ug/l	5.0U
Acetone, ug/l	25U
Carbon disulfide, ug/l	1.0U
1,1-Dichloroethene, ug/l	1.0U
1,1-Dichloroethane, ug/l	1.0U
cis-1,2-Dichloroethylene, ug/l	1.0U
trans-1,2-Dichloroethene, ug/l	1.0U
Chloroform, ug/l	1.0U
1,2-Dichloroethane, ug/l	1.0U
2-Butanone (MEK), ug/l	10U
1,1,1-Trichloroethane, ug/l	1.0U
Carbon tetrachloride, ug/l	1.0U
Bromodichloromethane, ug/l	1.0U
1,2-Dichloropropane, ug/l	1.0U
cis-1,3-Dichloropropene, ug/l	1.0U
Trichloroethene, ug/l	1.0U
Dibromochloromethane, ug/l	1.0U
1,1,2-Trichloroethane, ug/l	1.0U

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-6	Method Blank		JETC01

PARAMETER	73924-6
Benzene, ug/l	1.0U
trans-1,3-Dichloropropene, ug/l	1.0U
Bromoform, ug/l	1.0U
4-Methyl-2-pentanone (MIBK), ug/l	10U
2-Hexanone, ug/l	10U
Tetrachloroethene, ug/l	1.0U
Toluene, ug/l	1.0U
1,1,2,2-Tetrachloroethane, ug/l	1.0U
Chlorobenzene, ug/l	1.0U
Ethylbenzene, ug/l	1.0U
Styrene, ug/l	1.0U
Xylenes, Total, ug/l	2.0U
Surrogate - Dibromofluoromethane	112 %
Surrogate - Toluene-d8	104 %
Surrogate - 4-Bromofluorobenzene	100 %
Prep Date	09.09.03
Analysis Date	09.09.03
Batch ID	VM090903N

LOG NO: T3-73924
Received: 06 SEP 03
Reported: 15 SEP 03

Mr. Rick McCann
Aerostar Environmental Services, Inc.
11181 St. Johns Industrial Parkway, N
Jacksonville, FL 32246

Client PO. No.: 0103-329-09
Cl Project No: 171591

Project: JETC and Building 271
Sampled By: Client
Code: 134430918

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , QC REPORT FOR LIQUID SAMPLES	DATE/ TIME SAMPLED	SDG#
73924-6	Method Blank		JETC01

PARAMETER	73924-6				

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Method: EPA SW-846, Update III; FL-PRO

Florida Department of Health Certification No.: E81005

U Analyzed for but not detected.

J Estimated value; reported between the Method Detection Limit (MDL) and the Reporting Limit (RL).

B Estimated value; reported between the Instrument Detection Limit (IDL) and the Reporting Limit (RL).

* Reported down to the Method Detection Limit.

*F61 = Recovery of the Matrix Spike is outside advisory limits due to the abundance of target analyte in the sample.

*F73 = The recovery of the Matrix Spike is outside advisory limits due to matrix interference in the sample.

*F99 = % RPD is outside advisory limits.

*F86 = Because spikes are not appropriate for this method, reported precision was calculated from duplicate analysis of a sample in the batch.