(4)

NEW YORK STATE SUPERFUND CONTRACT
IMMEDIATE INVESTIGATION WORK ASSIGNMENT

VOLUME II

APPENDIX C

RECEIVED
MAR 29 1999

Atlas Graphics
Site No. 1-30-043B
Work Assignment No. D002676-20
DATE: March 1999

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233
John Cahill, *Commissioner*

Division of Environmental Remediation
Michael J. O'Toole, *Director*

By:
Lawler, Matusky & Skelly Engineers LLP

APPENDIX C

Analytical Data Summary Sheets

CHEMTECH
110 Route 4
Englewood, New Jersey 07631
Phone: (201) 567-6868 Fax: (201) 567-1333

512 Route 9
Forked River, New Jersey 08731
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DATA PACKAGE FOR VOLATILE ORGANICS

PART I

WCIA ATLAS GRAPHICS CASE RA097 SDG 0122

NYSDEC REGION 0
ROOM 260A
50 WOLF ROAD
ALBANY, NY 12233-7010

CHEMTECH PROJECT NO. **5252DEC**
ATTENTION **JOE JONES**
JENNIFER MORSE



Since 1967

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Chemtech Consulting Grp CITY/STATE Englewood, NJ
CASE NO. RA097 SDG NO. 0122 SDG NOS. TO FOLLOW ____ ____ ____ SAS NO ____
CONTRACT NO. ____ ASP DATE ____

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II AND III.)

		PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
1.	Inventory Sheet (Form DC-2) (Do not number)	____	____	____	____
2.	SDG Case Narrative	001	002	____	____
3.	Contract Lab Sample Information Sheet (CLSIS)	003	005	____	____
4.	Volatiles Data				
	a. QC Summary				
	Surrogate Percent Recovery Summary (Form II-CLP-VOA)	009	009	____	____
	Lab Control Sample Recovery (Form III-CLP-VOA	010	010	____	____
	Method Blank Summary (Form IV-CLP-VOA)	011	012	____	____
	GC/MS Instrument Performance Check (Form V-CLP-VOA)	013	015	____	____
	Internal Standard Area and RT Summary (Form VIII-CLP-VOA)	016	019	____	____
	b. Sample Data				
	TCL Results (Form I-CLP-VOA)	021	078	____	____
	Tentatively Identified Compounds (Form I-CLP-VOA-TIC)			____	____
	Reconstructed total ion chromatograms (RIC) for each sample			____	____
	For each sample:				
	Raw spectra and background-subtracted mass spectra of target compounds identified			____	____
	Quantitation reports			____	____
	Mass spectra of all reported TICs with three best library matches			____	____
	c. Standards Data (All Instruments)				
	Initial Calibration Data (Form VI-CLP-VOA)	080	081	____	____
	RICs and Quant Reports for all Standards	082	098	____	____
	Continuing Calibration (Form VII-CLP-VOA)	099	102	____	____
	RICs and Quant Reports for all Standards	103	112	____	____
	d. Raw QC Data				
	BFB	114	116	____	____
	Blank Data	117	129	____	____
	Matrix Spike Blank Data	-	-	____	____
	Matrix Spike Data	-	-	____	____
	Matrix Spike Duplicate Data	-	____	____	____
5.	Semivolatiles Data				
	a. QC Summary	-	-	____	____
	Surrogate Percent Recovery Summary (Form II-CLP-SV)	-	-	____	____
	MS/MSD Summary (Form III-CLP-SV)	-	-	____	____
	Method Blank Summary (Form IV-CLP-SV)	-	-	____	____
	GC/MS Instrument Performance Check (Form V-CLP-SV)	-	-	____	____
	Internal Standard Area and RT Summary (Form VIIIB-CLP-SV and Form VIIIC-CLP-SV)	-	-	____	____

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RA097 SDG NO. 0122 SDG NOS. TO FOLLOW _____ _____ _____ SAS NO. _____

	PAGE NOS FROM	PAGE NOS TO	CHECK LAB	CHECK NYSDEC
5. Semivolatiles Data (cont.)				
b. Sample Data				
TCL Results (Form I-CLP-SV)	___	___	___	___
Tentatively Identified Compounds (Form I-CLP-SV-TIC)			___	___
Reconstructed total ion chromatograms (RIC) for each sample			___	___
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified			___	___
Quantitation reports			___	___
Mass spectra of all reported TICs with three best library matches			___	___
GPC chromatograms (if GPC performed)			___	___
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI-CLP-SV)	___	___	___	___
RICs and Quant Reports for all Standards	___	___	___	___
Continuing Calibration (Form VII-CLP-SV)	___	___	___	___
RICs and Quant Reports for all Standards	___	___	___	___
d. QC Data				
DFTPP	___	___	___	___
Blank Data	___	___	___	___
Matrix Spike Blank Data	___	___	___	___
Matrix Spike Data	___	___	___	___
Matrix Spike Duplicate Data	___	___	___	___
6. Pesticides				
a. QC Summary	___	___	___	___
Surrogate Percent Recovery Summary (Form II-CLP-PEST)	___	___	___	___
MS/MSD Summary (Form III-CLP-PEST)	___	___	___	___
Method Blank Summary (Form IV-CLP-PEST)	___	___	___	___
B. Sample Data				
TCL Results (Form I-CLP-PEST)	___	___	___	___
Chromatograms (Primary Column)			___	___
Chromatograms from second GC column confirmation				___
GC integration report or data system printout and calibration plots			___	___
Manual work sheets			___	___
UV traces from GPC (if available)			___	___
For pesticides/Aroclors confirmed by GC/MS, copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			___	___

FORM DC-2-ORG-2

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. KA097 SDG NO. 0122 SDG NOS. TO FOLLOW _____ _____ _____ SAS NO _____

	PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
6. Pesticides Data (cont.)				
c. Standards Data				
Initial Calibration of Single Component Analytes (Form VI-CLP-PEST-1 and PEST-2)				
Initial Calibration of Multicomponent Analytes (Form VI-CLP-PEST-3)				
Analyte Resolution Summary (Form VI-CLP-PEST-4)				
Performance Evaluation Mixture (Form VI-CLP-PEST-5)				
Individual Standard Mixture A (Form VI-CLP-PEST-6)				
Individual Standard Mixture B (Form VI-CLP-PEST-7)				
Calibration Verification Summary (Form VII-CLP-PEST-1)				
Calibration Verification Summary (Form VII-CLP-PEST-2)				
Analytical Sequence (Form VIII-CLP-PEST)				
Florisil Cartridge Check (Form IX-CLP-PEST-1)				
Pesticide GPC Calibration (Form IX-CLP-PEST-2)				
Pesticides Identification Summary for Single Component Analytes (Form X-CLP-PEST-1)				
Pesticides Identification Summary for Single Multicomponent Analytes (Form X-CLP-PEST-2)				
Chromatograms and data system printouts				
A printout of retention times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike Blank Data				
Matrix Spike Data				
Matrix Spike Duplicate Data				
Raw GPC Data				
Raw Florisil Data				
7. Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages				
Internal sample and sample extract transfer chain-of-custody records				
Screening records				
All instrument output, including strip charts from screening activities (describe or list)				
_____				
_____				

FORM DC-2-ORG-3

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RA097 SDG NO. 0122 SDG NOS. TO FOLLOW _____ _____ _____ SAS NO _____

	PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
8. NYSDEC Shipping/Receiving Documents				
Airbills (No. of shipments ____)	131	131	____	____
Chain-of-Custody Records	132	132	____	____
Sample Tags	—	—	____	____
Sample Log-In Sheet (Lab & DC-1)	133	133	____	____
SDG Cover Sheet	134	134	____	____
Miscellaneous Shipping/Receiving Records (describe or list)				
_____	—	—	____	____
_____	—	—	____	____
9. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
_____	—	—	____	____
_____	—	—	____	____
10. Other Records (describe or list)				
Telephone Communication Log	—	—		
_____	—	—	____	____
_____	—	—	____	____

11. Comments: _____

Completed by: CMP (CLP Lab) (Signature) Pflueger (Gen. Reporting Supr) (Printed Name/Title) 10/24/97 (Date)

Verified by: _____ (CLP Lab) (Signature) _____ (Printed Name/Title) _____ (Date)

Audited by: _____ (NYSDEC) (Signature) _____ (Printed Name/Title) _____ (Date)

FORM DC-2-ORG-4

CHEMTECH

CASE NARRATIVE

New York State D.E.C.
LMS Project 650231
WCIA Atlas Graphics Case # RA097
Chemtech Project # 5252DEC

A. Number of Samples and Date of Receipt
4 Aqueous samples were delivered to the laboratory intact on 9/16/97.

B. Parameters
Tests requested on the Chain of Custody were Volatile Organics

C. Analytical Techniques:
Samples were analyzed for Volatiles according to NYSDEC ASP Methodology. The analyses were performed on instrument VOA1, using GC column RTX624 which is 75 meters, 0.53mm ID, 3.0mm df (crossbond 6% cyanopropylphenyl-94%) dimethylpolysiloxane. The Purge Trap was supplied by Supelco, VO CARB 3000, Tekmar 3000.

D. QA/ QC Samples:
The Surrogate Recoveries for each sample are found in Form II-A. Initial Calibration of Single Component Analytes results are found on Form 6 D & E. The Matrix Spike and Matrix Spike Duplicate were analyzed and are reported on Form 3F.

System Monitoring Compound recoveries were acceptable. The MS/ MSD recoveries of Toluene were not acceptable. The RPD of Benzene did not meet requirements. Internal Standard Areas and Retention Times were within QC limits. Calibrations met requirements. Blank VBLK01 analyzed 10/13/97 contained Trichlorofluoromethane. Appropriate results are qualified "B".

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature _____ Name: Divyajit Mehta

Date: 10/24/97 Title: Lab Manager

CHEMTECH

LABORATORY REPORT

COVER PAGE

Lab Name: Chemtech Consulting Group Client: NEW YORK STATE D. E. C.
Lab Code: CHEM Project No.: 5252DEC Project Name: CASE RA097

Client Sample No.	Lab Sample ID
TB	28799
B94865	28800
B94866	28801
B94867	28802

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designed, as verified by the following signature.

Signature: _____ Name: DIVYA MEHTA

Date : 10/24/94 Title: LAB DIRECTOR

110 Route 4
Englewood, New Jersey 07631
Phone: (201) 567-6868 Fax: (201) 567-1333

512 Route 9
Forked River, New Jersey 08731
Phone: (609) 693-2111 Fax: (609) 971-9300

NYSDOH Certification No. 10624
NJDEP Certification No. 02548

NJDEP Certification No. 15004

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. Jones / Jennifer Mauk	TELEPHONE NUMBER: 518 457 4349		REGION NO: 1
CONTRACT LAB: Chemtech	COUNTY: Nassau	SAMPLING DATE: 9/1/97	MILITARY TIME: 0935

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
KA0197	01124	EA14865	☐ This Sample	☒ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT: Chemtech Project 5252DEC Sample 28800

Check if field duplicate	Outfall Number	Check if sampling is part of inspection
☐		☐

SPDES NUMBER/REGISTRY NUMBER

FLOW GPD MGD

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: Jr Jones / Jennifer Moore	TELEPHONE NUMBER: 518 457 4349		REGION NO: 1
CONTRACT LAB: Chemtech	COUNTY: Nassau	SAMPLING DATE: 9 27 97	MILITARY TIME: 1015

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:	
A0117	01121	P6H5K6	☐ This Sample	☐ Composite	☑ Grab ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT: Chemtech Project 5252DEC Sample 28801

Check if field duplicate	Outfall Number	Check if sampling is part of inspection
☐		☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

000004

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
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- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. Jones / Jennifer Mack	TELEPHONE NUMBER: 518 457 4349	REGION NO: 1
CONTRACT LAB: Chemtech	COUNTY: Nassau	SAMPLING DATE: 9/27/97 — MILITARY TIME: 1105

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA1097	01121	1219418107	☐ This Sample	☐ Composite ☒ Grab ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT: Chemtech Project 5252 DEC Sample 28802

Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

VOLATILES DATA

CHEMTECH

DATA REPORTING QUALIFIERS--ORGANIC

For reporting results, the following "Results Qualifiers" are used:

VALUE - If the result is a value greater than or equal to the detection limit, report the value.

U - Indicates the compound was analyzed for, but was not detected. Report the minimum detection limit for the sample with the U, "10U". This is not necessarily the instrument detection limit. The figure represents the minimum detection limit attainable for this particular sample based on any concentration or dilution that may have been required.

J - Indicates an estimated value. This flag is used:

1) When estimating a concentration for tentatively identified compound (library search hits, where a 1:1 response is assumed.)
2) When the mass spectral data indicated the identification criteria, however, the result was less than the specified detection limit but greater than zero. If the detection limit was 10 ug/L and a concentration of 3 ug/L was calculated, report as "3J".

B - Indicates the analyte was found in the blank as well as the sample; report as "12B".

E - Indicates the analyte's concentration exceeds the calibrated range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

P- This flag is used for a Pesticide/Aroclor target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of gthe two values is reported on Form I and flagged with a "P".

N- This flag indicates presumptive evidence of a compound. This flag is only used fore tentatively identified compounds (TICs), where the identificafion is basdd on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

VOLATILES

QC SUMMARY

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

	SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	OTHER #	TOT OUT
01	VBLK01	94	96	98		
02	TB	98	97	100		
03	B94865	102	98	102		
04	B94866	98	95	98		
05	B94867	98	94	97		
06	VBLK02	95	98	100		
07	B94865DL	104	101	106		
08	B94866DL	101	97	102		
09	B94867DL	95	91	95		
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		QC LIMITS
SMC1	= Dibromofluoromethane	(86-118)
SMC2	= Toluene-d8	(88-110)
SMC3	= 4-Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Contract: WOODWARD-CLYDE CONSULTANTS

Lab Code: CHEM Case No.: 5284CLP SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No.: BRMW-14

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	39	78	(61-145)
Trichloroethene	50	0	47	94	(71-120)
Benzene	50	1805	1864	118	(76-127)
Toluene	50	820	794	0 *	(76-125)
Chlorobenzene	50	0	47	94	(75-130)

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MS % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	41	82	5	14	(61-145)
Trichloroethene	50	47	94	0	14	(71-120)
Benzene	50	1855	100	17 *	11	(76-127)
Toluene	50	770	0 *	0	13	(76-125)
Chlorobenzene	50	48	96	2	13	(75-130)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

Comments: _____

_____

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK01

Lab Name: CHEMTECH Contract: NEW YO

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID: V6920.D Lab Sample ID: VBLK01

Date Analyzed: 10/13/97 Time Analyzed: 1608

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TB	O28799	V6922.D	1733
02	B94865	O28800	V6923.D	1816
03	B94866	O28801	V6924.D	1859
04	B94867	O28802	V6925.D	1943
05				
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COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

VBLK02

Lab Name: CHEMTECH Contract: NEW YO

Project No.: 5252DEC Site: Location: Group:

Lab File ID: V6938.D Lab Sample ID: VBLK02

Date Analyzed: 10/14/97 Time Analyzed: 1528

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: VOA1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B94865DL	O28800DL	V6939.D	1609
02	B94866DL	O28801DL	V6940.D	1651
03	B94867DL	O28802DL	V6941.D	1733
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID: V6606.D BFB Injection Date: 9/25/97

Instrument ID: VOA1 BFB Injection Time: 1133

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	44.6
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 % of mass 95	60.4
175	5.0 - 9.0% of mass 174	4.7 (7.9)1
176	95.0 - 101.0% of mass 174	58.9 (97.6)1
177	5.0 - 9.0% of mass 176	4.0 (6.9)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
01	VSTD020	VSTD020	V6608.D	9/25/97	1248
02	VSTD050	VSTD050	V6609.D	9/25/97	1329
03	VSTD010	VSTD005	V6610.D	9/25/97	1414
04	VSTD100	VSTD100	V6611.D	9/25/97	1456
05	VSTD200	VSTD200	V6612.D	9/25/97	1537
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID: V6917.D BFB Injection Date: 10/13/97

Instrument ID: VOA1 BFB Injection Time: 1410

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	43.2
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 % of mass 95	65.4
175	5.0 - 9.0% of mass 174	4.9 (7.5)1
176	95.0 - 101.0% of mass 174	65.0 (99.4)1
177	5.0 - 9.0% of mass 176	4.2 (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:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD0502	V6918.D	10/13/97	1440
02	VBLK01	VBLK01	V6920.D	10/13/97	1608
03	TB	O28799	V6922.D	10/13/97	1733
04	B94865	O28800	V6923.D	10/13/97	1816
05	B94866	O28801	V6924.D	10/13/97	1859
06	B94867	O28802	V6925.D	10/13/97	1943
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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name : CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID: V6935.D BFB Injection Date: 10/14/97

Instrument ID: VOA1 BFB Injection Time: 1333

GC Column: RTX624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	43.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	> 50.0 % of mass 95	64.6
175	5.0 - 9.0% of mass 174	5.1 (7.9)1
176	95.0 - 101.0% of mass 174	64.5 (99.7)1
177	5.0 - 9.0% of mass 176	4.4 (6.9)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
01	VSTD050	VSTD0503	V6936.D	10/14/97	1404
02	VBLK02	VBLK02	V6938.D	10/14/97	1528
03	B94865DL	O28800DL	V6939.D	10/14/97	1609
04	B94866DL	O28801DL	V6940.D	10/14/97	1651
05	B94867DL	O28802DL	V6941.D	10/14/97	1733
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID (Standard): V6918.D Date Analyzed: 10/13/97

Instrument ID: VOA1 Time Analyzed: 1440

GC Column: RTX624 ID: 0.53 (mm) Heated Purge (Y/N) N

		IS1 0 AREA #	RT #	IS2 0 AREA #	RT #	IS3 0 AREA #	RT #
	12 HOUR STD	1827627	9.34	2900602	11.98	3000556	20.25
	UPPER LIMIT	3655254	9.84	5801204	12.48	6001112	20.75
	LOWER LIMIT	913814	8.84	1450301	11.48	1500278	19.75
	SAMPLE NO.						
01	VBLK01	2183836	9.35	3230341	12.00	3283202	20.24
02	TB	2029420	9.38	3098479	12.02	3124984	20.26
03	B94865	1674222	9.39	2538427	12.02	2618008	20.26
04	B94866	1920947	9.38	2904121	12.02	2953462	20.26
05	B94867	1889649	9.39	2840651	12.01	2872275	20.25
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IS1 0 = Pentafluorobenzene
IS2 0 = 1,4-Difluorobenzene
IS3 0 = Chlorobenzene-d5

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: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): _____ Date Analyzed: _____

Instrument ID: _____ Time Analyzed: _____

GC Column: _____ ID: _____(mm) Heated Purge (Y/N) ___

		IS4 0 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1558043	26.10				
	UPPER LIMIT	3116086	26.60				
	LOWER LIMIT	779022	25.60				
	SAMPLE NO.						
01	VBLK01	1770957	26.10				
02	TB	1694578	26.11				
03	B94865	1373467	26.11				
04	B94866	1548842	26.11				
05	B94867	1517168	26.11				
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IS4 0 = 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: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Lab File ID (Standard): V6936.D Date Analyzed: 10/14/97

Instrument ID: VOA1 Time Analyzed: 1404

GC Column: RTX624 ID: 0.53 (mm) Heated Purge (Y/N) N

		IS1 0 AREA #	RT #	IS2 0 AREA #	RT #	IS3 0 AREA #	RT #
	12 HOUR STD	1824627	9.30	2783809	11.95	2835278	20.24
	UPPER LIMIT	3649254	9.80	5567618	12.45	5670556	20.74
	LOWER LIMIT	912314	8.80	1391905	11.45	1417639	19.74
	SAMPLE NO.						
01	VBLK02	2047643	9.31	3000453	11.96	3108603	20.23
02	B94865DL	1521853	9.32	2295006	11.95	2414750	20.23
03	B94866DL	1790971	9.31	2667355	11.94	2783065	20.23
04	B94867DL	1743665	9.32	2638778	11.96	2735950	20.23
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IS1 0 = Pentafluorobenzene
IS2 0 = 1,4-Difluorobenzene
IS3 0 = Chlorobenzene-d5

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: _____

Project No.: _____ Site: _____ Location: _____ Group: _____

Lab File ID (Standard): _____ Date Analyzed: _____

Instrument ID: _____ Time Analyzed: _____

GC Column: _____ ID: _____(mm) Heated Purge (Y/N) ___

		IS4 0 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1494484	26.10				
	UPPER LIMIT	2988968	26.60				
	LOWER LIMIT	747242	25.60				
	SAMPLE NO.						
01	VBLK02	1702343	26.09				
02	B94865DL	1258480	26.09				
03	B94866DL	1461642	26.09				
04	B94867DL	1465506	26.10				
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IS4 0 = 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.

VOLATILES

SAMPLE DATA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28799

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6922.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	5	U
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28799

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6922.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TB

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28799

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6922.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

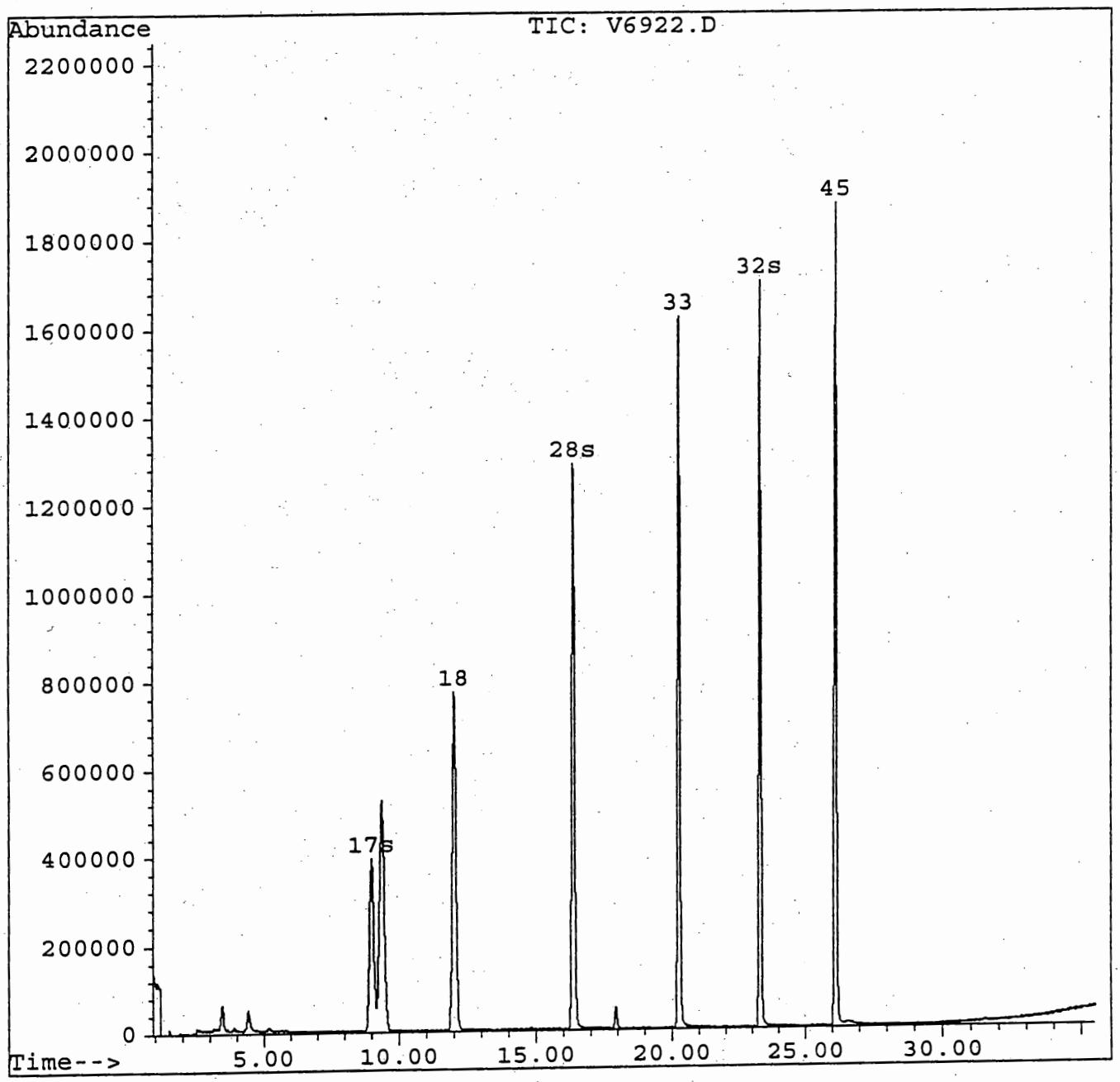
CAS Number	Compound Name	RT	Est. Conc.	Q
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Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6922.D
Acq Time : 13 Oct 97 5:33 pm
Sample : 5252DEC-28799
Misc : 5ML
Quant Time: Oct 23 20:51 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000024

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6922.D
Acq Time : 13 Oct 97 5:33 pm
Sample : 5252DEC-28799
Misc : 5ML
Quant Time: Oct 23 20:51 1997

Operator:
Inst : 5971 - 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Mi
1) Pentafluorobenzene	9.38	168	2029420	50.00	ug/L	0.09
18) 1,4-Difluorobenzene	12.02	114	3098479	50.00	ug/L	0.1
33) Chlorobenzene-d5	20.26	117	3124984	50.00	ug/L	0.2
45) 1,4-dichlorobenzene-d4	26.11	152	1694578	50.00	ug/L	0.09
System Monitoring Compounds						%Recover
17) Dibromofluoromethane	9.02	113	1408492	49.18	ug/L	98.3
28) Toluene-d8	16.36	98	3309923	48.40	ug/L	96.80%
32) 4-Bromofluorobenzene	23.30	95	2220350	50.20	ug/L	100.4
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

000025

Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6922.D
Acq Time : 13 Oct 97 5:33 pm
Sample : 5252DEC-28799
Misc : 5ML

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000026

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94865

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6923.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	5	U
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	130	
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	480	E
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	53	
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

IA

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94865

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6923.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B94865

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6923.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

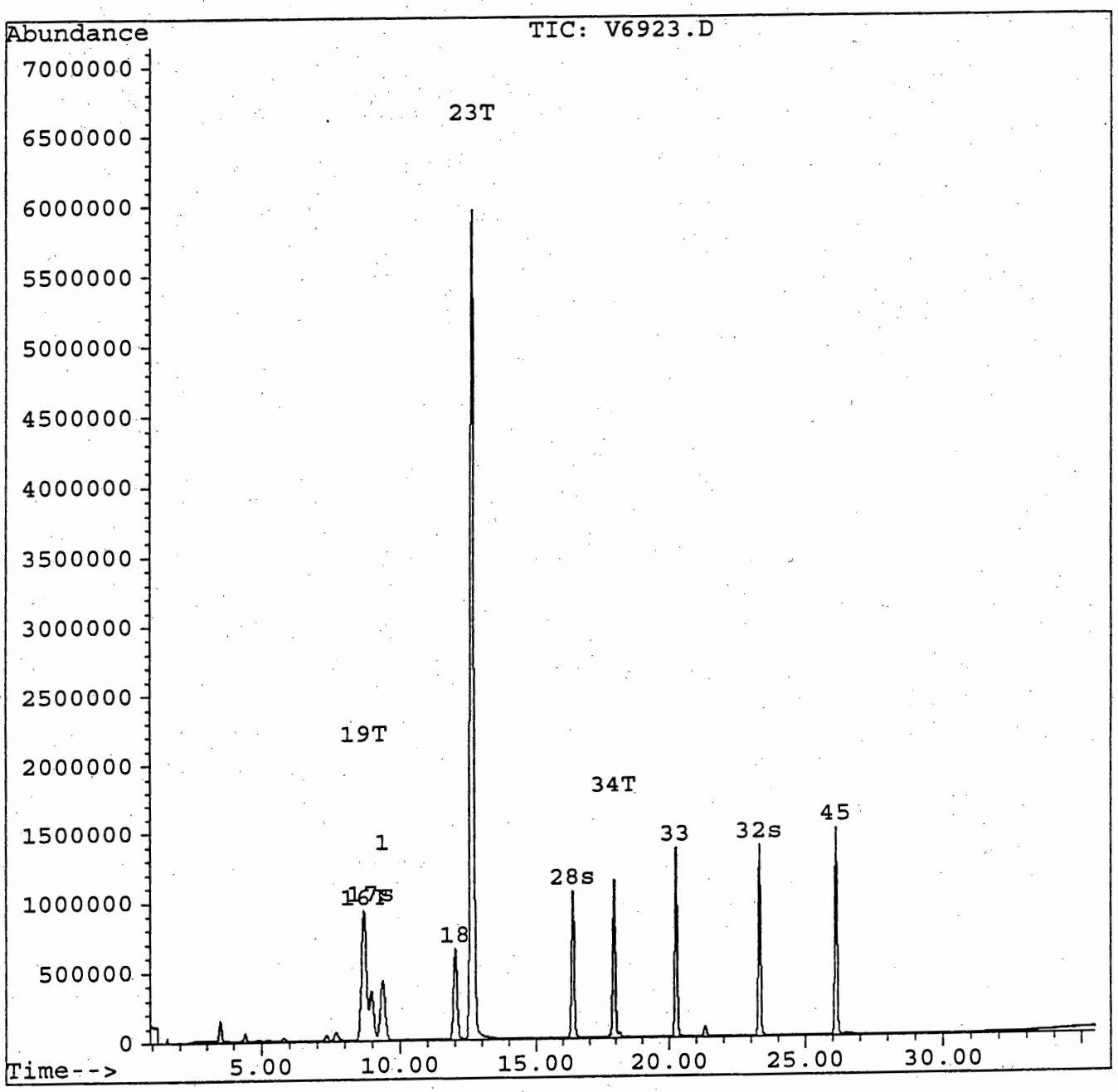
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
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26.				
27.				
28.				
29.				
30.				

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6923.D
Acq Time : 13 Oct 97 6:16 pm
Sample : 5252DEC-28800
Misc : 5ML
Quant Time: Oct 23 20:51 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6923.D
Acq Time : 13 Oct 97 6:16 pm
Sample : 5252DEC-28800
Misc : 5ML
Quant Time: Oct 23 20:51 1997

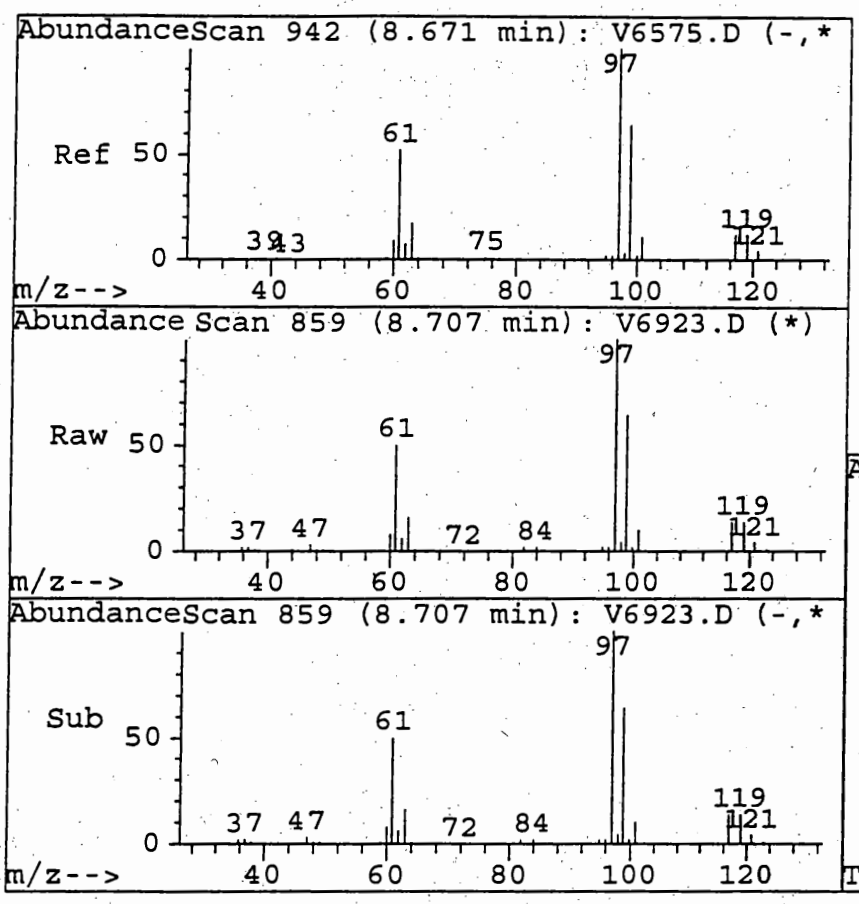
Operator:
Inst : 5971 - 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min
1) Pentafluorobenzene	9.39	168	1674222	50.00	ug/L	0.11
18) 1,4-Difluorobenzene	12.02	114	2538427	50.00	ug/L	0.09
33) Chlorobenzene-d5	20.26	117	2618008	50.00	ug/L	0.25
45) 1,4-dichlorobenzene-d4	26.11	152	1373467	50.00	ug/L	0.09
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.98	113	1204537	50.98	ug/L	101.96
28) Toluene-d8	16.37	98	2733391	48.79	ug/L	97.58%
32) 4-Bromofluorobenzene	23.30	95	1840692	50.80	ug/L	101.60
Target Compounds						Qvalue
16) 1,1,1-trichloroethane	8.71	97	3661283	128.07	ug/L	99
~~19) carbon tetrachloride~~	8.71	117	502254	32.85	ug/L	96
23) trichloroethene	12.65	130	9613599	476.02	ug/L	94
34) tetrachloroethene	17.94	166	1272057	53.42	ug/L	99

10/23/97

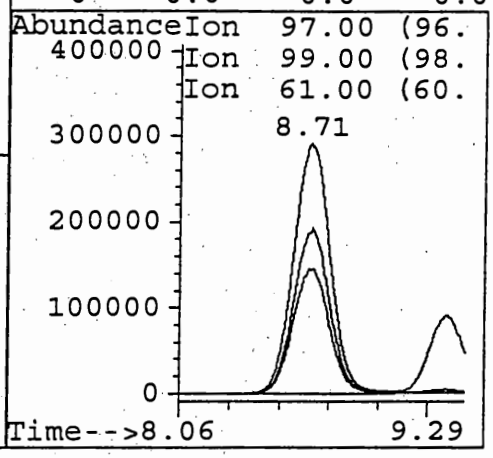
(#) = qualifier out of range (m) = manual integration

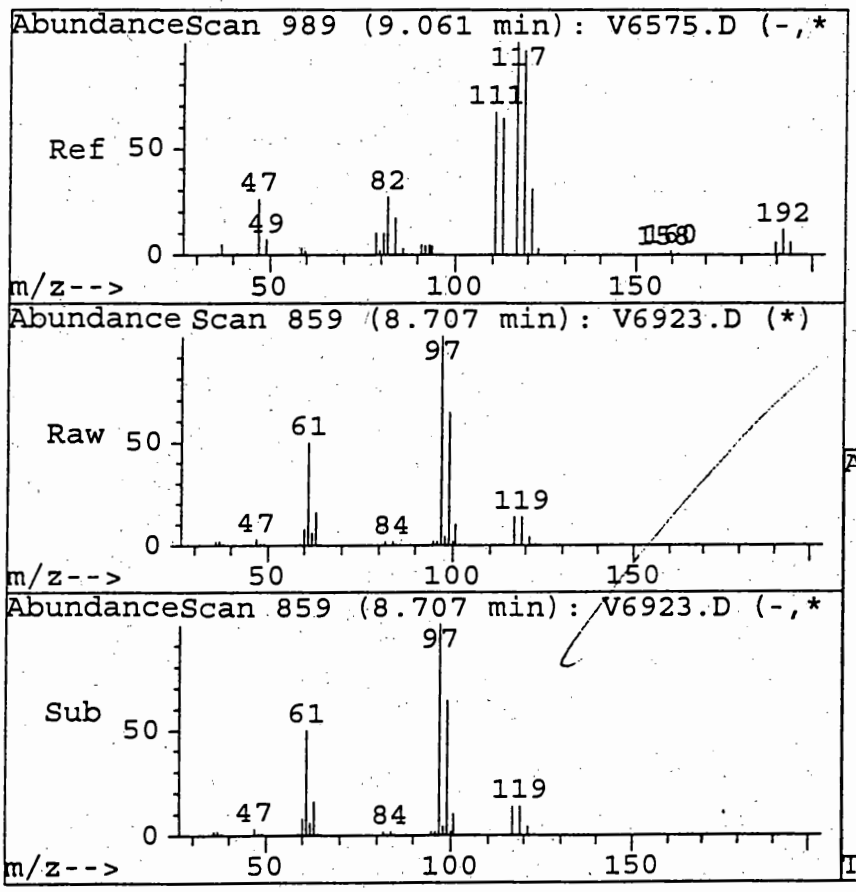


#16
1,1,1-trichloroethane
Concen: 128.07 ug/L
RT: 8.71 min Scan# 859
Delta R.T. 0.11 min
Lab File: V6923.D
Acq: 13 Oct 97 6:16 pm

Tgt Ion:97 Resp: 3661283

Ion	Ratio	Lower	Upper
97	100		
99	64.3	45.7	84.9
61	49.6	34.9	64.7
0	0.0	0.0	0.0

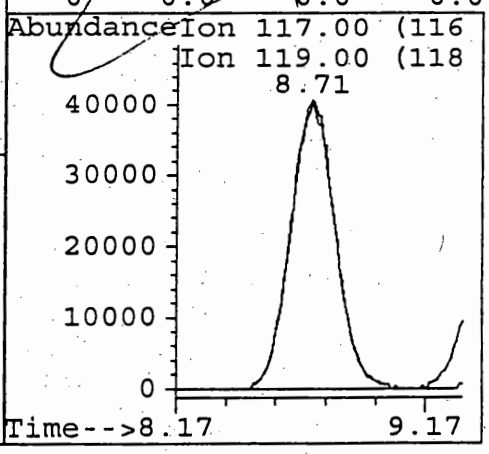


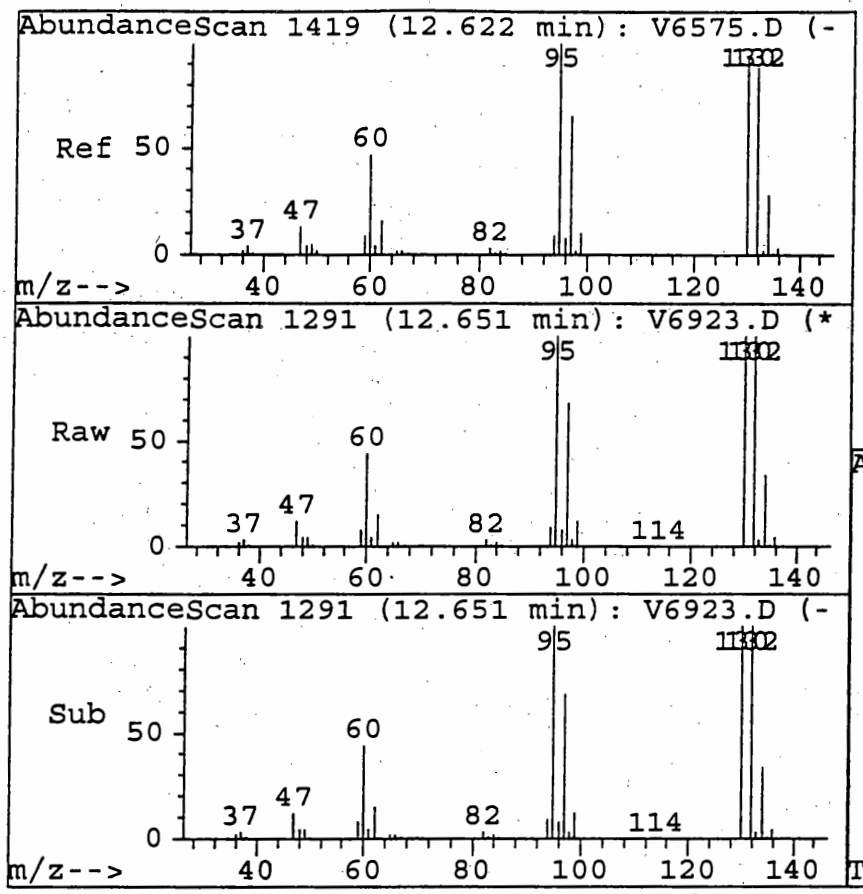


#19
carbon tetrachloride
Concen: 32.85 ug/L
RT: 8.71 min Scan# 859
Delta R.T. -0.31 min
Lab File: V6923.D
Acq: 13 Oct 97 6:16 pm

Tgt Ion:117 Resp: 502254

Ion	Ratio	Lower	Upper
117	100		
119	99.2	66.6	123.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

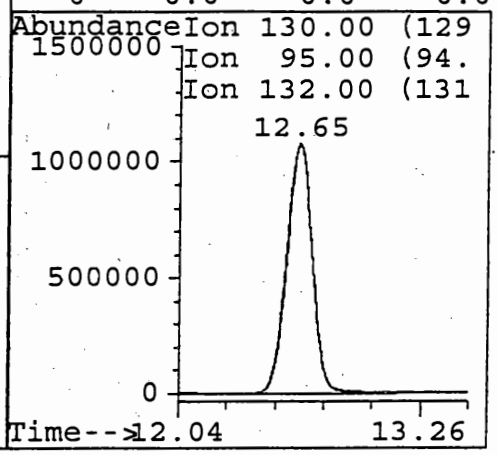


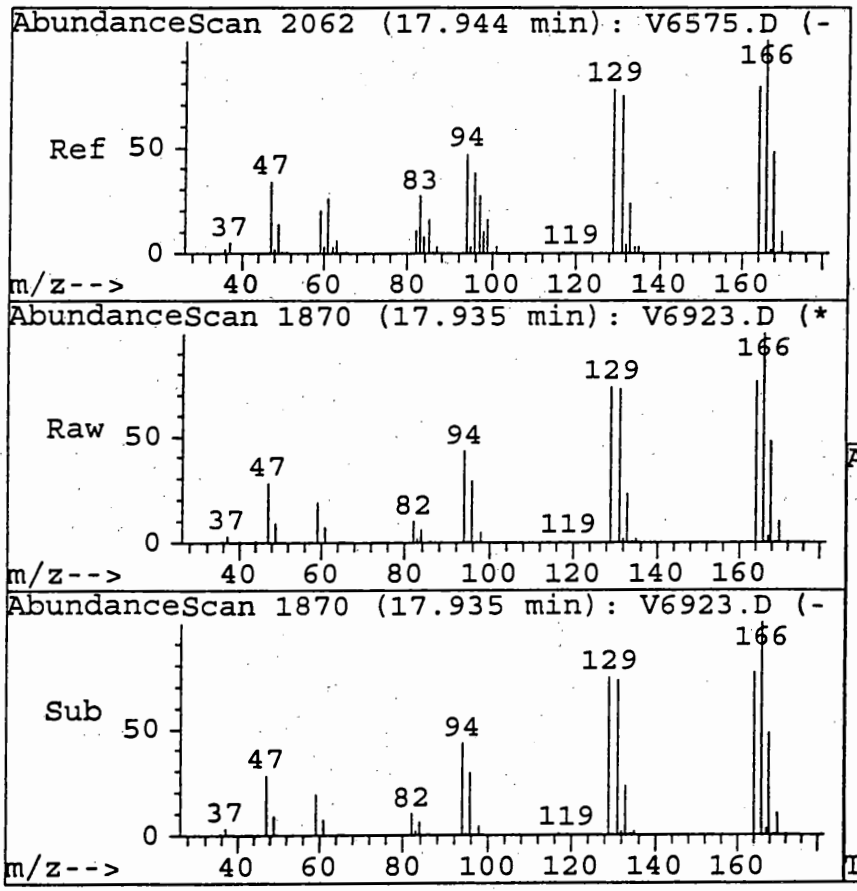


#23
trichloroethene
Concen: 476.02 ug/L
RT: 12.65 min Scan# 1291
Delta R.T. 0.12 min
Lab File: V6923.D
Acq: 13 Oct 97 6:16 pm

Tgt Ion:130 Resp: 9613599

Ion	Ratio	Lower	Upper
130	100		
95	100.3	76.2	141.4
132	100.3	67.2	124.8
0	0.0	0.0	0.0

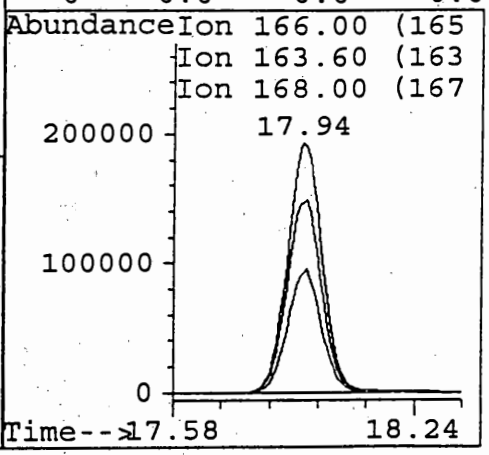




#34
tetrachloroethene
Concen: 53.42 ug/L
RT: 17.94 min Scan# 1870
Delta R.T. 0.23 min
Lab File: V6923.D
Acq: 13 Oct 97 6:16 pm

Tgt Ion:166 Resp: 1272057

Ion	Ratio	Lower	Upper
166	100		
164	75.6	53.6	99.5
168	47.6	33.4	62.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6923.D
Acq Time : 13 Oct 97 6:16 pm
Sample : 5252DEC-28800
Misc : 5ML

Operator:
Inst : 5971 - Ir
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000034

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94865DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6939.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	50	UD
74-87-3	Chloromethane	50	UD
75-01-4	Vinyl Chloride	50	UD
74-83-9	Bromomethane	50	UD
75-00-3	Chloroethane	50	UD
75-69-4	Trichlorofluoromethane	50	UD
75-35-4	1,1-Dichloroethene	50	UD
75-09-2	Methylene Chloride	50	UD
156-60-5	trans-1,2-Dichloroethene	50	UD
75-34-4	1,1-Dichloroethane	50	UD
590-20-7	2,2-Dichloropropane	50	UD
156-60-5	cis-1,2-dichloroethene	50	UD
74-97-5	Bromochloromethane	50	UD
67-66-3	Chloroform	50	UD
71-55-6	1,1,1-Trichloroethane	130	D
56-23-5	Carbon Tetrachloride	50	UD
563-58-6	1,1-Dichloropropene	50	UD
71-43-2	Benzene	50	UD
107-06-2	1,2-Dichloroethane	50	UD
79-01-6	Trichloroethene	570	D
78-87-5	1,2-Dichloropropane	50	UD
74-95-3	Dibromomethane	50	UD
75-27-4	Bromodichloromethane	50	UD
10061-01-5	cis-1,3-Dichloropropene	50	UD
108-88-3	Toluene	50	UD
10061-02-6	trans-1,3-Dichloropropene	50	UD
79-00-5	1,1,2-Trichloroethane	50	UD
127-18-4	Tetrachloroethene	70	D
142-28-9	1,3-Dichloropropane	50	UD
124-48-1	Dibromochloromethane	50	UD
106-93-4	1,2-Dibromoethane	50	UD
108-90-7	Chlorobenzene	50	UD
630-20-6	1,1,1,2-Tetrachloroethane	50	UD

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94865DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6939.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	50	UD
1330-20-7	m&p-xylenes	50	UD
95-47-6	o-xylene	50	UD
100-42-5	Styrene	50	UD
75-25-2	Bromoform	50	UD
98-82-8	isopropylbenzene	50	UD
108-86-1	Bromobenzene	50	UD
79-34-5	1,1,2,2-Tetrachloroethane	50	UD
96-18-4	1,2,3-Trichloropropane	50	UD
103-65-1	n-Propylbenzene	50	UD
95-49-8	2-Chlorotoluene	50	UD
106-43-4	4-Chlorotoluene	50	UD
108-67-8	1,3,5-Trimethylbenzene	50	UD
98-06-6	tert-Butylbenzene	50	UD
95-63-6	1,2,4-Trimethylbenzene	50	UD
135-98-8	sec-Butylbenzene	50	UD
541-73-1	1,3-Dichlorobenzene	50	UD
99-87-6	4-Isopropyltoluene	50	UD
106-46-7	1,4-Dichlorobenzene	50	UD
95-50-1	1,2-Dichlorobenzene	50	UD
104-51-8	n-Butylbenzene	50	UD
96-12-8	1,2-Dibromo-3-chloropropane	50	UD
120-82-1	1,2,4-Trichlorobenzene	50	UD
87-68-3	Hexachlorobutadiene	50	UD
91-20-3	Naphthalene	50	UD
87-61-6	1,2,3-Trichlorobenzene	50	UD

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

B94865DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28800DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6939.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

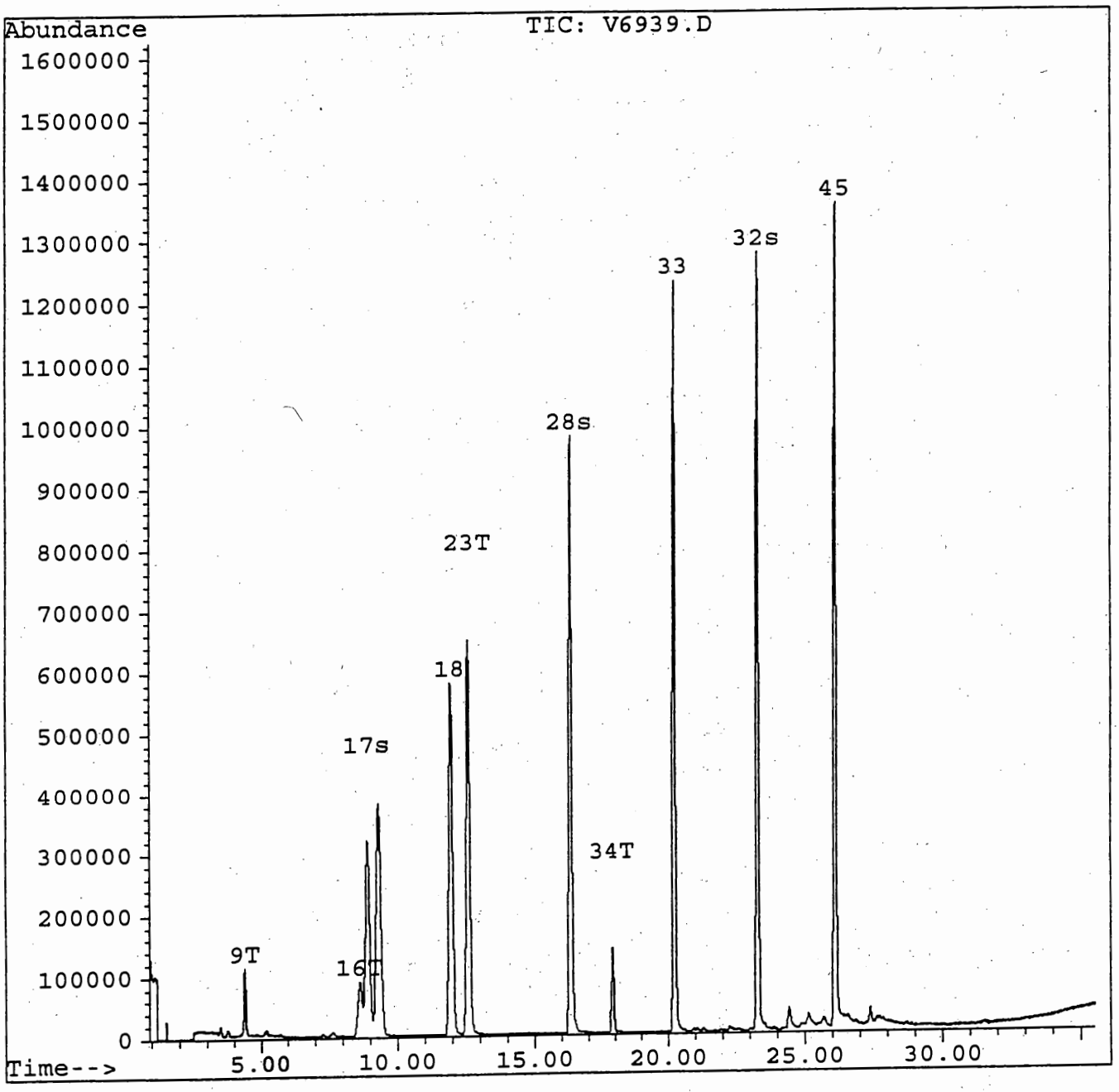
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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24.				
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27.				
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30.				

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6939.D
Acq Time : 14 Oct 97 4:09 pm
Sample : 5252DEC-28800
Misc : 5ML 1:10
Quant Time: Oct 23 20:53 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



Quantitation Report

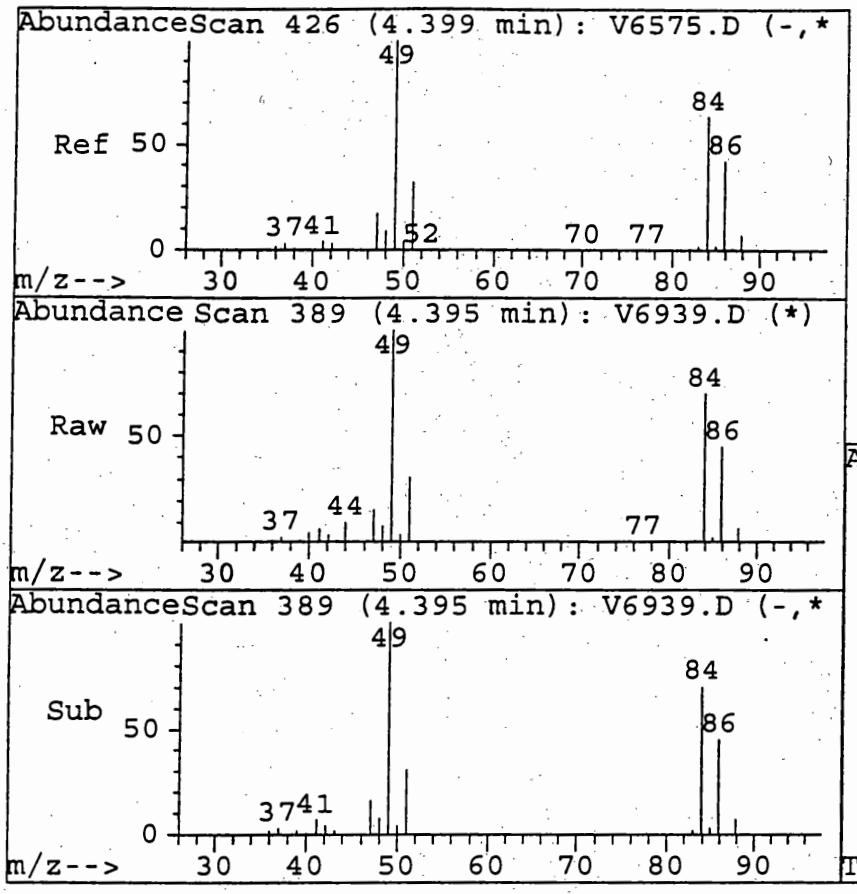
Data File : D:\HPCHEM\1\DATA\V6939.D
Acq Time : 14 Oct 97 4:09 pm
Sample : 5252DEC-28800
Misc : 5ML 1:10
Quant Time: Oct 23 20:53 1997

Operator:
Inst : 5971 - 1r
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Mi
1) Pentafluorobenzene	9.32	168	1521853	50.00	ug/L	0.03
18) 1,4-Difluorobenzene	11.95	114	2295006	50.00	ug/L	0.0
33) Chlorobenzene-d5	20.23	117	2414750	50.00	ug/L	0.2
45) 1,4-dichlorobenzene-d4	26.09	152	1258480	50.00	ug/L	0.07
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.91	113	1115584	51.94	ug/L	103.8
28) Toluene-d8	16.33	98	2550458	50.35	ug/L	100.70%
32) 4-Bromofluorobenzene	23.27	95	1731276	52.85	ug/L	105.7
Target Compounds						Qvalue
~~9) methylene chloride~~	4.39	84	115657	6.09	ug/L	92
16) 1,1,1-trichloroethane	8.64	97	342823	13.19	ug/L	99
23) trichloroethene	12.59	130	1032772	56.56	ug/L	97
34) tetrachloroethene	17.91	166	153142	6.97	ug/L	98

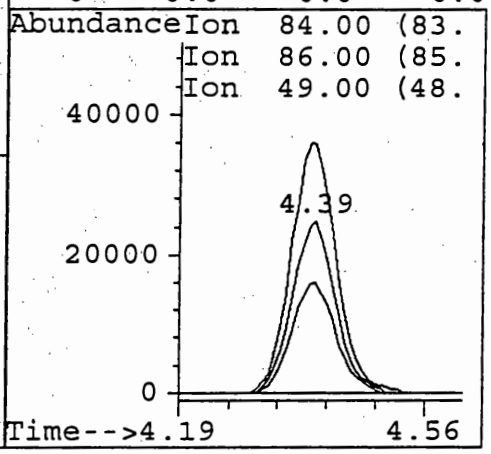
(#) = qualifier out of range (m) = manual integration

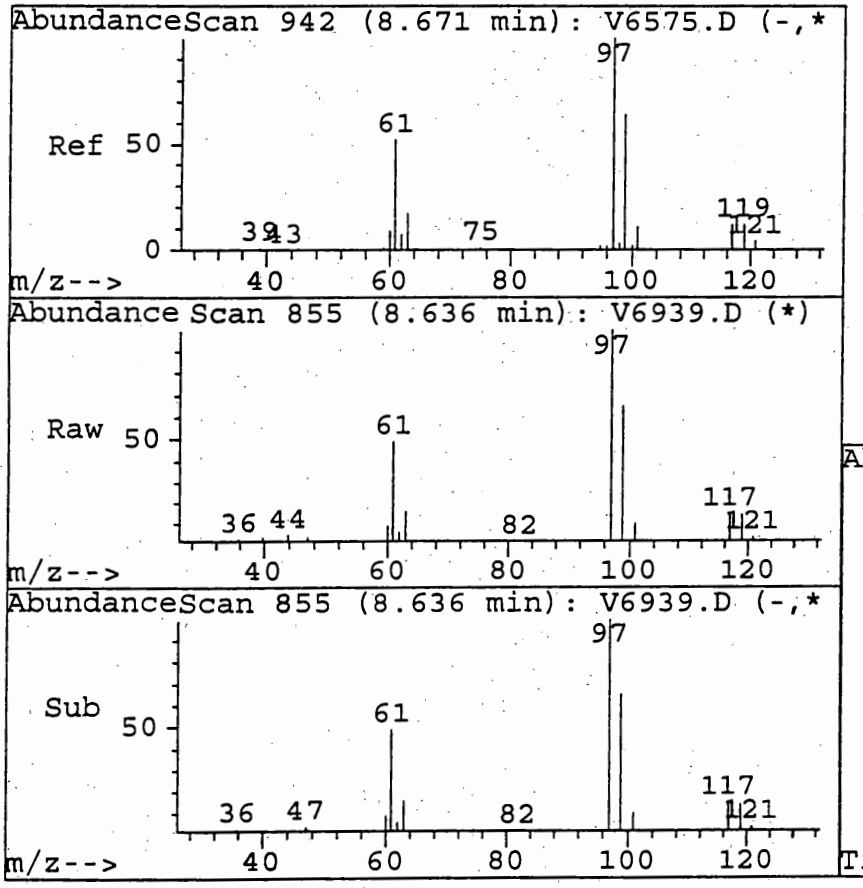


#9
methylene chloride
Concen: 6.09 ug/L
RT: 4.39 min Scan# 389
Delta R.T. 0.01 min
Lab File: V6939.D
Acq: 14 Oct 97 4:09 pm

Tgt Ion:84 Resp: 115657

Ion	Ratio	Lower	Upper
84	100		
86	64.6	47.0	87.2
49	143.6	110.4	205.0
0	0.0	0.0	0.0

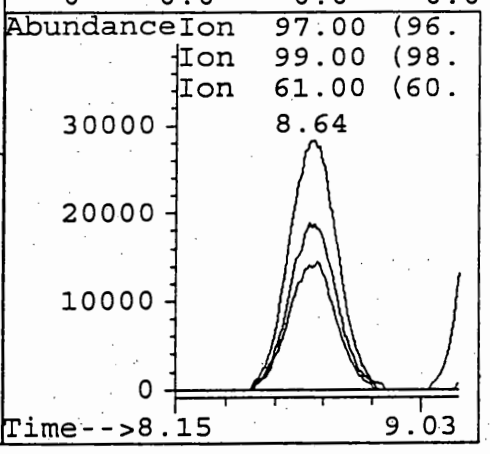


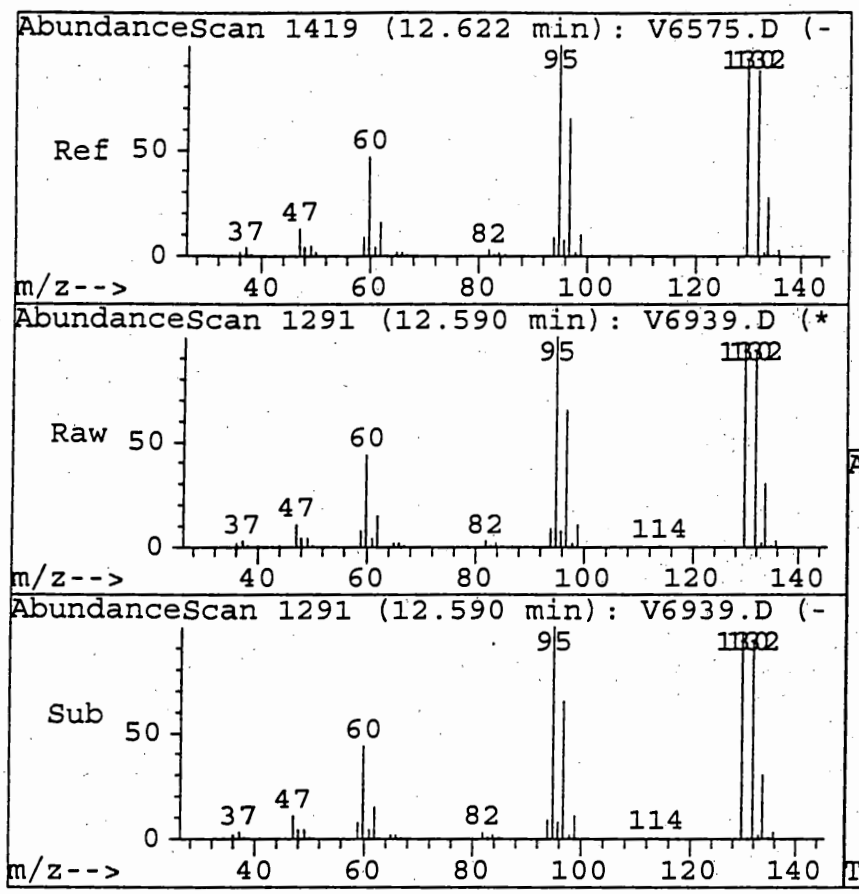


#16
1,1,1-trichloroethane
Concen: 13.19 ug/L
RT: 8.64 min Scan# 855
Delta R.T. 0.04 min
Lab File: V6939.D
Acq: 14 Oct 97 4:09 pm

Tgt Ion:97 Resp: 342823

Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.7	84.9
61	48.8	34.9	64.7
0	0.0	0.0	0.0

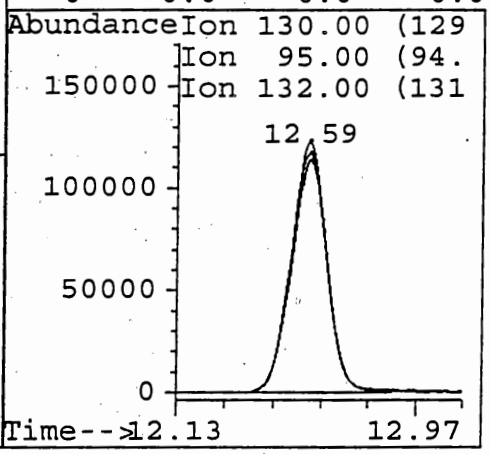


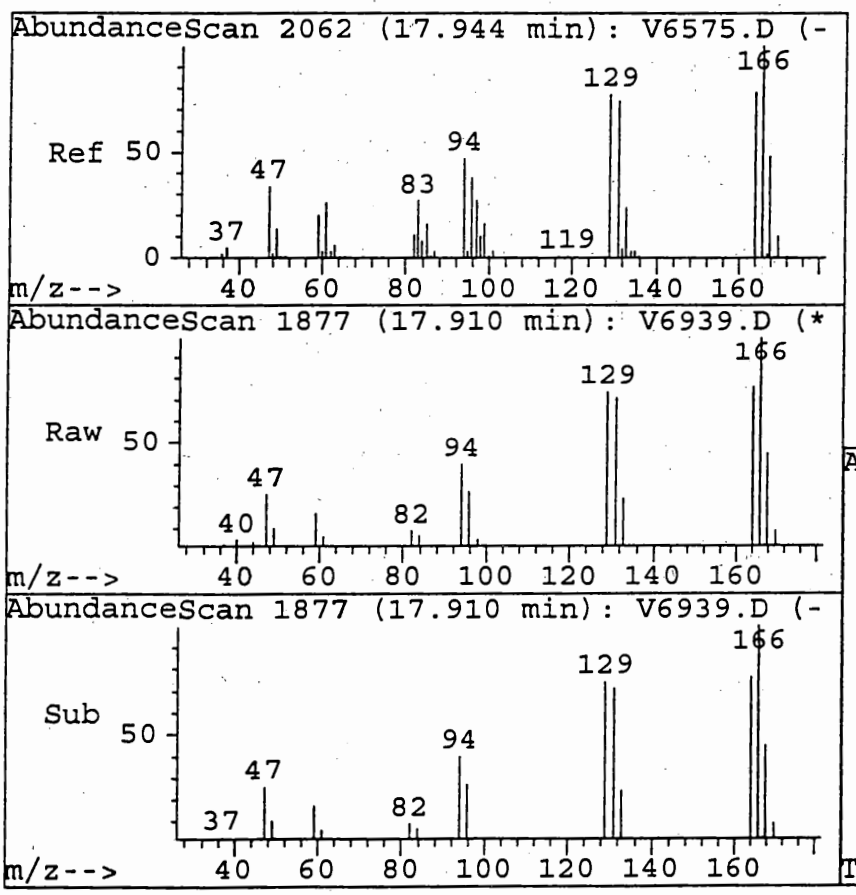


#23
trichloroethene
Concen: 56.56 ug/L
RT: 12.59 min Scan# 1291
Delta R.T. 0.06 min
Lab File: V6939.D
Acq: 14 Oct 97 4:09 pm

Tgt Ion:130 Resp: 1032772

Ion	Ratio	Lower	Upper
130	100		
95	103.6	76.2	141.4
132	96.3	67.2	124.8
0	0.0	0.0	0.0

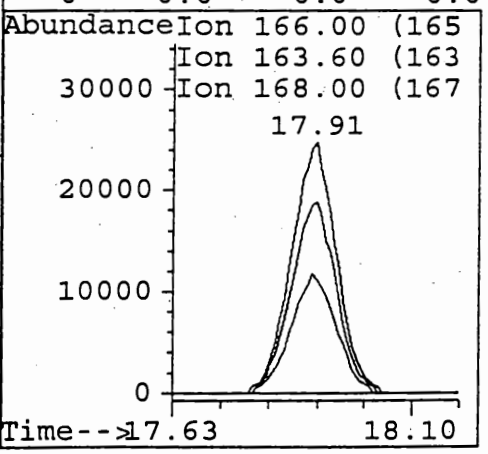




#34
tetrachloroethene
Concen: 6.97 ug/L
RT: 17.91 min Scan# 1877
Delta R.T. 0.21 min
Lab File: V6939.D
Acq: 14 Oct 97 4:09 pm

Tgt Ion:166 Resp: 153142

Ion	Ratio	Lower	Upper
166	100		
164	75.7	53.6	99.5
168	45.1	33.4	62.0
0	0.0	0.0	0.0



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94866

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6924.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	11	B
75-35-4	1,1-Dichloroethene	4.9	J
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	4.6	J
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	170	
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	650	E
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	48	
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94866

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6924.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

B94866

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: O28801

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6924.D

Level: (low/med) Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

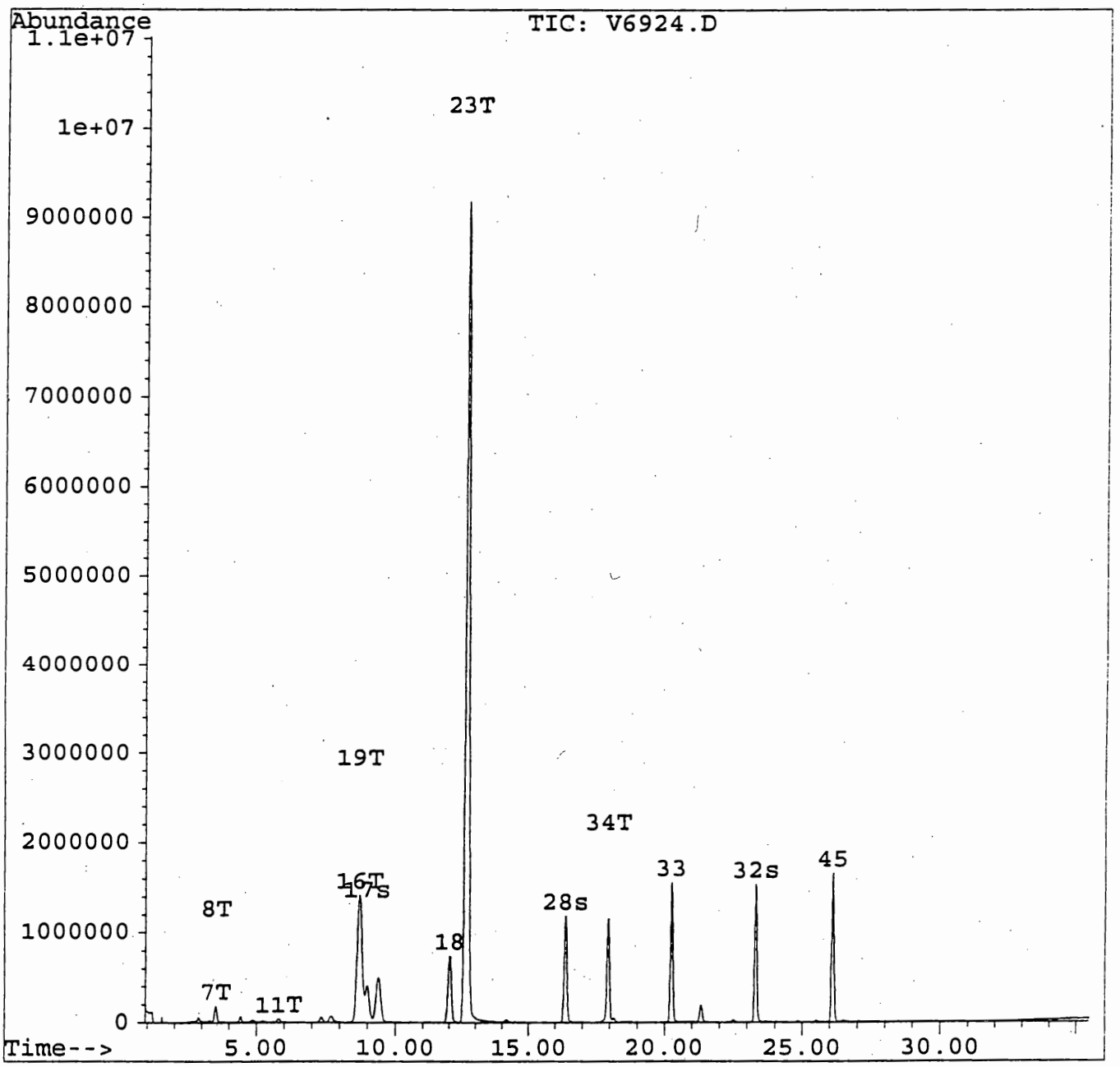
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6924.D
Acq Time : 13 Oct 97 6:59 pm
Sample : 5252DEC-28801
Misc : 5ML
Quant Time: Oct 24 12:57 1997

Operator:
Inst : 5971 - [illegible]
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000045

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6924.D
Acq Time : 13 Oct 97 6:59 pm
Sample : 5252DEC-28801
Misc : 5ML
Quant Time: Oct 24 12:57 1997

Operator:
Inst : 5971 - Ir
Multiplr: 1.00

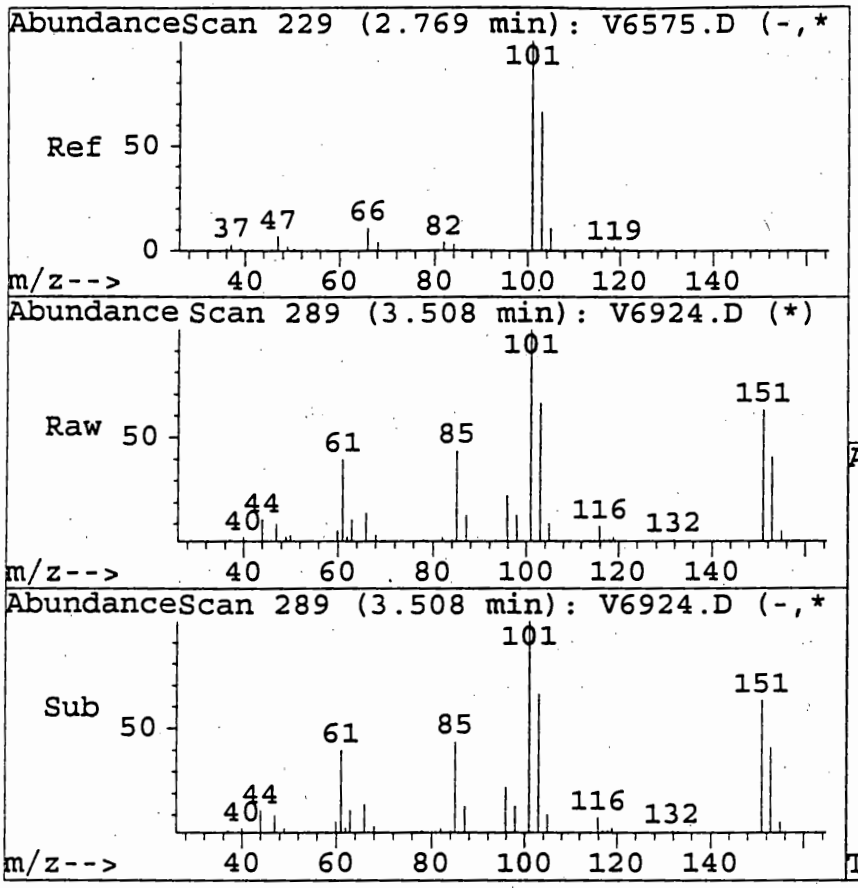
Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	9.38	168	1920947	50.00	ug/L		0.10
18) 1,4-Difluorobenzene	12.02	114	2904121	50.00	ug/L		0.09
33) Chlorobenzene-d5	20.26	117	2953462	50.00	ug/L		0.25
45) 1,4-dichlorobenzene-d4	26.11	152	1548842	50.00	ug/L		0.09
System Monitoring Compounds							%Recovery
17) Dibromofluoromethane	8.98	113	1334107	49.21	ug/L		98.42%
28) Toluene-d8	16.37	98	3030505	47.28	ug/L		94.56%
32) 4-Bromofluorobenzene	23.29	95	2028229	48.93	ug/L		97.86%
Target Compounds							Qvalue
7) trichlorofluoromethane	3.51	101	232134	11.26	ug/L	m	99
8) 1,1-dichloroethene	3.54	61	106078	4.91	ug/L		99
11) 1,1-dichloroethane	5.80	63	171572	4.55	ug/L		99
16) 1,1,1-trichloroethane	8.70	97	5729813	174.68	ug/L		100
~~19) carbon tetrachloride~~	~~8.71~~	~~117~~	~~790766~~	45.20	ug/L		99
23) trichloroethene	12.65	130	15052554	651.48	ug/L		92
34) tetrachloroethene	17.94	166	1296164	48.25	ug/L		97

10/24/97

(#) = qualifier out of range (m) = manual integration

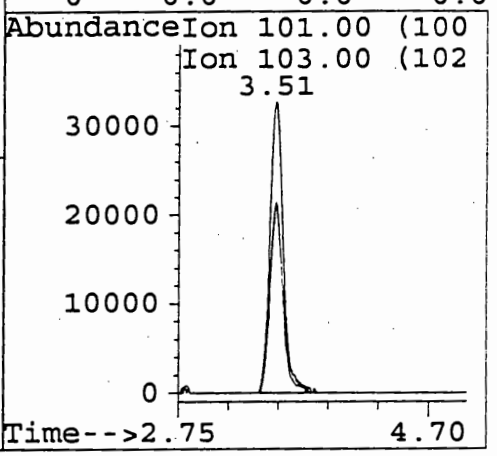
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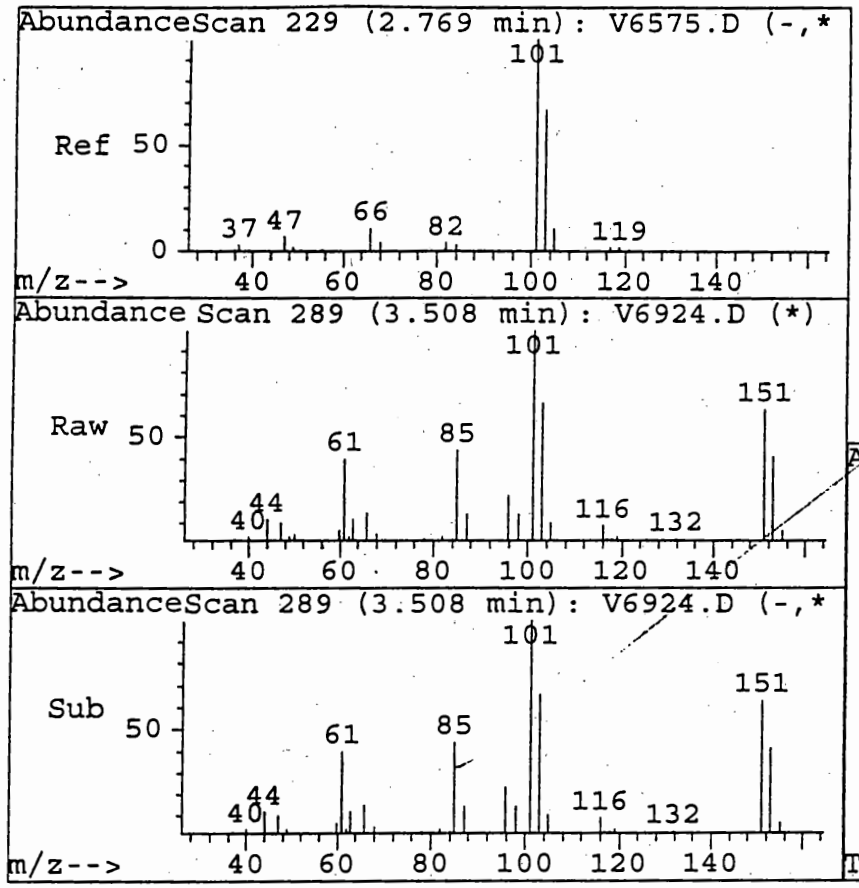


#7
trichlorofluoromethane
Concen: 11.26 ug/L m
RT: 3.51 min Scan# 289
Delta R.T. 0.76 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:101 Resp: 232134

Ion	Ratio	Lower	Upper
101	100		
103	65.6	45.6	84.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

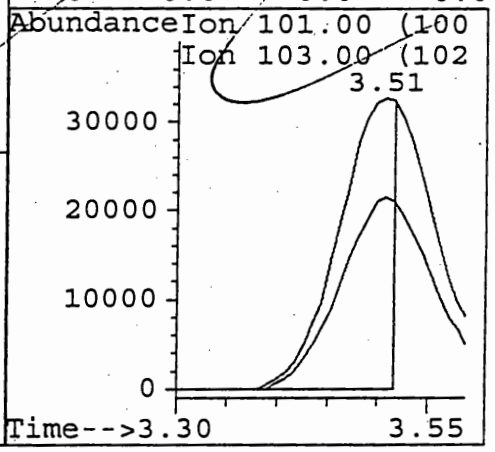


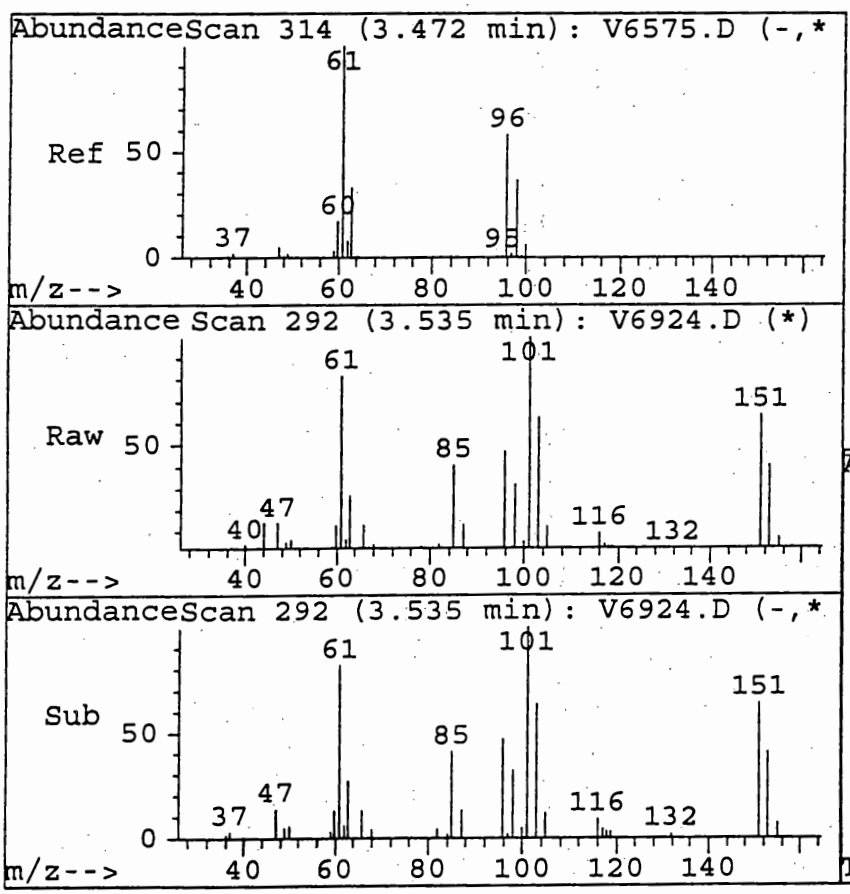


#7
trichlorofluoromethane
Concen: 6.36 ug/L
RT: 3.51 min Scan# 289
Delta R.T. 0.76 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:101 Resp: 131119

Ion	Ratio	Lower	Upper
101	100		
103	65.6	45.6	84.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0

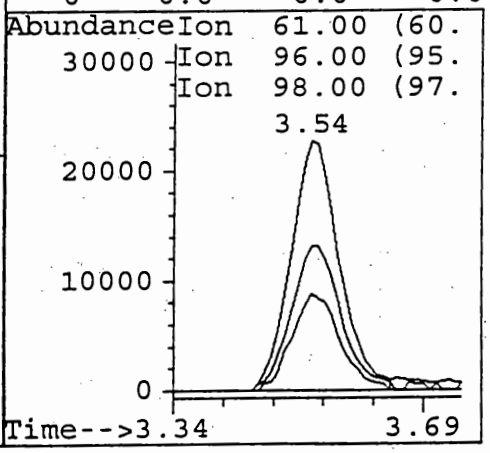




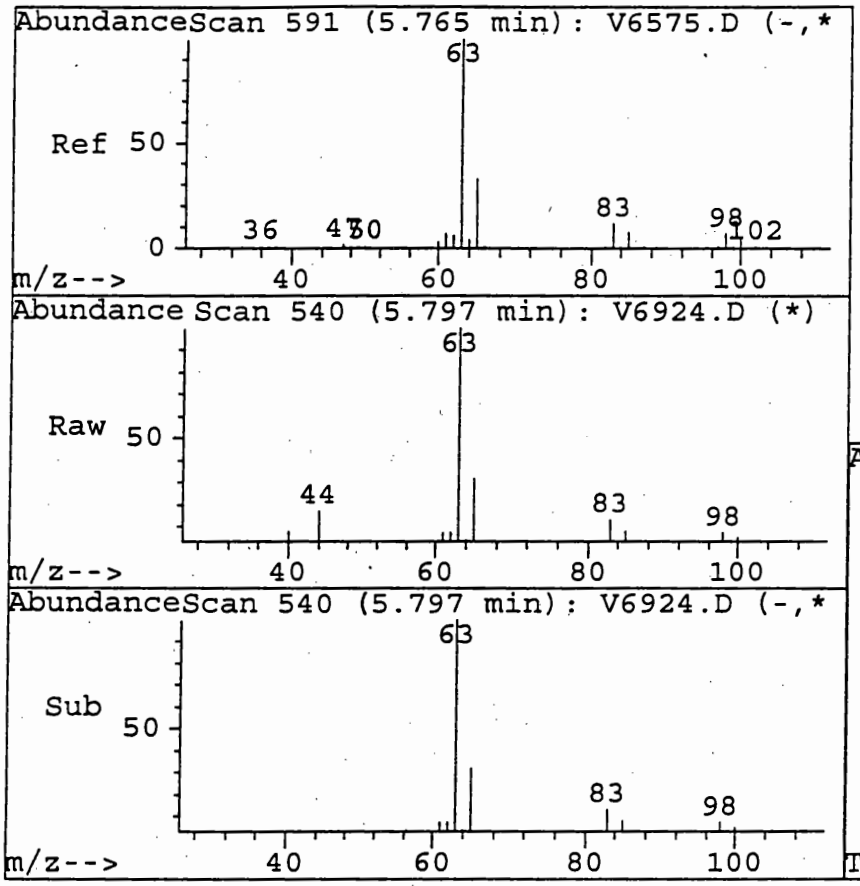
#8
1,1-dichloroethene
Concen: 4.91 ug/L
RT: 3.54 min Scan# 292
Delta R.T. 0.06 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:61 Resp: 106078

Ion	Ratio	Lower	Upper
61	100		
96	57.8	41.2	76.6
98	38.7	27.4	50.8
0	0.0	0.0	0.0



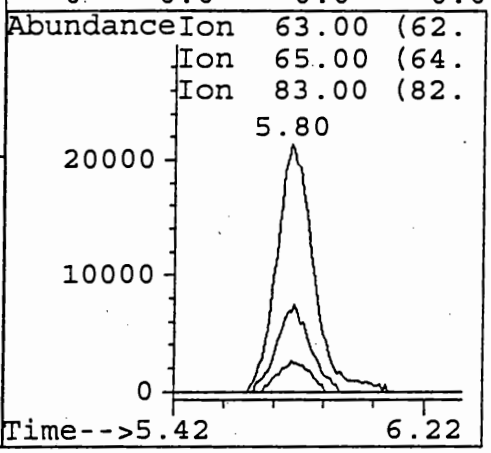
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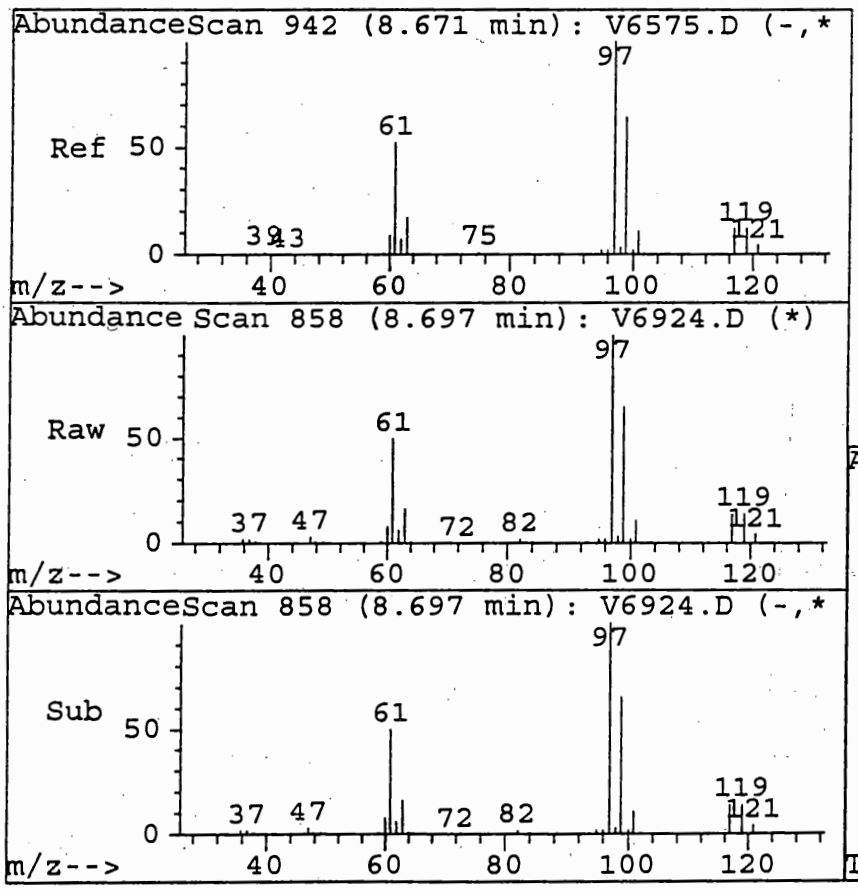


#11
1,1-dichloroethane
Concen: 4.55 ug/L
RT: 5.80 min Scan# 540
Delta R.T. 0.06 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:63 Resp: 171572

Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.6	42.0
83	12.6	8.5	15.9
0	0.0	0.0	0.0

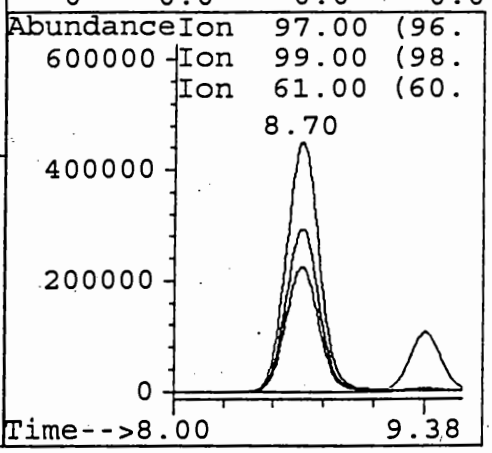


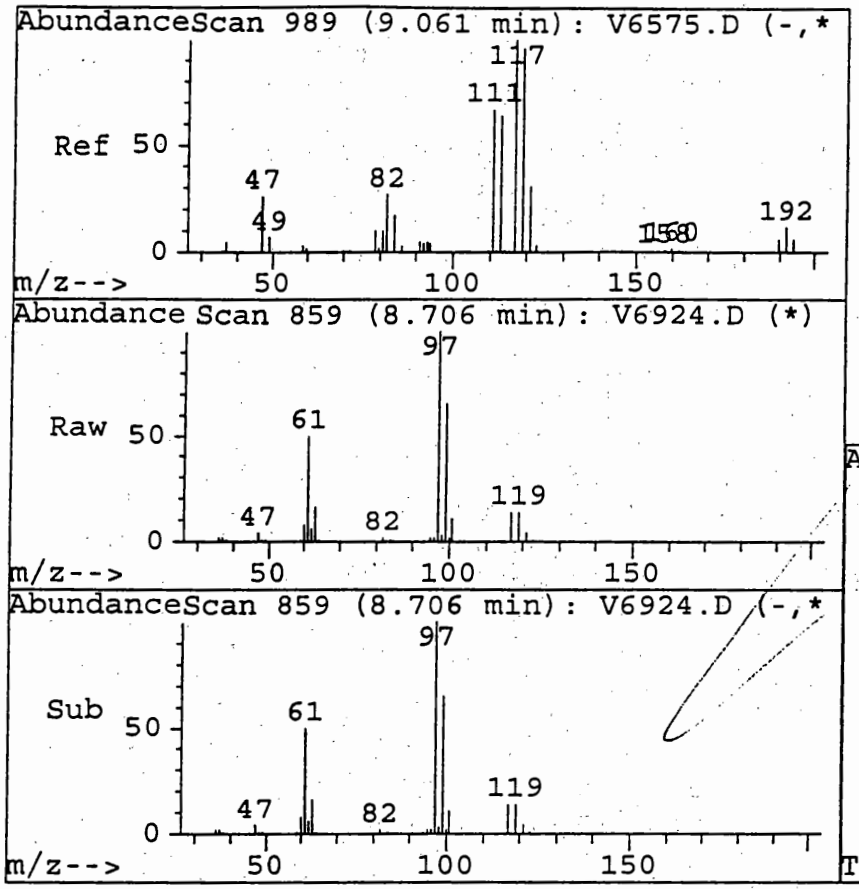


#16
1,1,1-trichloroethane
Concen: 174.68 ug/L
RT: 8.70 min Scan# 858
Delta R.T. 0.10 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:97 Resp: 5729813

Ion	Ratio	Lower	Upper
97	100		
99	65.0	45.7	84.9
61	49.7	34.9	64.7
0	0.0	0.0	0.0

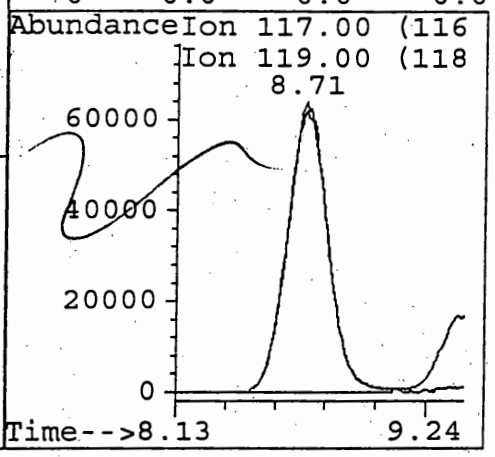


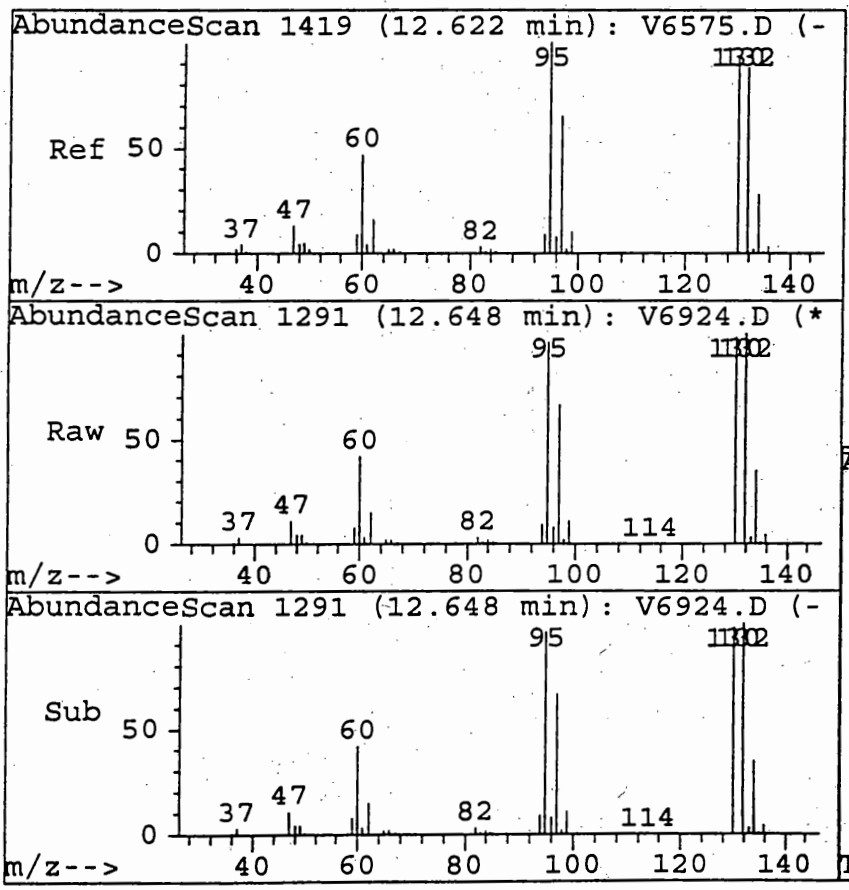


#19
carbon tetrachloride
Concen: 45.20 ug/L
RT: 8.71 min Scan# 859
Delta R.T. -0.31 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:117 Resp: 790766

Ion	Ratio	Lower	Upper
117	100		
119	96.5	66.6	123.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

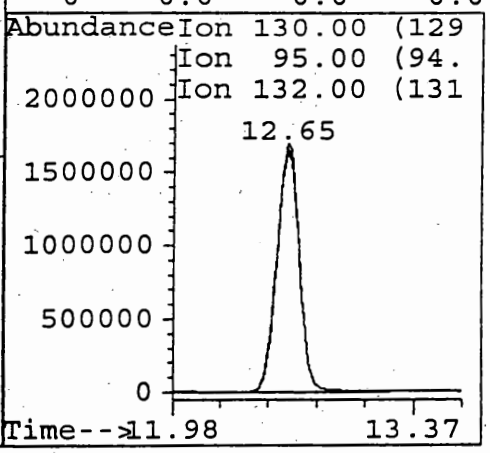




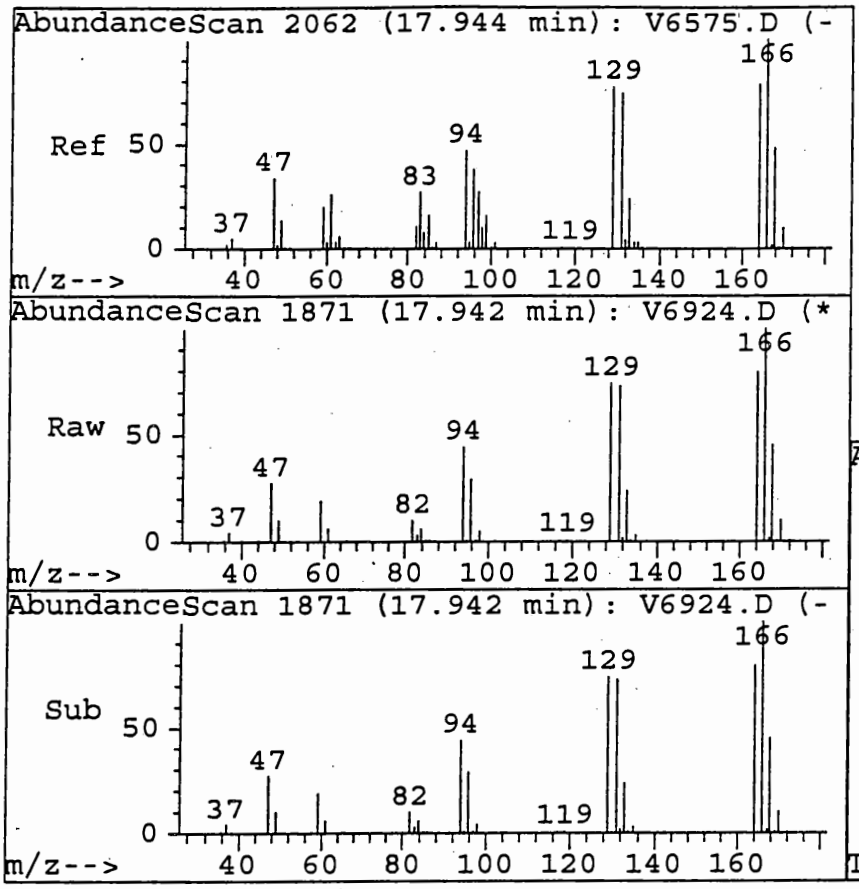
#23
trichloroethene
Concen: 651.48 ug/L
RT: 12.65 min Scan# 1291
Delta R.T. 0.12 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:130 Resp:15052554

Ion	Ratio	Lower	Upper
130	100		
95	97.9	76.2	141.4
132	101.9	67.2	124.8
0	0.0	0.0	0.0



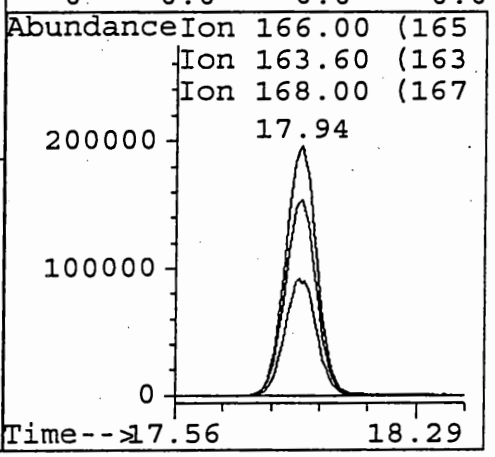
000950



#34
tetrachloroethene
Concen: 48.25 ug/L
RT: 17.94 min Scan# 1871
Delta R.T. 0.24 min
Lab File: V6924.D
Acq: 13 Oct 97 6:59 pm

Tgt Ion:166 Resp: 1296164

Ion	Ratio	Lower	Upper
166	100		
164	78.6	53.6	99.5
168	44.9	33.4	62.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6924.D
Acq Time : 13 Oct 97 6:59 pm
Sample : 5252DEC-28801
Misc : 5ML

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000052

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94866DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: O28801DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6940.D

Level: (low/med) Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	50	UD
74-87-3	Chloromethane	50	UD
75-01-4	Vinyl Chloride	50	UD
74-83-9	Bromomethane	50	UD
75-00-3	Chloroethane	50	UD
75-69-4	Trichlorofluoromethane	50	UD
75-35-4	1,1-Dichloroethene	50	UD
75-09-2	Methylene Chloride	50	UD
156-60-5	trans-1,2-Dichloroethene	50	UD
75-34-4	1,1-Dichloroethane	50	UD
590-20-7	2,2-Dichloropropane	50	UD
156-60-5	cis-1,2-dichloroethene	50	UD
74-97-5	Bromochloromethane	50	UD
67-66-3	Chloroform	50	UD
71-55-6	1,1,1-Trichloroethane	150	D
56-23-5	Carbon Tetrachloride	50	UD
563-58-6	1,1-Dichloropropene	50	UD
71-43-2	Benzene	50	UD
107-06-2	1,2-Dichloroethane	50	UD
79-01-6	Trichloroethene	680	D
78-87-5	1,2-Dichloropropane	50	UD
74-95-3	Dibromomethane	50	UD
75-27-4	Bromodichloromethane	50	UD
10061-01-5	cis-1,3-Dichloropropene	50	UD
108-88-3	Toluene	50	UD
10061-02-6	trans-1,3-Dichloropropene	50	UD
79-00-5	1,1,2-Trichloroethane	50	UD
127-18-4	Tetrachloroethene	58	D
142-28-9	1,3-Dichloropropane	50	UD
124-48-1	Dibromochloromethane	50	UD
106-93-4	1,2-Dibromoethane	50	UD
108-90-7	Chlorobenzene	50	UD
630-20-6	1,1,1,2-Tetrachloroethane	50	UD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94866DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28801DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6940.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	50	UD
1330-20-7	m&p-xylenes	50	UD
95-47-6	o-xylene	50	UD
100-42-5	Styrene	50	UD
75-25-2	Bromoform	50	UD
98-82-8	isopropylbenzene	50	UD
108-86-1	Bromobenzene	50	UD
79-34-5	1,1,2,2-Tetrachloroethane	50	UD
96-18-4	1,2,3-Trichloropropane	50	UD
103-65-1	n-Propylbenzene	50	UD
95-49-8	2-Chlorotoluene	50	UD
106-43-4	4-Chlorotoluene	50	UD
108-67-8	1,3,5-Trimethylbenzene	50	UD
98-06-6	tert-Butylbenzene	50	UD
95-63-6	1,2,4-Trimethylbenzene	50	UD
135-98-8	sec-Butylbenzene	50	UD
541-73-1	1,3-Dichlorobenzene	50	UD
99-87-6	4-Isopropyltoluene	50	UD
106-46-7	1,4-Dichlorobenzene	50	UD
95-50-1	1,2-Dichlorobenzene	50	UD
104-51-8	n-Butylbenzene	50	UD
96-12-8	1,2-Dibromo-3-chloropropane	50	UD
120-82-1	1,2,4-Trichlorobenzene	50	UD
87-68-3	Hexachlorobutadiene	50	UD
91-20-3	Naphthalene	50	UD
87-61-6	1,2,3-Trichlorobenzene	50	UD

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B94866DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28801DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6940.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

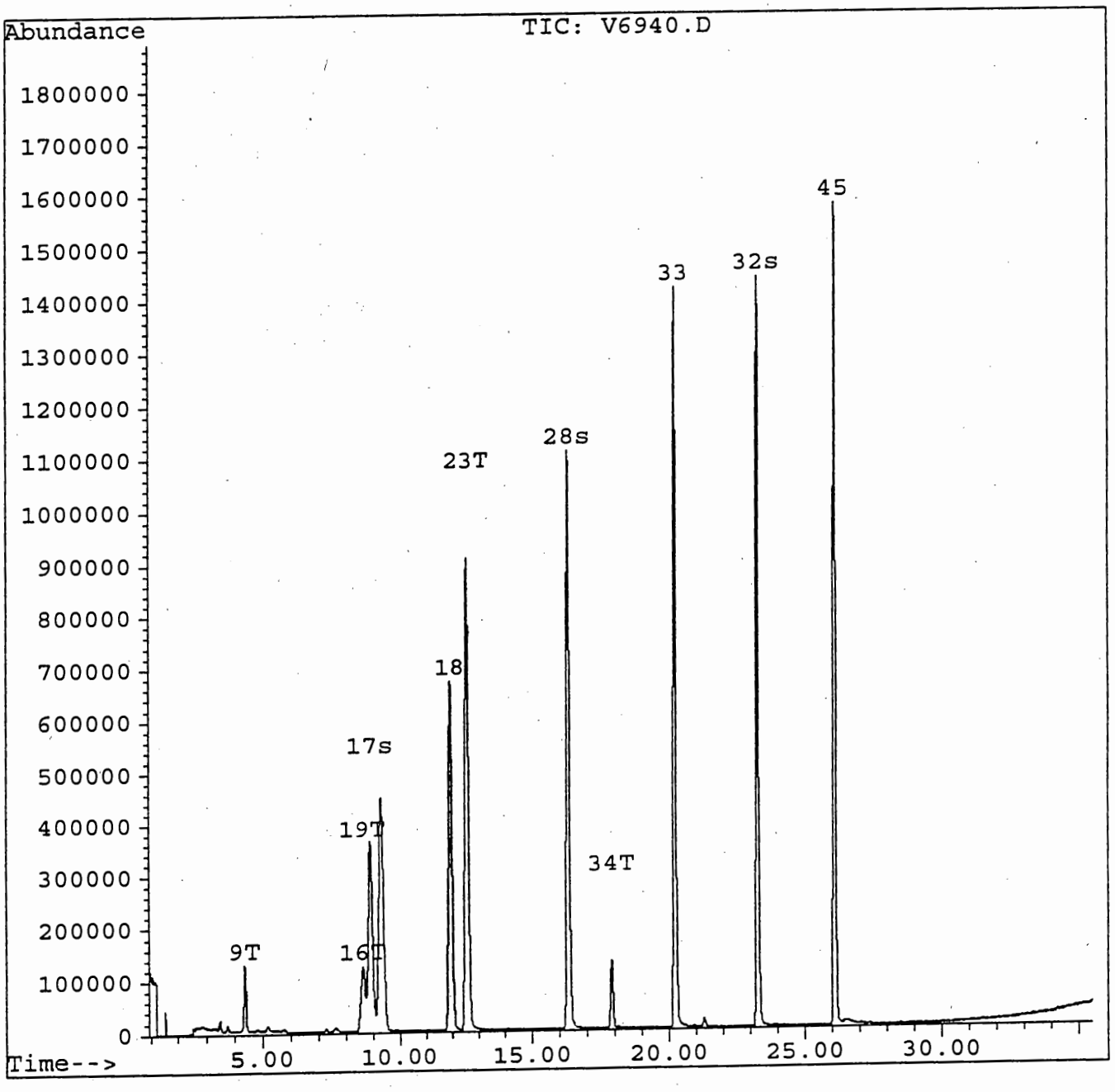
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6940.D
Acq Time : 14 Oct 97 4:51 pm
Sample : 5252DEC-28801
Misc : 5ML 1:10
Quant Time: Oct 23 20:57 1997

Operator:
Inst : 5971 - I
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000056

Quantitation Report

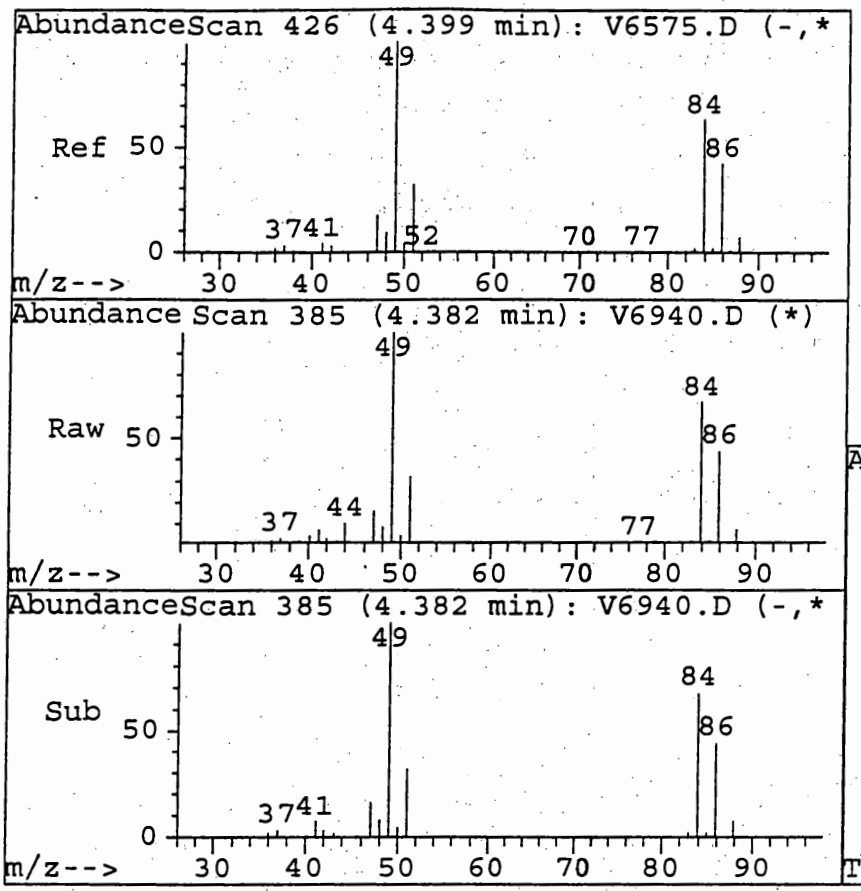
Data File : D:\HPCHEM\1\DATA\V6940.D
Acq Time : 14 Oct 97 4:51 pm
Sample : 5252DEC-28801
Misc : 5ML 1:10
Quant Time: Oct 23 20:57 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.31	168	1790971	50.00	ug/L	0.02
18) 1,4-Difluorobenzene	11.94	114	2667355	50.00	ug/L	0.01
33) Chlorobenzene-d5	20.23	117	2783065	50.00	ug/L	0.22
45) 1,4-dichlorobenzene-d4	26.09	152	1461642	50.00	ug/L	0.07
System Monitoring Compounds						**%Recovery**
17) Dibromofluoromethane	8.91	113	1276780	50.52	ug/L	101.03%
28) Toluene-d8	16.33	98	2863344	48.64	ug/L	97.27%
32) 4-Bromofluorobenzene	23.27	95	1934548	50.81	ug/L	101.62%
Target Compounds						**Qvalue**
9) methylene chloride	4.38	84	131041	5.86	ug/L	95
16) 1,1,1-trichloroethane	8.63	97	471933	15.43	ug/L	99
19) carbon tetrachloride	8.62	117	65460	4.07	ug/L	94
23) trichloroethene	12.59	130	1450028	68.33	ug/L	96
34) tetrachloroethene	17.89	166	146055	5.77	ug/L	99

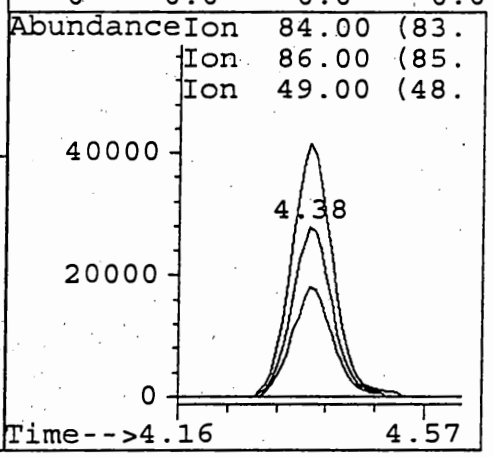
(#) = qualifier out of range (m) = manual integration

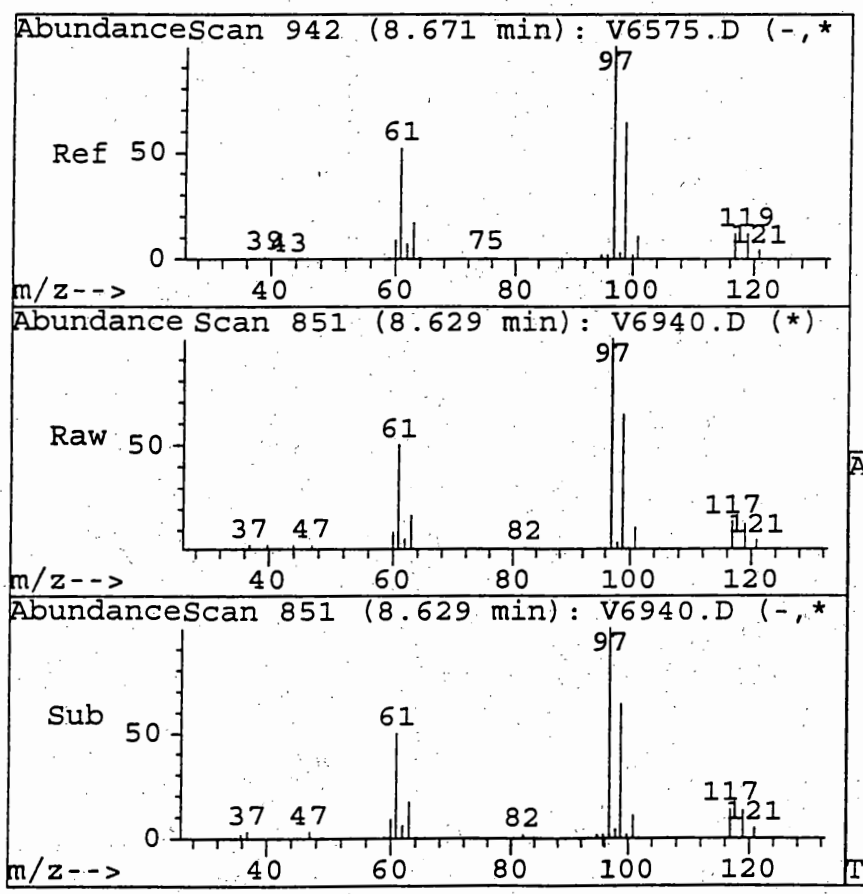


#9
methylene chloride
Concen: 5.86 ug/L
RT: 4.38 min Scan# 385
Delta R.T. -0.00 min
Lab File: V6940.D
Acq: 14 Oct 97 4:51 pm

Tgt Ion:84 Resp: 131041

Ion	Ratio	Lower	Upper
84	100		
86	65.0	47.0	87.2
49	149.2	110.4	205.0
0	0.0	0.0	0.0

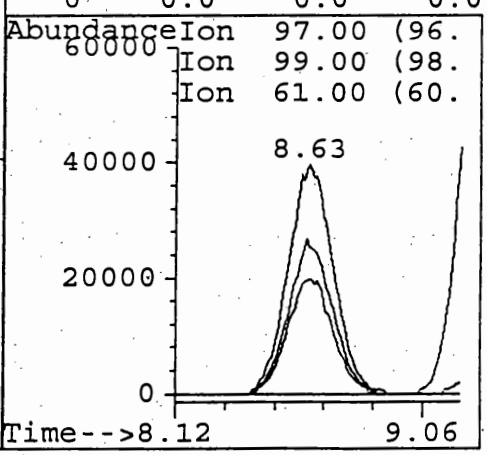




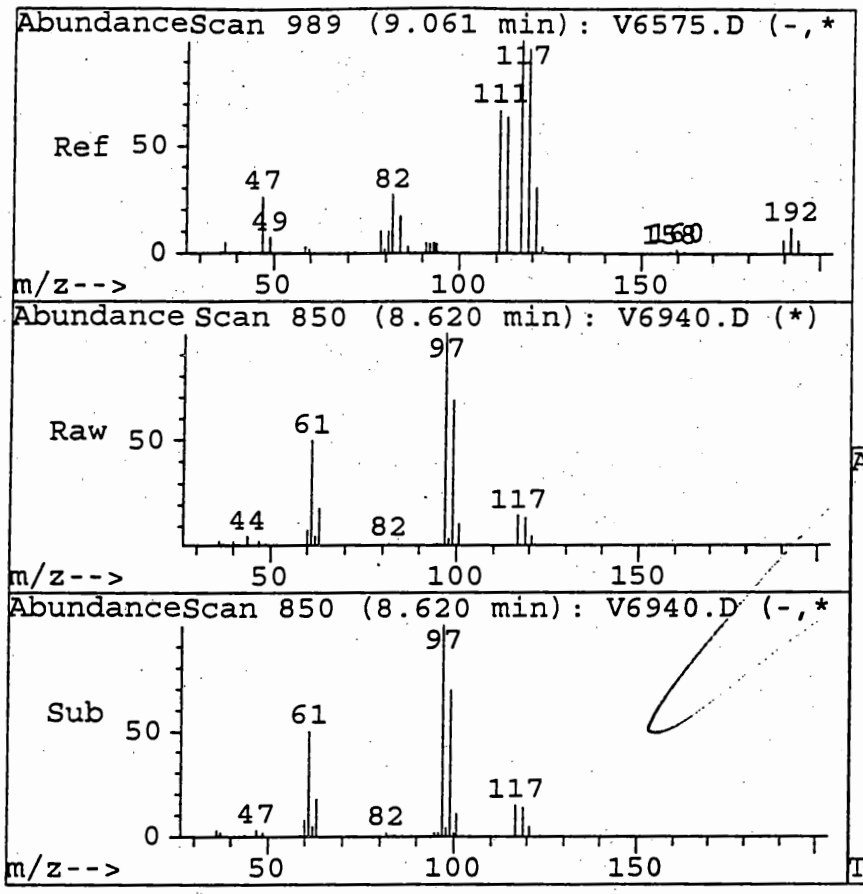
#16
1,1,1-trichloroethane
Concen: 15.43 ug/L
RT: 8.63 min Scan# 851
Delta R.T. 0.03 min
Lab File: V6940.D
Acq: 14 Oct 97 4:51 pm

Tgt Ion:97 Resp: 471933

Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.7	84.9
61	49.8	34.9	64.7
0	0.0	0.0	0.0



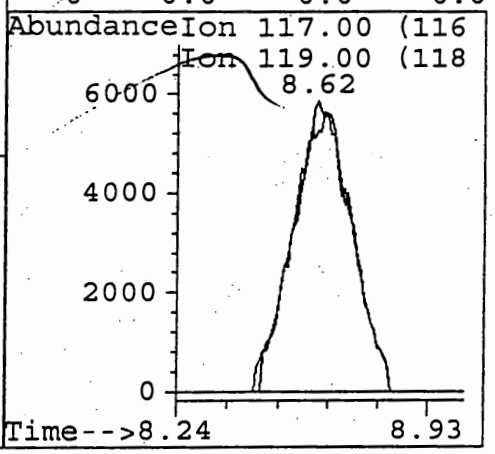
000058

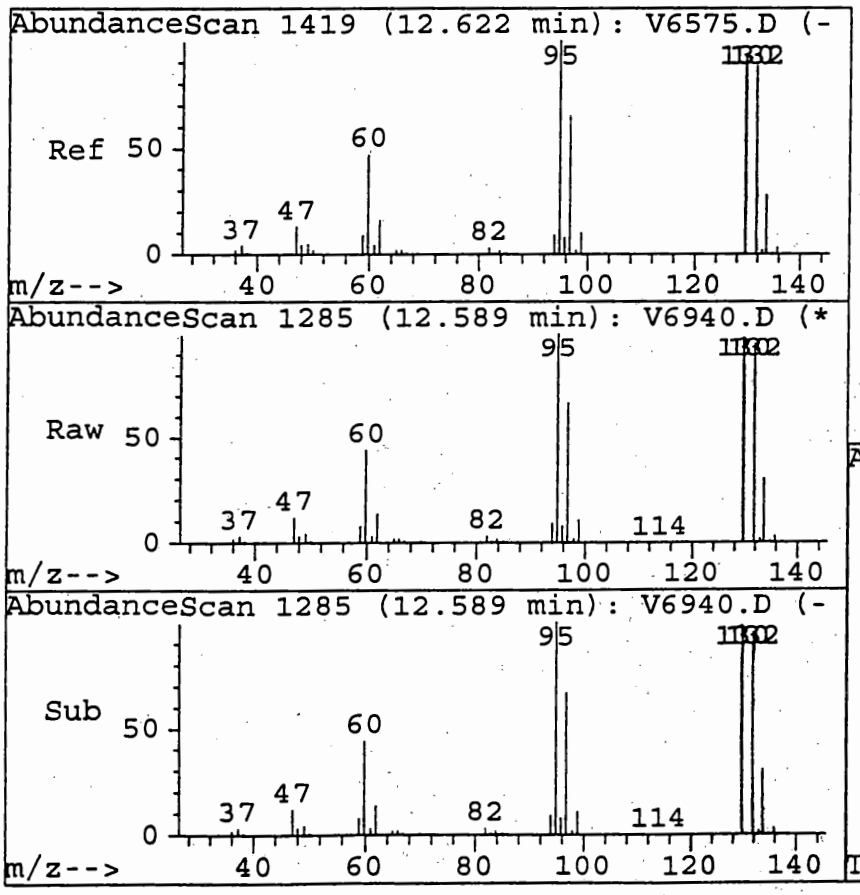


#19
carbon tetrachloride
Concen: 4.07 ug/L
RT: 8.62 min Scan# 850
Delta R.T. -0.40 min
Lab File: V6940.D
Acq: 14 Oct 97 4:51 pm

Tgt Ion:117 Resp: 65460

Ion	Ratio	Lower	Upper
117	100		
119	89.7	66.6	123.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

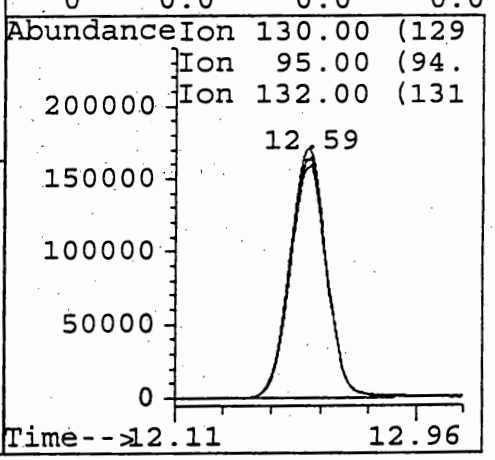




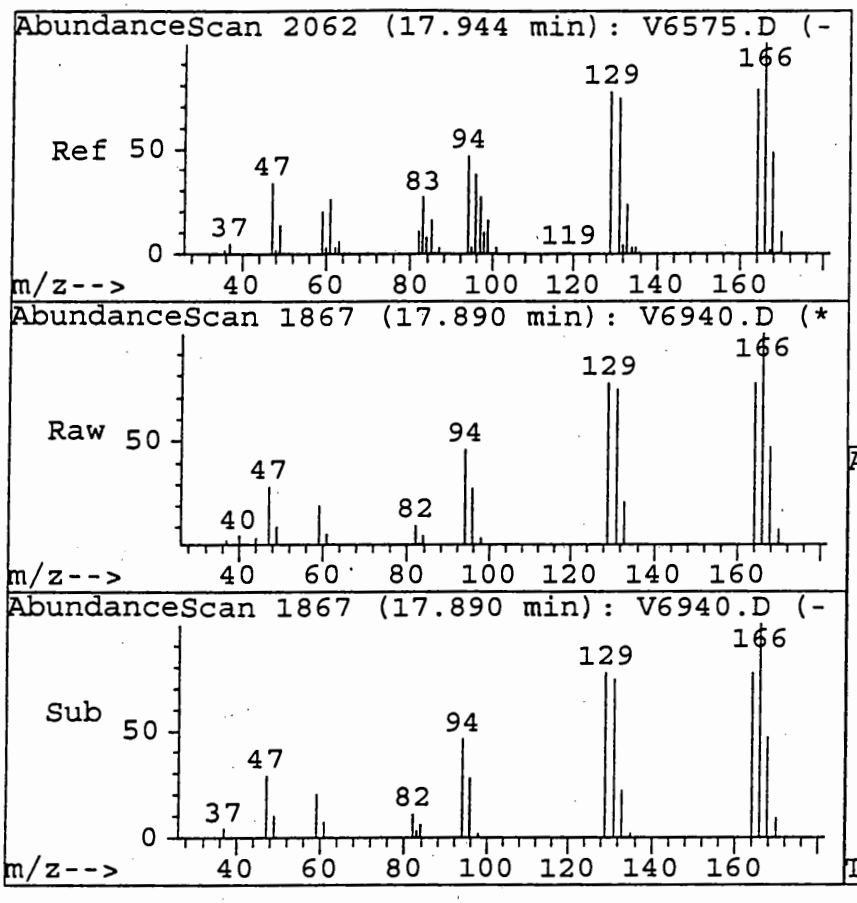
#23
trichloroethene
Concen: 68.33 ug/L
RT: 12.59 min Scan# 1285
Delta R.T. 0.06 min
Lab File: V6940.D
Acq: 14 Oct 97 4:51 pm

Tgt Ion:130 Resp: 1450028

Ion	Ratio	Lower	Upper
130	100		
95	102.2	76.2	141.4
132	96.8	67.2	124.8
0	0.0	0.0	0.0



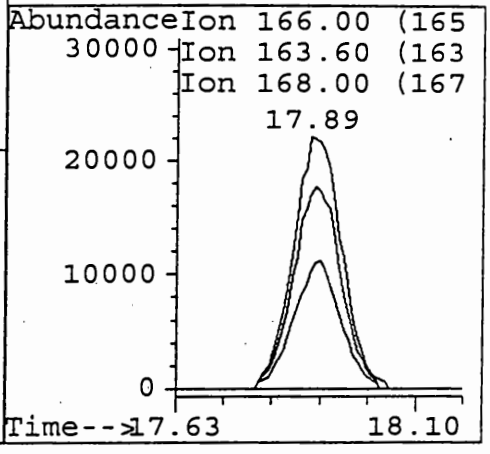
000059



#34
tetrachloroethene
Concen: 5.77 ug/L
RT: 17.89 min Scan# 1867
Delta R.T. 0.19 min
Lab File: V6940.D
Acq: 14 Oct 97 4:51 pm

Tgt Ion:166 Resp: 146055

Ion	Ratio	Lower	Upper
166	100		
164	76.9	53.6	99.5
168	46.6	33.4	62.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6940.D
Acq Time : 14 Oct 97 4:51 pm
Sample : 5252DEC-28801
Misc : 5ML 1:10

Operator:
Inst : 5971 - I
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000061

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94867

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6925.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	5	U
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	100	
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	1200	E
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	39	
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	99	
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. B94867

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6925.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

B94867

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6925.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

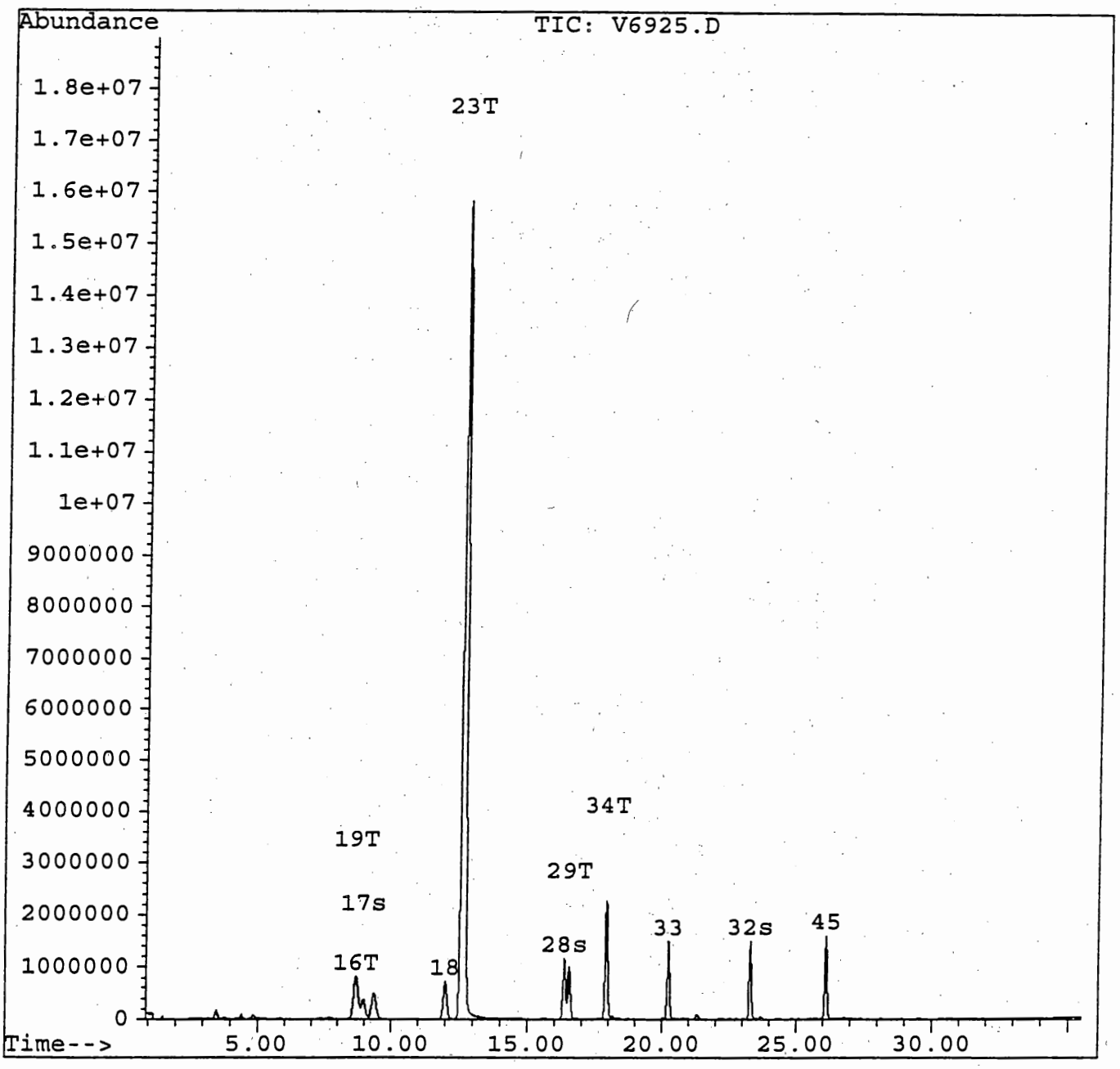
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
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9.				
10.				
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Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6925.D
Acq Time : 13 Oct 97 7:43 pm
Sample : 5252DEC-28802
Misc : 5ML
Quant Time: Oct 23 20:52 1997

Operator:
Inst : 5971 - 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000065

Quantitation Report

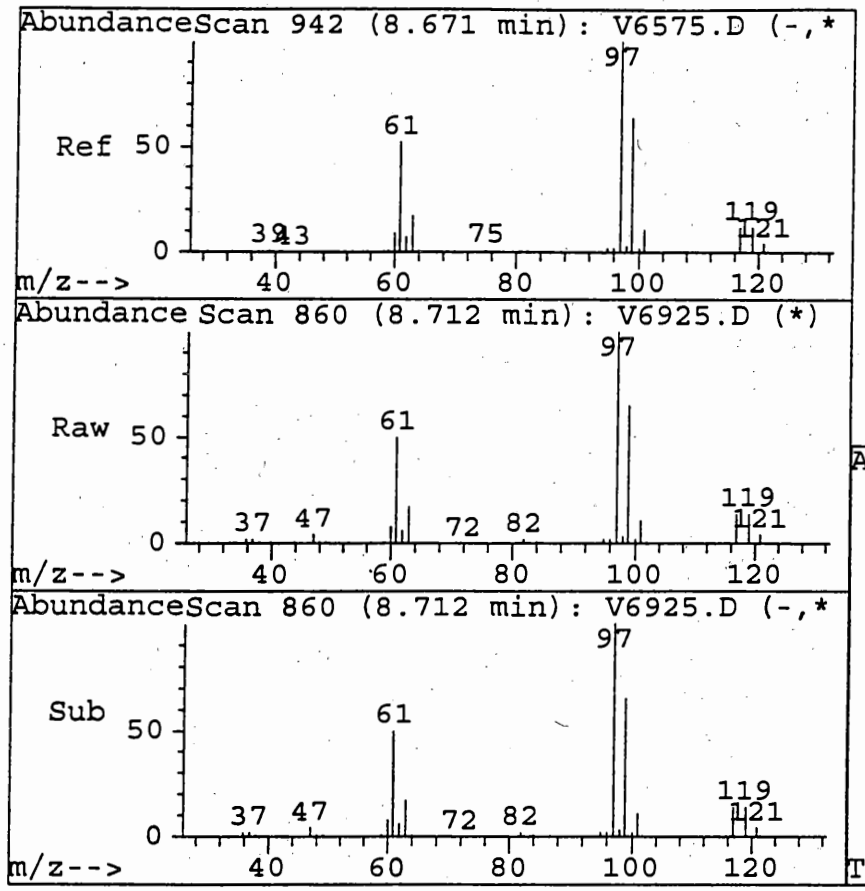
Data File : D:\HPCHEM\1\DATA\V6925.D
Acq Time : 13 Oct 97 7:43 pm
Sample : 5252DEC-28802
Misc : 5ML
Quant Time: Oct 23 20:52 1997

Operator:
Inst : 5971 - I
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.39	168	1889649	50.00	ug/L	0.10
18) 1,4-Difluorobenzene	12.01	114	2840651	50.00	ug/L	0.08
33) Chlorobenzene-d5	20.25	117	2872275	50.00	ug/L	0.24
45) 1,4-dichlorobenzene-d4	26.11	152	1517168	50.00	ug/L	0.09
System Monitoring Compounds						**%Recovery**
17) Dibromofluoromethane	8.98	113	1300042	48.75	ug/L	97.50%
28) Toluene-d8	16.37	98	2935614	46.82	ug/L	93.65%
32) 4-Bromofluorobenzene	23.29	95	1975083	48.71	ug/L	97.42%
Target Compounds						**Qvalue**
16) 1,1,1-trichloroethane	8.71	97	3245308	100.58	ug/L	99
19) carbon tetrachloride	8.70	117	443305	25.91	ug/L	96
23) trichloroethene	12.65	130	27513012	1217.38	ug/L	88
29) toluene	16.54	91	2750170	39.04	ug/L	99
34) tetrachloroethene	17.93	166	2590348	99.16	ug/L	98

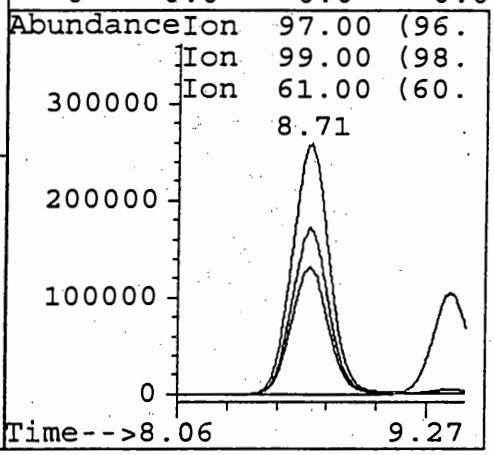
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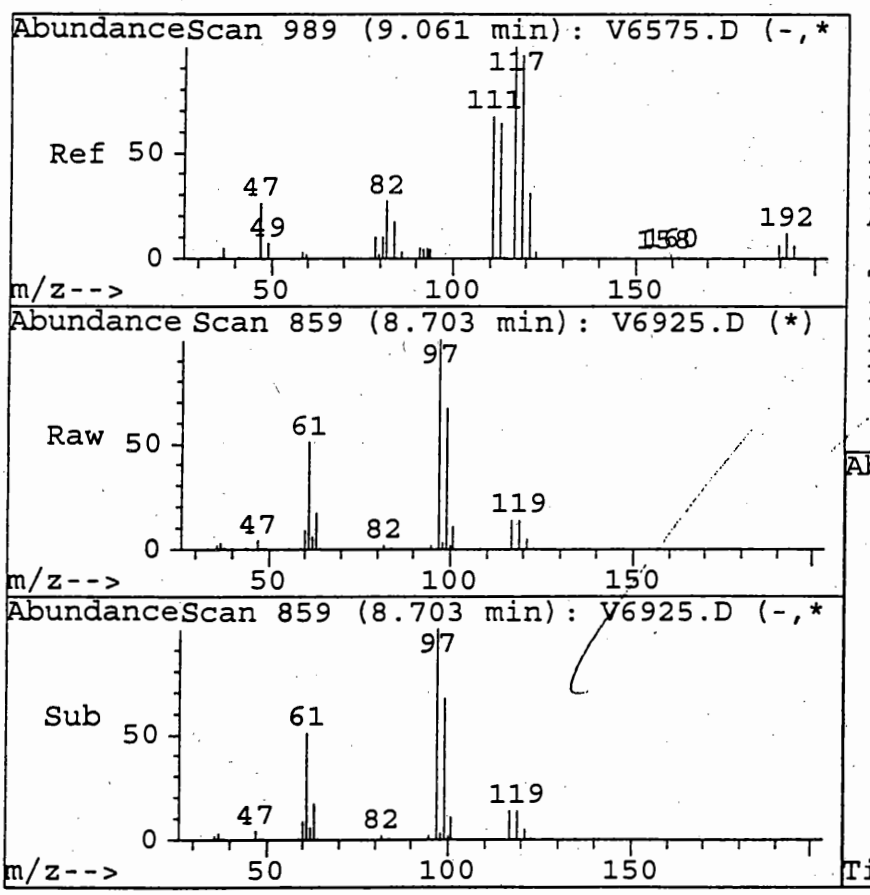


#16
1,1,1-trichloroethane
Concen: 100.58 ug/L
RT: 8.71 min Scan# 860
Delta R.T. 0.12 min
Lab File: V6925.D
Acq: 13 Oct 97 7:43 pm

Tgt Ion:97 Resp: 3245308

Ion	Ratio	Lower	Upper
97	100		
99	64.6	45.7	84.9
61	49.7	34.9	64.7
0	0.0	0.0	0.0

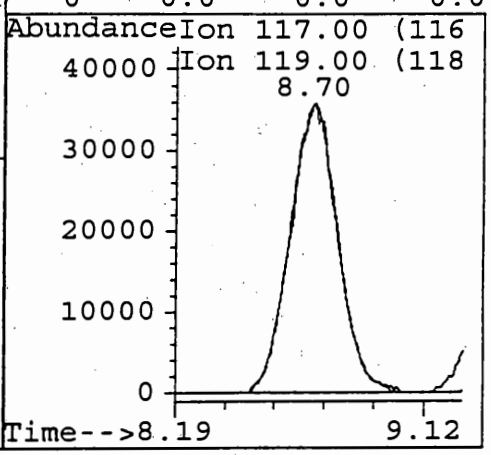


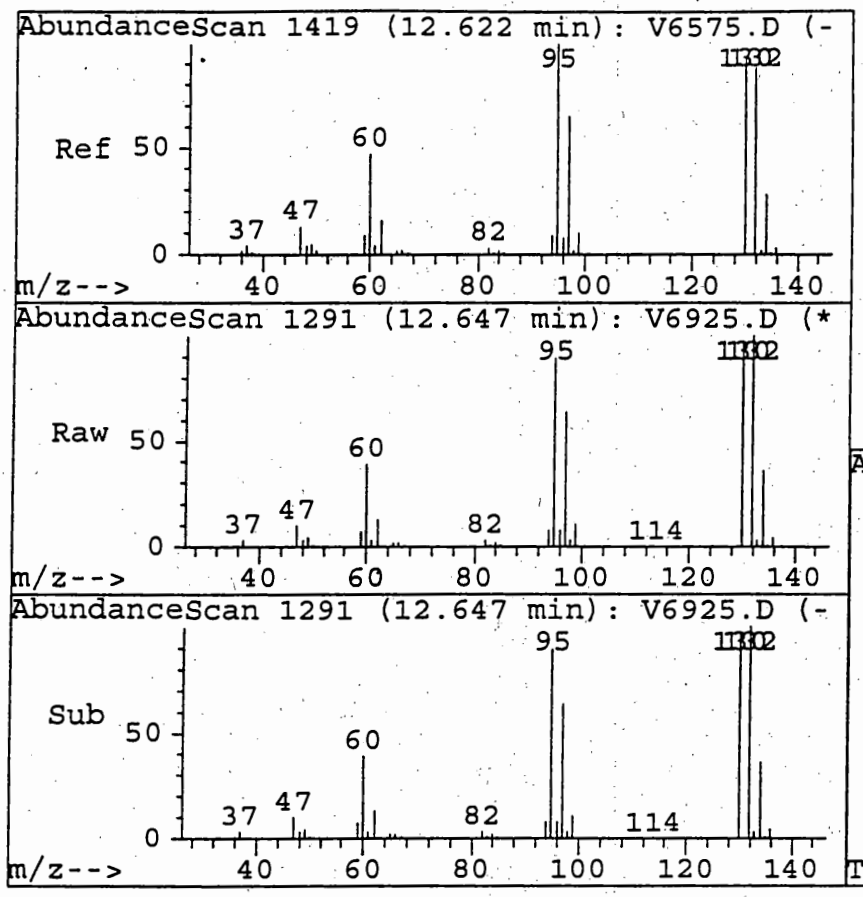


#19
carbon tetrachloride
Concen: 25.91 ug/L
RT: 8.70 min Scan# 859
Delta R.T. -0.32 min
Lab File: V6925.D
Acq: 13 Oct 97 7:43 pm

Tgt Ion:117 Resp: 443305

Ion	Ratio	Lower	Upper
117	100		
119	99.5	66.6	123.8
0	0.0	0.0	0.0
0	0.0	0.0	0.0

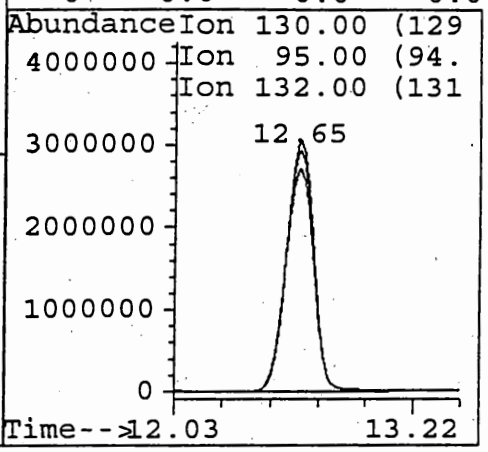


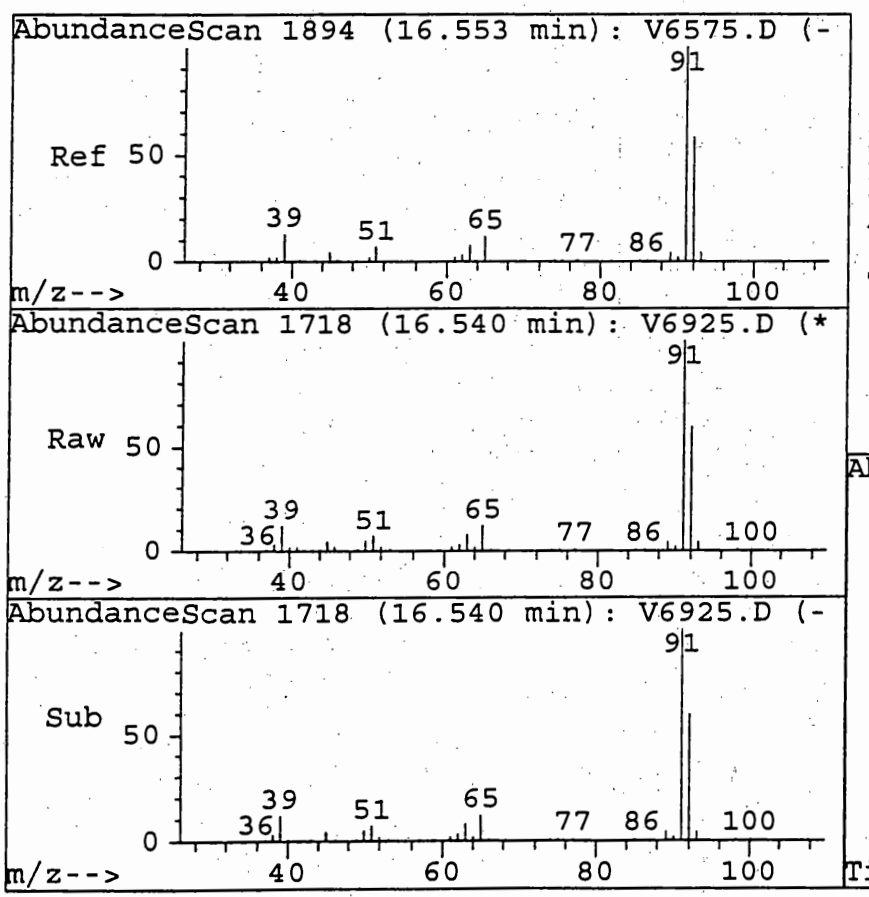


#23
trichloroethene
Concen: 1217.38 ug/L
RT: 12.65 min Scan# 1291
Delta R.T. 0.12 min
Lab File: V6925.D
Acq: 13 Oct 97 7:43 pm

Tgt Ion:130 Resp:27513012

Ion	Ratio	Lower	Upper
130	100		
95	92.5	76.2	141.4
132	103.6	67.2	124.8
0	0.0	0.0	0.0

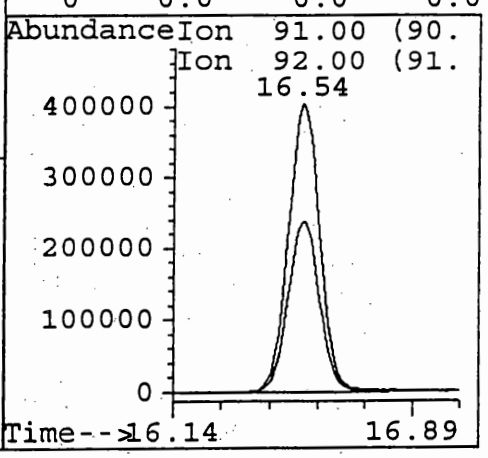




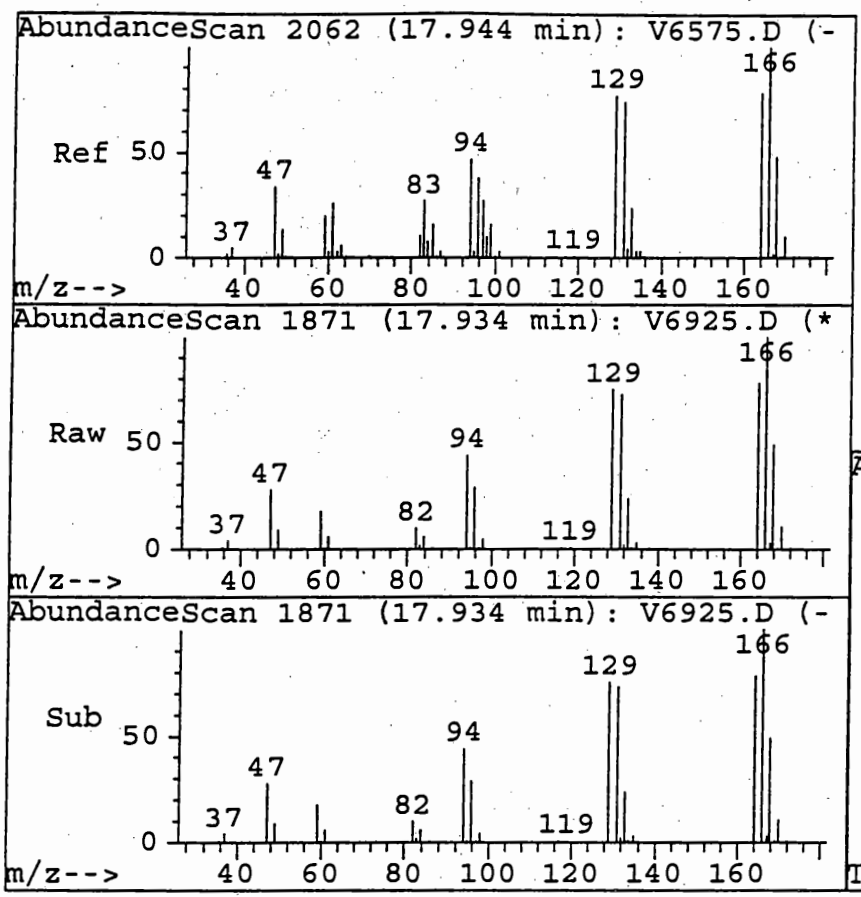
#29
toluene
Concen: 39.04 ug/L
RT: 16.54 min Scan# 1718
Delta R.T. 0.15 min
Lab File: V6925.D
Acq: 13 Oct 97 7:43 pm

Tgt Ion:91 Resp: 2750170

Ion	Ratio	Lower	Upper
91	100		
92	58.6	41.6	77.2
0	0.0	0.0	0.0
0	0.0	0.0	0.0



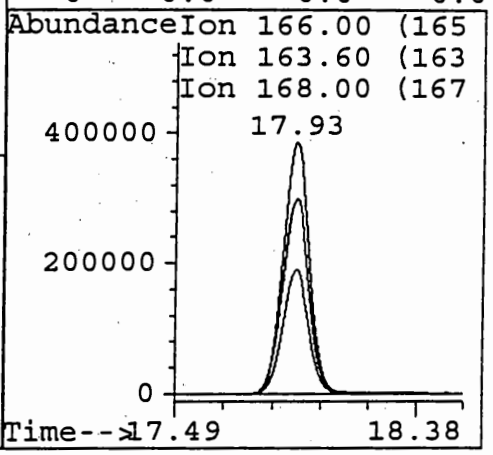
000063



#34
tetrachloroethene
Concen: 99.16 ug/L
RT: 17.93 min Scan# 1871
Delta R.T. 0.23 min
Lab File: V6925.D
Acq: 13 Oct 97 7:43 pm

Tgt Ion:166 Resp: 2590348

Ion	Ratio	Lower	Upper
166	100		
164	77.5	53.6	99.5
168	49.4	33.4	62.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6925.D
Acq Time : 13 Oct 97 7:43 pm
Sample : 5252DEC-28802
Misc : 5ML

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000070

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94867DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6941.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	50	UD
74-87-3	Chloromethane	50	UD
75-01-4	Vinyl Chloride	50	UD
74-83-9	Bromomethane	50	UD
75-00-3	Chloroethane	50	UD
75-69-4	Trichlorofluoromethane	50	UD
75-35-4	1,1-Dichloroethene	50	UD
75-09-2	Methylene Chloride	50	UD
156-60-5	trans-1,2-Dichloroethene	50	UD
75-34-4	1,1-Dichloroethane	50	UD
590-20-7	2,2-Dichloropropane	50	UD
156-60-5	cis-1,2-dichloroethene	50	UD
74-97-5	Bromochloromethane	50	UD
67-66-3	Chloroform	50	UD
71-55-6	1,1,1-Trichloroethane	88	D
56-23-5	Carbon Tetrachloride	50	UD
563-58-6	1,1-Dichloropropene	50	UD
71-43-2	Benzene	50	UD
107-06-2	1,2-Dichloroethane	50	UD
79-01-6	Trichloroethene	1400	D
78-87-5	1,2-Dichloropropane	50	UD
74-95-3	Dibromomethane	50	UD
75-27-4	Bromodichloromethane	50	UD
10061-01-5	cis-1,3-Dichloropropene	50	UD
108-88-3	Toluene	50	UD
10061-02-6	trans-1,3-Dichloropropene	50	UD
79-00-5	1,1,2-Trichloroethane	50	UD
127-18-4	Tetrachloroethene	100	D
142-28-9	1,3-Dichloropropane	50	UD
124-48-1	Dibromochloromethane	50	UD
106-93-4	1,2-Dibromoethane	50	UD
108-90-7	Chlorobenzene	50	UD
630-20-6	1,1,1,2-Tetrachloroethane	50	UD

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

B94867DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6941.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	50	UD
1330-20-7	m&p-xylenes	50	UD
95-47-6	o-xylene	50	UD
100-42-5	Styrene	50	UD
75-25-2	Bromoform	50	UD
98-82-8	isopropylbenzene	50	UD
108-86-1	Bromobenzene	50	UD
79-34-5	1,1,2,2-Tetrachloroethane	50	UD
96-18-4	1,2,3-Trichloropropane	50	UD
103-65-1	n-Propylbenzene	50	UD
95-49-8	2-Chlorotoluene	50	UD
106-43-4	4-Chlorotoluene	50	UD
108-67-8	1,3,5-Trimethylbenzene	50	UD
98-06-6	tert-Butylbenzene	50	UD
95-63-6	1,2,4-Trimethylbenzene	50	UD
135-98-8	sec-Butylbenzene	50	UD
541-73-1	1,3-Dichlorobenzene	50	UD
99-87-6	4-Isopropyltoluene	50	UD
106-46-7	1,4-Dichlorobenzene	50	UD
95-50-1	1,2-Dichlorobenzene	50	UD
104-51-8	n-Butylbenzene	50	UD
96-12-8	1,2-Dibromo-3-chloropropane	50	UD
120-82-1	1,2,4-Trichlorobenzene	50	UD
87-68-3	Hexachlorobutadiene	50	UD
91-20-3	Naphthalene	50	UD
87-61-6	1,2,3-Trichlorobenzene	50	UD

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.
B94867DL

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O28802DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6941.D

Level: (low/med) _____ Date Received: 9/24/97

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

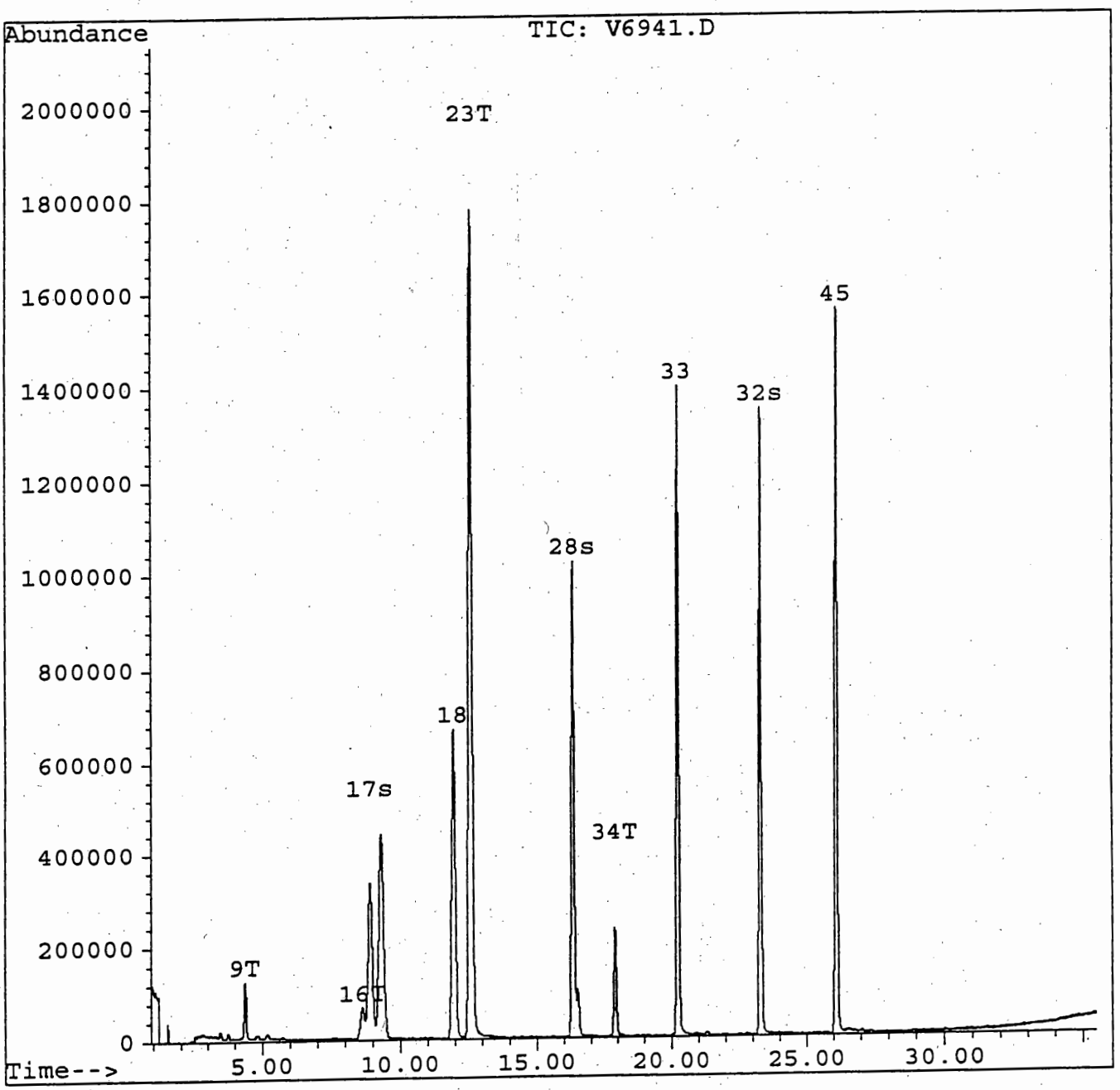
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6941.D
Acq Time : 14 Oct 97 5:33 pm
Sample : 5252DEC-28802
Misc : 5ML 1:10
Quant Time: Oct 23 20:58 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000074

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6941.D
Acq Time : 14 Oct 97 5:33 pm
Sample : 5252DEC-28802
Misc : 5ML 1:10
Quant Time: Oct 23 20:58 1997

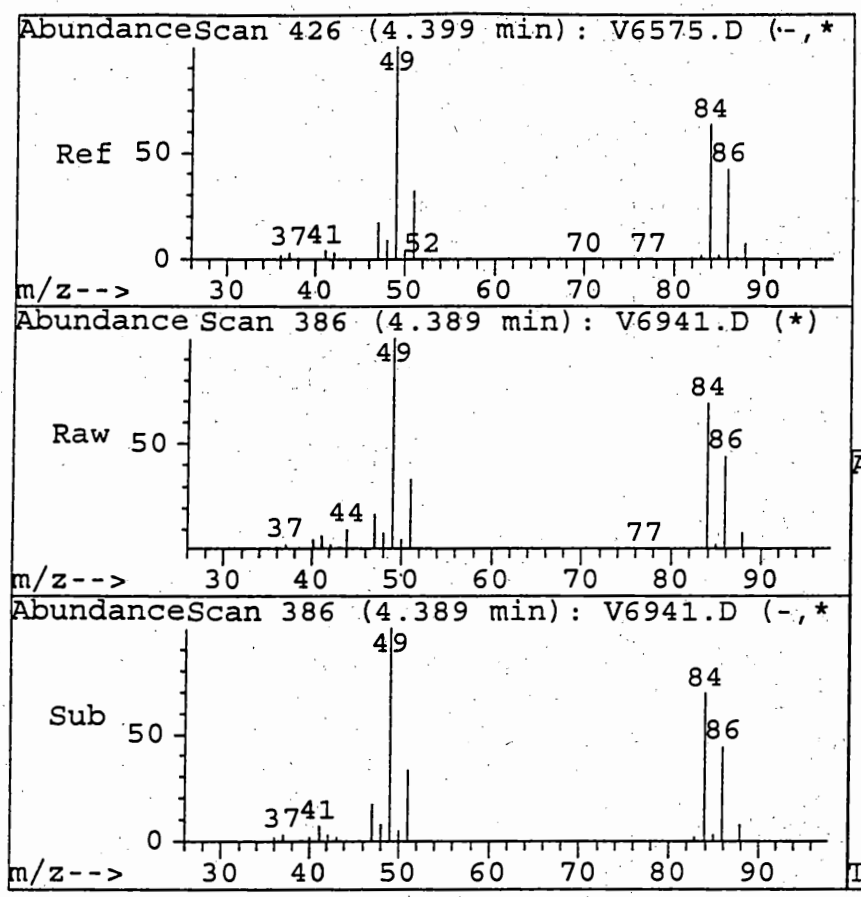
Operator:
Inst : 5971 - 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Mi
1) Pentafluorobenzene	9.32	168	1743665	50.00	ug/L	0.04
18) 1,4-Difluorobenzene	11.96	114	2638778	50.00	ug/L	0.0
33) Chlorobenzene-d5	20.23	117	2735950	50.00	ug/L	0.2
45) 1,4-dichlorobenzene-d4	26.10	152	1465506	50.00	ug/L	0.0
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.90	113	1171727	47.62	ug/L	95.2
28) Toluene-d8	16.33	98	2641829	45.36	ug/L	90.72%
32) 4-Bromofluorobenzene	23.28	95	1797547	47.72	ug/L	95.4
Target Compounds						Qvalue
9) methylene chloride	4.39	84	130422	6.00	ug/L	92
16) 1,1,1-trichloroethane	8.64	97	260884	8.76	ug/L	99
23) trichloroethene	12.59	130	2858913	136.18	ug/L	97
34) tetrachloroethene	17.90	166	253131	10.17	ug/L	99

(#) = qualifier out of range (m) = manual integration

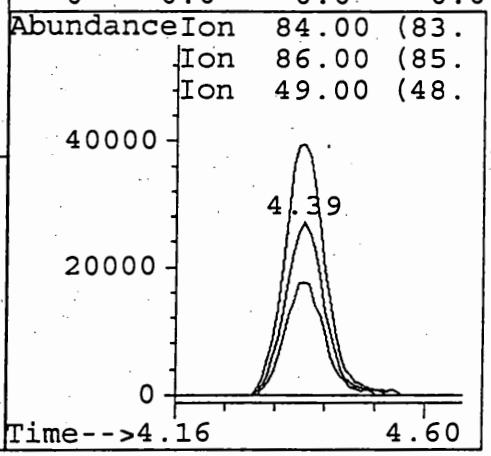
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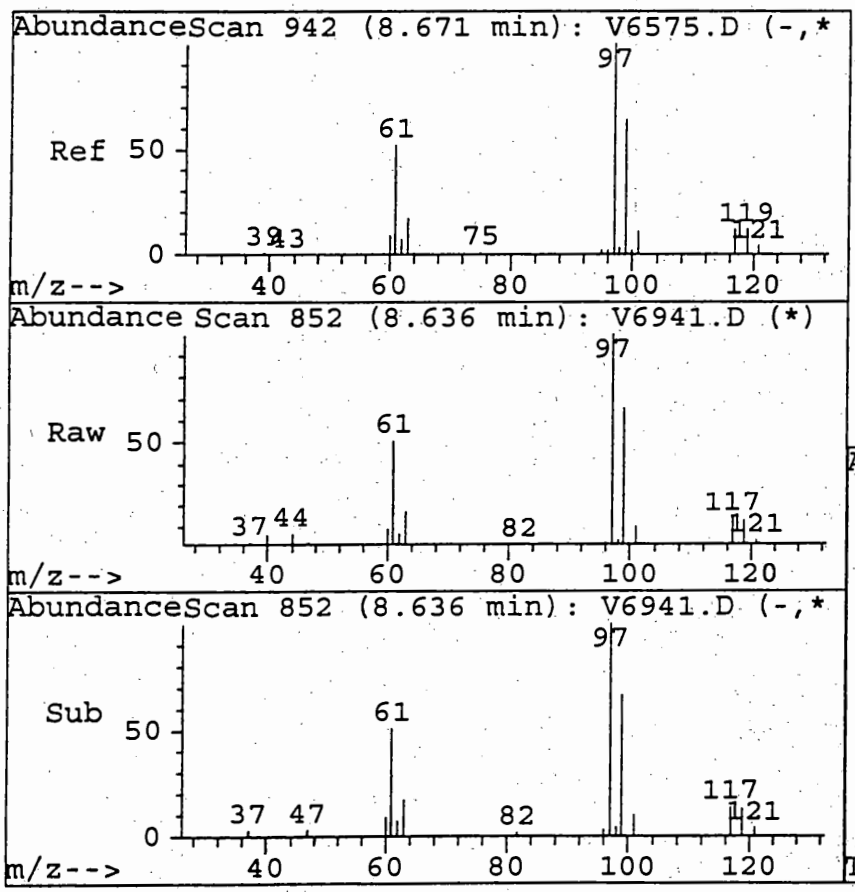


#9
methylene chloride
Concen: 6.00 ug/L
RT: 4.39 min Scan# 386
Delta R.T. 0.01 min
Lab File: V6941.D
Acq: 14 Oct 97 5:33 pm

Tgt Ion:84 Resp: 130422

Ion	Ratio	Lower	Upper
84	100		
86	64.3	47.0	87.2
49	145.6	110.4	205.0
0	0.0	0.0	0.0

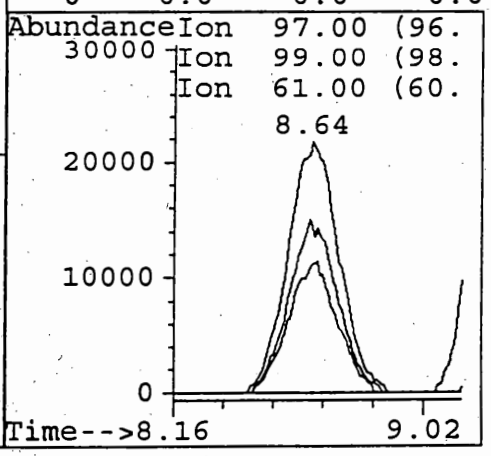




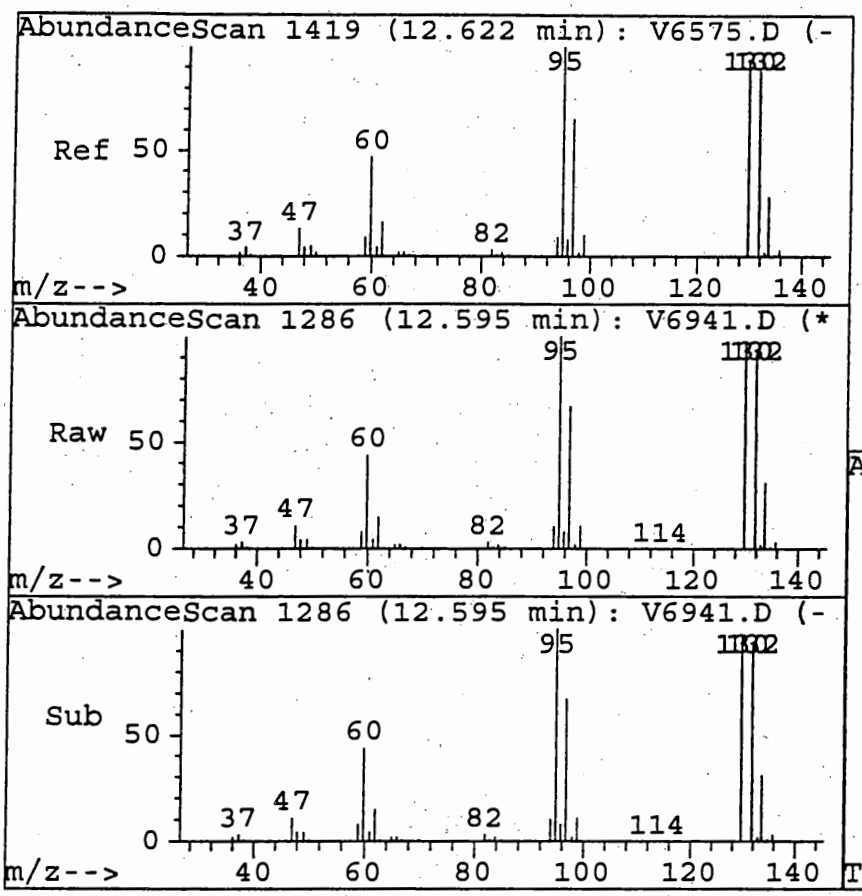
#16
1,1,1-trichloroethane
Concen: 8.76 ug/L
RT: 8.64 min Scan# 852
Delta R.T. 0.04 min
Lab File: V6941.D
Acq: 14 Oct 97 5:33 pm

Tgt Ion:97 Resp: 260884

Ion	Ratio	Lower	Upper
97	100		
99	66.0	45.7	84.9
61	50.9	34.9	64.7
0	0.0	0.0	0.0



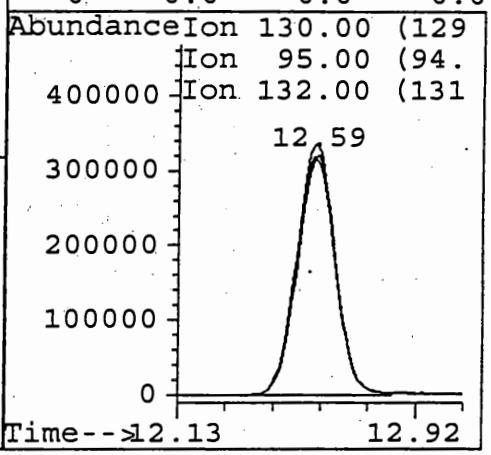
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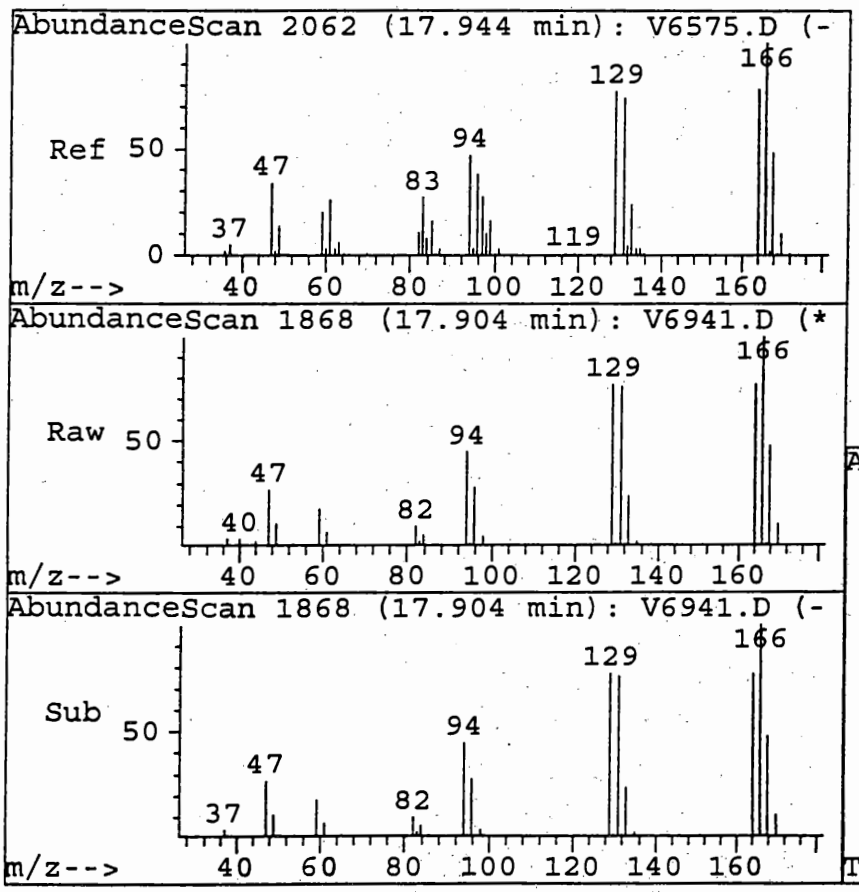


#23
trichloroethene
Concen: 136.18 ug/L
RT: 12.59 min Scan# 1286
Delta R.T. 0.06 min
Lab File: V6941.D
Acq: 14 Oct 97 5:33 pm

Tgt Ion:130 Resp: 2858913

Ion	Ratio	Lower	Upper
130	100		
95	102.7	76.2	141.4
132	96.5	67.2	124.8
0	0.0	0.0	0.0

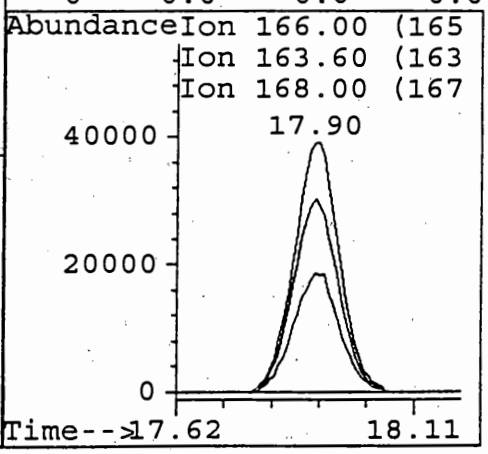




#34
tetrachloroethene
Concen: 10.17 ug/L
RT: 17.90 min Scan# 1868
Delta R.T. 0.20 min
Lab File: V6941.D
Acq: 14 Oct 97 5:33 pm

Tgt Ion:166 Resp: 253131

Ion	Ratio	Lower	Upper
166	100		
164	77.4	53.6	99.5
168	47.7	33.4	62.0
0	0.0	0.0	0.0



000077

Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6941.D
Acq Time : 14 Oct 97 5:33 pm
Sample : 5252DEC-28802
Misc : 5ML 1:10

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000078

VOLATILES

STANDARDS DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Instrument ID: VOA1 Calibration Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Calibration Times: 1248 1537

GC Column RTX624 ID: 0.53 (mm)

Lab File ID: RRF005 = V6610.D RRF20 = V6608.D
RRF50 = V6609.D RRF100 = V6611.D RRF200 = V6612.D

COMPOUND	RRF005	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane	0.340	0.388	0.373	0.401	0.357	0.372	6.5	
Chloromethane *	0.397	0.404	0.380	0.406	0.372	0.392	3.9	*
Vinyl Chloride	0.346	0.392	0.374	0.399	0.357	0.374	6.0	
Bromomethane	0.184	0.176	0.158	0.152	0.102	0.155	20.8	
Chloroethane	0.144	0.119	0.093	0.088	0.068	0.103	28.6	
Trichlorofluoromethane	0.651	0.708	0.588	0.445	0.291	0.537	31.4	
1,1-Dichloroethene	0.584	0.622	0.573	0.584	0.448	0.562	11.8	
Methylene Chloride	1.016	0.601	0.509	0.528	0.464	0.624	36.1	
trans-1,2-Dichloroethene	0.591	0.616	0.583	0.612	0.534	0.587	5.6	
1,1-Dichloroethane *	0.990	0.975	0.980	1.029	0.935	0.982	3.4	*
2,2-Dichloropropane	0.843	0.847	0.799	0.846	0.752	0.817	5.1	
cis-1,2-dichloroethene	1.162	1.185	1.107	1.161	1.035	1.130	5.3	
Bromochloromethane	0.981	0.926	0.857	0.880	0.764	0.882	9.2	
Chloroform	1.175	1.138	1.084	1.153	1.042	1.118	4.8	
1,1,1-Trichloroethane	0.842	0.867	0.846	0.900	0.815	0.854	3.7	
Carbon Tetrachloride	0.286	0.273	0.306	0.360	0.281	0.301	11.6	
1,1-Dichloropropene	1.085	0.685	0.559	0.531	0.478	0.667	36.7	
Benzene	1.129	1.090	1.045	1.054	0.983	1.060	5.2	
1,2-Dichloroethane	0.477	0.460	0.429	0.430	0.397	0.439	7.1	
Trichloroethene	0.418	0.402	0.387	0.400	0.382	0.398	3.5	
1,2-Dichloropropane	0.524	0.506	0.475	0.477	0.434	0.483	7.1	
Dibromomethane	0.419	0.375	0.358	0.366	0.361	0.376	6.7	
Bromodichloromethane	0.546	0.537	0.513	0.518	0.481	0.519	4.9	
cis-1,3-Dichloropropene	0.660	0.640	0.607	0.612	0.564	0.617	5.9	
Toluene	1.396	1.284	1.209	1.214	1.096	1.240	8.9	
trans-1,3-Dichloropropene	0.560	0.531	0.496	0.501	0.439	0.506	8.9	
1,1,2-Trichloroethane	0.480	0.413	0.378	0.371	0.328	0.394	14.5	
Tetrachloroethene	0.474	0.455	0.443	0.462	0.439	0.455	3.1	
1,3-Dichloropropane	0.841	0.758	0.689	0.680	0.622	0.718	11.7	
Dibromochloromethane	0.383	0.368	0.350	0.357	0.340	0.360	4.6	
1,2-Dibromoethane	0.753	0.643	0.603	0.586	0.548	0.626	12.5	
Chlorobenzene *	0.972	0.949	0.902	0.904	0.863	0.918	4.6	*
1,1,1,2-Tetrachloroethane	0.446	0.420	0.404	0.424	0.411	0.421	3.8	
Ethylbenzene	1.677	1.648	1.530	1.487	1.326	1.534	9.2	
m&p-xylenes	1.251	1.239	1.162	1.160	1.080	1.178	5.9	
o-xylene	1.369	1.312	1.218	1.199	1.094	1.238	8.6	

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

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Instrument ID: VOA1 Calibration Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Calibration Times: 1248 1537

GC Column RTX624 ID: 0.53 (mm)

Lab File ID: RRF005 = V6610.D RRF20 = V6608.D
RRF50 = V6609.D RRF100 = V6611.D RRF200 = V6612.D

COMPOUND		RRF005	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Styrene		0.304	0.302	0.289	0.289	0.278	0.292	3.6	
Bromoform	*	0.203	0.173	0.170	0.174	0.177	0.179	7.5	*
isopropylbenzene		3.155	3.090	2.865	2.807	2.572	2.898	8.1	
Bromobenzene		2.224	2.013	1.815	1.748	1.559	1.872	13.6	
1,1,2,2-Tetrachloroethane	*	2.233	1.527	1.320	1.191	1.079	1.470	31.1	*
1,2,3-Trichloropropane		1.719	1.145	0.915	0.841	0.874	1.099	33.4	
n-Propylbenzene		0.805	0.794	0.745	0.745	0.693	0.756	5.9	
2-Chlorotoluene		0.835	0.793	0.738	0.745	0.696	0.761	7.0	
4-Chlorotoluene		0.867	0.808	0.747	0.741	0.696	0.772	8.6	
1,3,5-Trimethylbenzene		2.319	2.275	2.066	2.004	1.789	2.091	10.3	
tert-Butylbenzene		2.443	2.375	2.218	2.192	2.023	2.250	7.3	
1,2,4-Trimethylbenzene		2.746	2.554	2.347	2.289	2.099	2.407	10.4	
sec-Butylbenzene		3.978	3.802	3.536	3.450	3.108	3.575	9.4	
1,3-Dichlorobenzene		1.844	1.655	1.547	1.547	1.463	1.611	9.1	
4-Isopropyltoluene		2.984	2.894	2.697	2.669	2.426	2.734	7.9	
1,4-Dichlorobenzene		1.736	1.550	1.476	1.489	1.415	1.533	8.0	
1,2-Dichlorobenzene		1.808	1.524	1.433	1.421	1.356	1.508	11.8	
n-Butylbenzene		3.370	3.136	2.889	2.778	2.396	2.914	12.7	
1,2-Dibromo-3-chloropropane		0.611	0.313	0.281	0.251	0.245	0.340	45.2	
1,2,4-Trichlorobenzene		1.775	1.097	1.107	1.158	1.148	1.257	23.1	
Hexachlorobutadiene		0.810	0.706	0.682	0.726	0.712	0.727	6.7	
Naphthalene		3.264	1.601	1.927	1.963	1.955	2.142	30.1	
1,2,3-Trichlorobenzene		1.583	0.999	0.984	0.992	0.993	1.110	23.8	
Dibromofluoromethane		0.714	0.736	0.700	0.705	0.674	0.706	3.2	
Toluene-d8		1.184	1.147	1.099	1.081	1.007	1.104	6.1	
4-Bromofluorobenzene		0.804	0.759	0.702	0.681	0.623	0.714	9.8	

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

Response Factor Report 5971 - In

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Initial Calibration

Calibration Files
50 =V6609.D 5 =V6610.D 20 =V6608.D
100 =V6611.D 200 =V6612.D

		Compound	50	5	20	100	200	Avg	%RSD
1)		Pentafluorobenzene	----------ISTD----------						
2)	T	dichlorodifluoromethane	0.373	0.340	0.388	0.401	0.357	0.372	6.51
3)	T	chloromethane	0.380	0.397	0.404	0.406	0.372	0.392	3.89
4)	T	vinyl chloride	0.374	0.346	0.392	0.399	0.357	0.374	6.02
5)	T	bromomethane	0.158	0.184	0.176	0.152	0.102	0.155	20.83
6)	T	chloroethane	0.093	0.144	0.119	0.088	0.068	0.102	28.56
7)	T	trichlorofluoromethane	0.588	0.651	0.708	0.445	0.291	0.536	31.44
8)	T	1,1-dichloroethene	0.573	0.584	0.622	0.584	0.448	0.562	11.84
9)	T	methylene chloride	0.509	1.016	0.601	0.528	0.464	0.624	36.07
10)	T	trans-1,2-dichloroethene	0.583	0.591	0.616	0.612	0.534	0.587	5.58
11)	T	1,1-dichloroethane	0.980	0.990	0.975	1.029	0.935	0.982	3.42
12)	T	2,2-dichloropropane	0.799	0.843	0.846	0.846	0.752	0.817	5.09
13)	T	cis-1,2-dichloroethene	1.107	1.162	1.185	1.161	1.035	1.130	5.32
14)	T	bromochloromethane	0.857	0.981	0.926	0.879	0.764	0.882	9.21
15)	T	chloroform	1.084	1.175	1.138	1.153	1.042	1.118	4.85
16)	T	1,1,1-trichloroethane	0.846	0.842	0.867	0.900	0.815	0.854	3.69
17)	s	Dibromofluoromethane	0.700	0.714	0.736	0.704	0.674	0.706	3.18
18)		1,4-Difluorobenzene	----------ISTD----------						
19)	T	carbon tetrachloride	0.306	0.286	0.273	0.360	0.281	0.301	11.59
20)	T	1,1-dichloropropene	0.559	1.085	0.685	0.531	0.478	0.667	36.74
21)	T	benzene	1.045	1.129	1.090	1.054	0.983	1.060	5.15
22)	T	1,2-dichloroethane	0.429	0.477	0.460	0.430	0.397	0.439	7.07
23)	T	trichloroethene	0.387	0.418	0.402	0.400	0.382	0.398	3.52
24)	T	1,2-dichloropropane	0.475	0.524	0.506	0.477	0.434	0.483	7.12
25)	T	dibromomethane	0.358	0.419	0.375	0.366	0.361	0.376	6.68
26)	T	bromodichloromethane	0.513	0.546	0.537	0.518	0.481	0.519	4.89
27)	T	cis-1,3-dichloropropene	0.607	0.660	0.640	0.612	0.564	0.617	5.90
28)	s	Toluene-d8	1.099	1.184	1.147	1.081	1.007	1.104	6.10
29)	T	toluene	1.209	1.396	1.284	1.214	1.096	1.240	8.88
30)	T	trans-1,3-dichloropropene	0.496	0.560	0.531	0.501	0.439	0.506	8.91
31)	T	1,1,2-trichloroethane	0.378	0.480	0.413	0.371	0.328	0.394	14.47
32)	s	4-Bromofluorobenzene	0.702	0.804	0.759	0.681	0.623	0.714	9.82
33)		Chlorobenzene-d5	----------ISTD----------						
34)	T	tetrachloroethene	0.443	0.474	0.455	0.462	0.439	0.455	3.11
35)	T	1,3-dichloropropane	0.689	0.841	0.758	0.680	0.622	0.718	11.73
36)	T	dibromochloromethane	0.350	0.383	0.368	0.357	0.340	0.360	4.63
37)	T	1,2-dibromoethane	0.603	0.753	0.643	0.586	0.548	0.626	12.54
38)	T	chlorobenzene	0.902	0.972	0.949	0.904	0.863	0.918	4.64
39)	T	1,1,1,2-tetrachloroethane	0.403	0.446	0.420	0.424	0.411	0.421	3.79
40)	T	ethylbenzene	1.530	1.677	1.648	1.487	1.325	1.534	9.17
41)	T	m&p-xylenes	1.162	1.251	1.239	1.160	1.080	1.178	5.87

(#) = Out of Range

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Initial Calibration

Calibration Files
50 =V6609.D 5 =V6610.D 20 =V6608.D
100 =V6611.D 200 =V6612.D

		Compound	50	5	20	100	200	Avg	%RSD
42)	T	o-xylene	1.218	1.368	1.312	1.199	1.094	1.238	8.59
43)	T	styrene	0.288	0.304	0.302	0.289	0.278	0.292	3.61
44)	T	bromoform	0.170	0.203	0.173	0.174	0.177	0.179	7.51
45)		1,4-dichlorobenzene-d4	ISTD						
46)	T	isopropylbenzene	2.864	3.155	3.090	2.807	2.572	2.898	8.07
47)	T	bromobenzene	1.815	2.224	2.013	1.748	1.559	1.872	13.63
48)	T	1,1,2,2-tetrachloroethane	1.320	2.233	1.527	1.191	1.079	1.470	31.14
49)		1,2,3-trichloropropane	0.915	1.719	1.145	0.841	0.874	1.099	33.35
50)	T	n-propylbenzene	0.745	0.805	0.794	0.745	0.693	0.756	5.94
51)	T	2-chlorotoluene	0.738	0.835	0.793	0.745	0.696	0.761	7.03
52)	T	4-chlorotoluene	0.747	0.867	0.807	0.741	0.696	0.772	8.62
53)	T	1,3,5-trimethylbenzene	2.066	2.319	2.275	2.004	1.789	2.091	10.29
54)	T	tert-butylbenzene	2.218	2.443	2.375	2.191	2.023	2.250	7.33
55)	T	1,2,4-trimethylbenzene	2.347	2.746	2.554	2.288	2.099	2.407	10.37
56)	T	sec-butylbenzene	3.536	3.978	3.802	3.450	3.108	3.575	9.37
57)	T	1,3-dichlorobenzene	1.547	1.844	1.655	1.547	1.463	1.611	9.13
58)	T	4-isopropyltoluene	2.697	2.984	2.894	2.669	2.426	2.734	7.94
59)	T	1,4-dichlorobenzene	1.475	1.736	1.549	1.489	1.415	1.533	8.03
60)	T	1,2-dichlorobenzene	1.433	1.808	1.524	1.421	1.356	1.508	11.79
61)	T	n-butylbenzene	2.889	3.370	3.136	2.778	2.396	2.914	12.66
62)	T	1,2-dibromo-3-chloropropa	0.281	0.611	0.313	0.251	0.245	0.340	45.23
63)	T	1,2,4-trichlorobenzene	1.107	1.775	1.097	1.158	1.148	1.257	23.12
64)	T	hexachlorobutadiene	0.682	0.810	0.706	0.726	0.712	0.727	6.71
65)	T	naphthalene	1.927	3.264	1.601	1.963	1.955	2.142	30.12
66)	T	1,2,3-trichlorobenzene	0.984	1.583	0.999	0.992	0.993	1.110	23.79

(#) = Out of Range

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6608.D
Acq Time : 25 Sep 97 12:48 pm
Sample : 20PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:46 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.38	168	1989266	50.00	ug/L	0.09
18) 1,4-Difluorobenzene	12.01	114	3056319	50.00	ug/L	0.08
33) Chlorobenzene-d5	20.27	117	2956120	50.00	ug/L	0.26
45) 1,4-dichlorobenzene-d4	26.13	152	1562200	50.00	ug/L	0.11
System Monitoring Compounds						**%Recovery**
17) Dibromofluoromethane	8.99	113	585541	21.01	ug/L	42.03%
28) Toluene-d8	16.37	98	1401723	20.86	ug/L	41.72%
32) 4-Bromofluorobenzene	23.32	95	927399	21.63	ug/L	43.25%
Target Compounds						**Qvalue**
2) dichlorodifluoromethane	1.71	85	308346	20.76	ug/L	98
3) chloromethane	1.94	50	321481	21.25	ug/L	97
4) vinyl chloride	2.03	62	311874	20.94	ug/L	99
5) bromomethane	2.42	94	140313	22.31	ug/L	98
6) chloroethane	2.53	64	94515	25.49	ug/L	92
7) trichlorofluoromethane	2.80	101	563438	24.10	ug/L	98
8) 1,1-dichloroethene	3.53	61	494999	21.72	ug/L	95
9) methylene chloride	4.41	84	478388	23.64	ug/L	97
10) trans-1,2-dichloroethene	4.81	61	490434	21.13	ug/L	93
11) 1,1-dichloroethane	5.79	63	775640	19.89	ug/L	100
12) 2,2-dichloropropane	7.18	77	673533	21.19	ug/L	94
13) cis-1,2-dichloroethene	7.33	61	943217	21.41	ug/L	96
14) bromochloromethane	8.05	49	736964	21.63	ug/L	94
15) chloroform	8.41	83	905461	21.00	ug/L	99
16) 1,1,1-trichloroethane	8.71	97	689676	20.49	ug/L	95
19) carbon tetrachloride	9.12	117	333677	17.85	ug/L	100
20) 1,1-dichloropropene	9.34	75	836929	24.49	ug/L	91
21) benzene	10.07	78	1332801	20.87	ug/L	99
22) 1,2-dichloroethane	10.59	62	562697	21.46	ug/L	98
23) trichloroethene	12.64	130	491679	20.78	ug/L	99
24) 1,2-dichloropropane	13.52	63	618049	21.30	ug/L	97
25) dibromomethane	13.89	174	458451	20.95	ug/L	94
26) bromodichloromethane	14.49	83	656247	20.92	ug/L	98
27) cis-1,3-dichloropropene	15.85	75	782705	21.09	ug/L	99
29) toluene	16.56	91	1570078	21.24	ug/L	98
30) trans-1,3-dichloropropene	17.57	75	649686	21.43	ug/L	99
31) 1,1,2-trichloroethane	18.00	97	505026	21.83	ug/L	100
34) tetrachloroethene	17.95	166	538420	20.54	ug/L	99
35) 1,3-dichloropropane	18.41	76	896795	22.02	ug/L	100
36) dibromochloromethane	18.87	129	434834	21.03	ug/L	98
37) 1,2-dibromoethane	19.08	107	760340	21.32	ug/L	99
38) chlorobenzene	20.34	112	1121827	21.03	ug/L	99
39) 1,1,1,2-tetrachloroethane	20.65	133	496140	20.80	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6608.D
Acq Time : 25 Sep 97 12:48 pm
Sample : 20PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:46 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) ethylbenzene	20.62	91	1948733	21.54 ug/L	99
41) m&p-xylenes	20.96	106	1464955	21.33 ug/L	97
42) o-xylene	21.93	91	1551760	21.55 ug/L	100
43) styrene	22.03	104	357334	20.95 ug/L	99
44) bromoform	22.46	173	204259	20.35 ug/L	99
46) isopropylbenzene	22.87	105	1930852	21.57 ug/L	99
47) bromobenzene	23.57	77	1258104	22.18 ug/L	97
48) 1,1,2,2-tetrachloroethane	23.91	83	953909	23.13 ug/L	100
49) 1,2,3-trichloropropane	23.94	75	715201	25.01 ug/L	95
50) n-propylbenzene	23.90	120	496373	21.32 ug/L	98
51) 2-chlorotoluene	24.08	126	495423	21.49 ug/L	98
52) 4-chlorotoluene	24.39	126	504567	21.63 ug/L	99
53) 1,3,5-trimethylbenzene	24.40	105	1421546	22.02 ug/L	99
54) tert-butylbenzene	25.12	119	1484251	21.42 ug/L	98
55) 1,2,4-trimethylbenzene	25.28	105	1595671	21.76 ug/L	98
56) sec-butylbenzene	25.66	105	2375815	21.51 ug/L	99
57) 1,3-dichlorobenzene	25.92	146	1033876	21.40 ug/L	99
58) 4-isopropyltoluene	26.07	119	1808566	21.46 ug/L	100
59) 1,4-dichlorobenzene	26.19	146	968223	21.00 ug/L	98
60) 1,2-dichlorobenzene	27.06	146	952208	21.27 ug/L	98
61) n-butylbenzene	27.07	91	1959458	21.71 ug/L	99
62) 1,2-dibromo-3-chloropropan	29.03	75	195397	22.23 ug/L	92
63) 1,2,4-trichlorobenzene	30.96	180	685712	19.83 ug/L	100
64) hexachlorobutadiene	31.32	225	441138	20.70 ug/L	99
65) naphthalene	31.53	128	1000200	16.62 ug/L	99
66) 1,2,3-trichlorobenzene	32.13	180	623985	20.29 ug/L	99

(#) = qualifier out of range (m) = manual integration

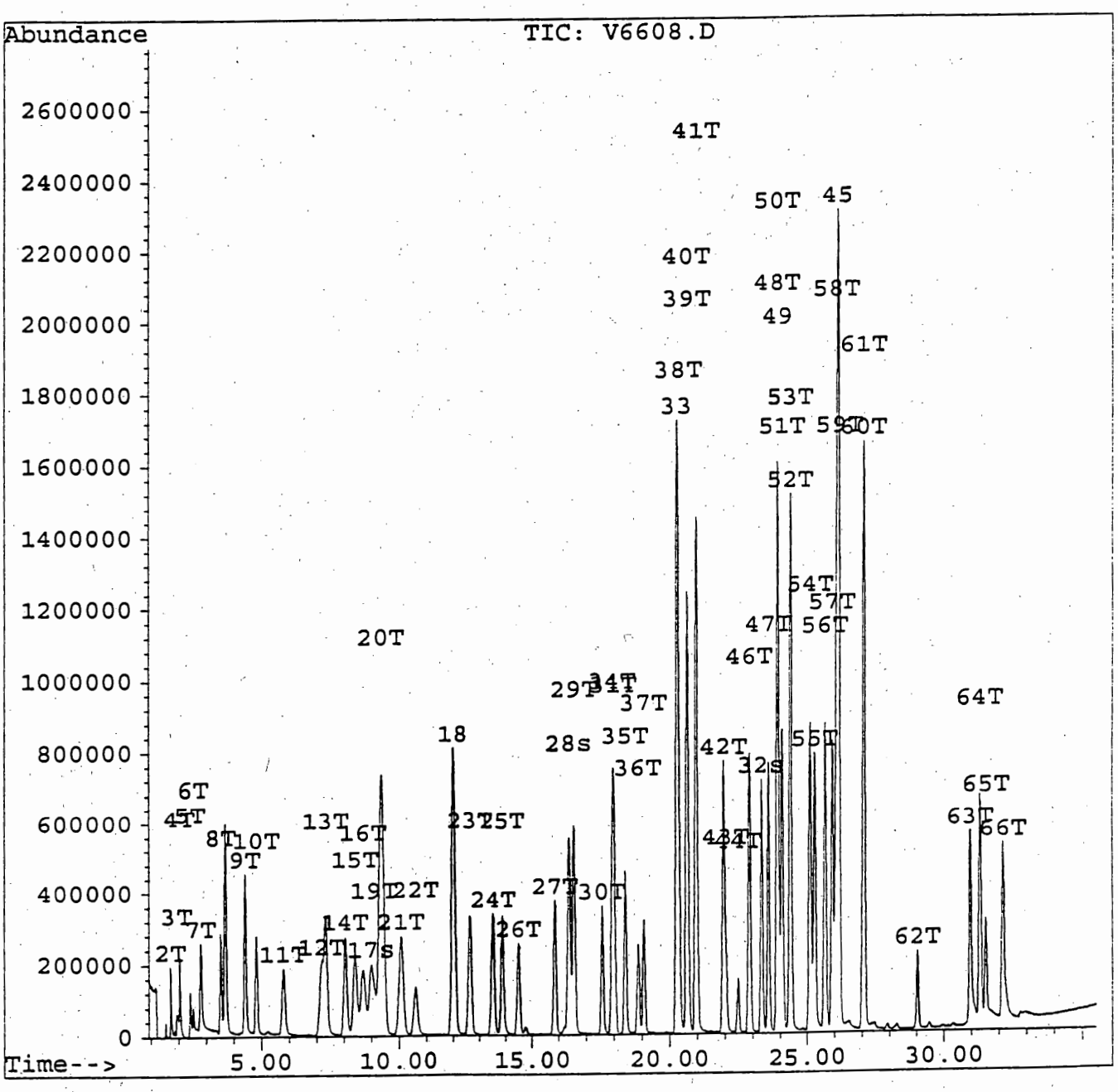
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Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6608.D
Acq Time : 25 Sep 97 12:48 pm
Sample : 20PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:46 1997

Operator: RC
Inst : 5971 - I
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration



Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6609.D
Acq Time : 25 Sep 97 1:29 pm
Sample : 50PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:43 1997

Operator: RC
Inst : 5971 - 1
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min
1) Pentafluorobenzene	9.38	168	2036211	50.00	ug/L	0.10
18) 1,4-Difluorobenzene	12.03	114	3114755	50.00	ug/L	0.10
33) Chlorobenzene-d5	20.27	117	3021863	50.00	ug/L	0.26
45) 1,4-dichlorobenzene-d4	26.12	152	1608450	50.00	ug/L	0.10
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.99	113	1426145	49.54	ug/L	99.08
28) Toluene-d8	16.38	98	3423888	54.81	ug/L	109.62%
32) 4-Bromofluorobenzene	23.31	95	2185159	48.09	ug/L	96.17%
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	760027	48.49	ug/L	98
3) chloromethane	1.96	50	774143	47.17	ug/L	100
4) vinyl chloride	2.04	62	762245	49.97	ug/L	99
5) bromomethane	2.42	94	321893	54.57	ug/L	99
6) chloroethane	2.54	64	189759	57.11	ug/L	94
7) trichlorofluoromethane	2.79	101	1196329	77.54	ug/L	98
8) 1,1-dichloroethene	3.53	61	1166538	58.04	ug/L	96
9) methylene chloride	4.42	84	1035556	51.65	ug/L	98
10) trans-1,2-dichloroethene	4.82	61	1187778	50.65	ug/L	98
11) 1,1-dichloroethane	5.80	63	1995918	52.54	ug/L	99
12) 2,2-dichloropropane	7.19	77	1626573	50.59	ug/L	99
13) cis-1,2-dichloroethene	7.33	61	2254887	50.61	ug/L	95
14) bromochloromethane	8.06	49	1744129	50.04	ug/L	98
15) chloroform	8.42	83	2207005	49.90	ug/L	98
16) 1,1,1-trichloroethane	8.70	97	1722306	50.71	ug/L	98
19) carbon tetrachloride	9.13	117	952566	50.14	ug/L	98
20) 1,1-dichloropropene	9.34	75	1741234	50.04	ug/L	99
21) benzene	10.09	78	3253750	50.68	ug/L	99
22) 1,2-dichloroethane	10.62	62	1335907	48.63	ug/L	99
23) trichloroethene	12.63	130	1205484	50.06	ug/L	98
24) 1,2-dichloropropane	13.51	63	1478846	51.52	ug/L	97
25) dibromomethane	13.89	174	1114925	46.51	ug/L	95
26) bromodichloromethane	14.50	83	1598595	51.85	ug/L	98
27) cis-1,3-dichloropropene	15.86	75	1890749	53.00	ug/L	99
29) toluene	16.56	91	3766028	54.99	ug/L	99
30) trans-1,3-dichloropropene	17.57	75	1544718	52.87	ug/L	99
31) 1,1,2-trichloroethane	18.00	97	1178715	51.80	ug/L	99
34) tetrachloroethene	17.95	166	1339842	51.97	ug/L	99
35) 1,3-dichloropropane	18.40	76	2081294	53.68	ug/L	99
36) dibromochloromethane	18.88	129	1057028	51.11	ug/L	97
37) 1,2-dibromoethane	19.08	107	1822509	51.07	ug/L	99
38) chlorobenzene	20.34	112	2726339	50.42	ug/L	99
39) 1,1,1,2-tetrachloroethane	20.65	133	1219241	48.61	ug/L	97

(#) = qualifier out of range (m) = manual integration

00008

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6609.D
Acq Time : 25 Sep 97 1:29 pm
Sample : 50PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:43 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) ethylbenzene	20.63	91	4624259	51.26 ug/L	100
41) m&p-xylenes	20.96	106	3509973	51.01 ug/L	99
42) o-xylene	21.94	91	3681224	50.68 ug/L	99
43) styrene	22.03	104	871708	50.48 ug/L	98
44) bromoform	22.46	173	513146	43.62 ug/L	99
46) isopropylbenzene	22.87	105	4607367	51.89 ug/L	100
47) bromobenzene	23.56	77	2919531	50.70 ug/L	99
48) 1,1,2,2-tetrachloroethane	23.91	83	2123121	40.76 ug/L	100
49) 1,2,3-trichloropropane	23.94	75	1472288	37.12 ug/L	97
50) n-propylbenzene	23.90	120	1198316	51.88 ug/L	94
51) 2-chlorotoluene	24.08	126	1186774	50.77 ug/L	98
52) 4-chlorotoluene	24.38	126	1200960	50.49 ug/L	95
53) 1,3,5-trimethylbenzene	24.38	105	3323206	51.47 ug/L	99
54) tert-butylbenzene	25.11	119	3566962	51.62 ug/L	99
55) 1,2,4-trimethylbenzene	25.28	105	3775064	50.62 ug/L	98
56) sec-butylbenzene	25.66	105	5686902	51.67 ug/L	99
57) 1,3-dichlorobenzene	25.92	146	2487589	50.34 ug/L	99
58) 4-isopropyltoluene	26.06	119	4337679	51.54 ug/L	99
59) 1,4-dichlorobenzene	26.18	146	2373216	50.33 ug/L	99
60) 1,2-dichlorobenzene	27.06	146	2304835	49.19 ug/L	100
61) n-butylbenzene	27.06	91	4647156	52.88 ug/L	99
62) 1,2-dibromo-3-chloropropan	29.04	75	452521	32.61 ug/L	98
63) 1,2,4-trichlorobenzene	30.96	180	1779989	53.61 ug/L	99
64) hexachlorobutadiene	31.32	225	1097215	51.28 ug/L	99
65) naphthalene	31.52	128	3098713	42.32 ug/L	99
66) 1,2,3-trichlorobenzene	32.13	180	1583395	50.75 ug/L	97

(#) = qualifier out of range (m) = manual integration

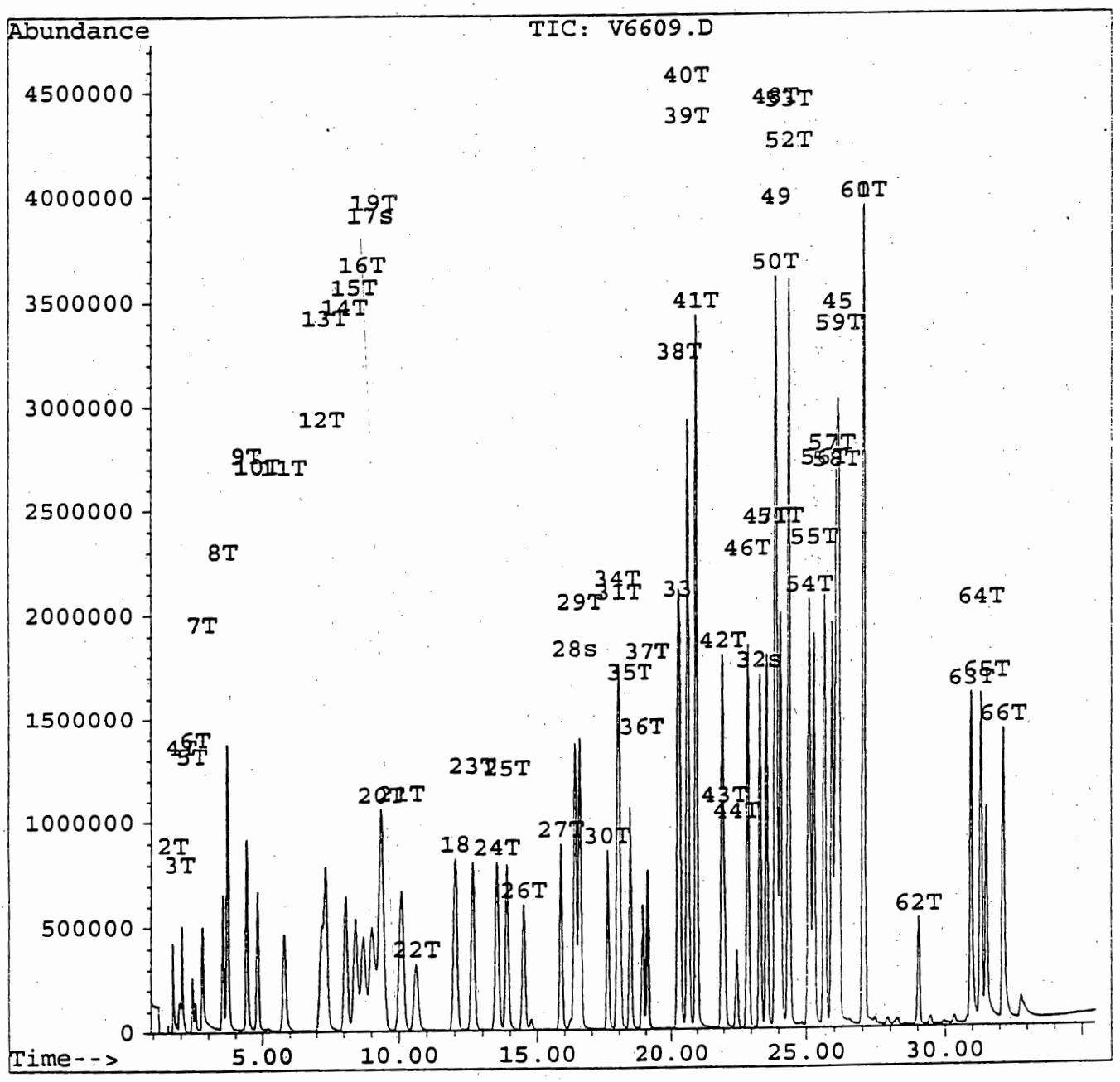
000088

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6609.D
Acq Time : 25 Sep 97 1:29 pm
Sample : 50PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 14:43 1997

Operator: RC
Inst : 5971 - 1...
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6610.D
Acq Time : 25 Sep 97 2:14 pm
Sample : 5PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:53 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.36	168	2079910	50.00	ug/L	0.08
18) 1,4-Difluorobenzene	12.00	114	3162289	50.00	ug/L	0.08
33) Chlorobenzene-d5	20.27	117	3092735	50.00	ug/L	0.26
45) 1,4-dichlorobenzene-d4	26.12	152	1580344	50.00	ug/L	0.10
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.96	113	148414	5.09	ug/L	10.19%
28) Toluene-d8	16.37	98	374353	5.38	ug/L	10.77%
32) 4-Bromofluorobenzene	23.31	95	254321	5.73	ug/L	11.46%
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	70714	4.55	ug/L	98
3) chloromethane	1.92	50	82560	5.22	ug/L	99
4) vinyl chloride	2.03	62	71867	4.62	ug/L	98
5) bromomethane	2.41	94	38360	5.83	ug/L	97
6) chloroethane	2.54	64	29904	7.71	ug/L	98
7) trichlorofluoromethane	2.81	101	135422	5.54	ug/L	98
8) 1,1-dichloroethene	3.52	61	121472	5.10	ug/L	94
9) methylene chloride	4.41	84	211408	9.99	ug/L m	98
10) trans-1,2-dichloroethene	4.81	61	122990	5.07	ug/L	100
11) 1,1-dichloroethane	5.77	63	205821	5.05	ug/L	98
12) 2,2-dichloropropane	7.16	77	175285	5.27	ug/L	95
13) cis-1,2-dichloroethene	7.32	61	241666	5.25	ug/L	95
14) bromochloromethane	8.04	49	204101	5.73	ug/L	99
15) chloroform	8.39	83	244387	5.42	ug/L	99
16) 1,1,1-trichloroethane	8.70	97	175066	4.98	ug/L m	94
19) carbon tetrachloride	9.11	117	90516	4.68	ug/L	87
20) 1,1-dichloropropene	9.35	75	342981	9.70	ug/L m	76
21) benzene	10.05	78	356999	5.40	ug/L	96
22) 1,2-dichloroethane	10.60	62	150906	5.56	ug/L	98
23) trichloroethene	12.62	130	132171	5.40	ug/L	97
24) 1,2-dichloropropane	13.50	63	165816	5.52	ug/L	95
25) dibromomethane	13.85	174	132487	5.85	ug/L	95
26) bromodichloromethane	14.49	83	172783	5.32	ug/L	98
27) cis-1,3-dichloropropene	15.85	75	208605	5.43	ug/L	100
29) toluene	16.55	91	441305	5.77	ug/L	97
30) trans-1,3-dichloropropene	17.56	75	177027	5.64	ug/L	96
31) 1,1,2-trichloroethane	18.00	97	151882	6.35	ug/L	99
34) tetrachloroethene	17.93	166	146563	5.34	ug/L	98
35) 1,3-dichloropropane	18.41	76	260069	6.10	ug/L	99
36) dibromochloromethane	18.86	129	118574	5.48	ug/L	100
37) 1,2-dibromoethane	19.07	107	232843	6.24	ug/L	100
38) chlorobenzene	20.34	112	300475	5.38	ug/L	98
39) 1,1,1,2-tetrachloroethane	20.64	133	137827	5.52	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6610.D
Acq Time : 25 Sep 97 2:14 pm
Sample : 5PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:53 1997

Operator: RC
Inst : 5971 - I
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	ethylbenzene	20.63	91	518551	5.48	ug/L		98
41)	m&p-xylenes	20.95	106	386773	5.38	ug/L		96
42)	o-xylene	21.93	91	423228	5.62	ug/L		99
43)	styrene	22.01	104	93912	5.26	ug/L		98
46)	isopropylbenzene	22.87	105	498618	5.51	ug/L		98
47)	bromobenzene	23.56	77	351486	6.13	ug/L		98
48)	1,1,2,2-tetrachloroethane	23.89	83	352842	8.46	ug/L		99
49)	1,2,3-trichloropropane	23.93	75	271636	9.39	ug/L		97
50)	n-propylbenzene	23.89	120	127166	5.40	ug/L		93
51)	2-chlorotoluene	24.07	126	131880	5.66	ug/L		97
52)	4-chlorotoluene	24.38	126	137051	5.81	ug/L		98
53)	1,3,5-trimethylbenzene	24.38	105	366484	5.61	ug/L		99
54)	tert-butylbenzene	25.11	119	386055	5.51	ug/L		97
55)	1,2,4-trimethylbenzene	25.28	105	433999	5.85	ug/L		100
56)	sec-butylbenzene	25.66	105	628632	5.63	ug/L		99
57)	1,3-dichlorobenzene	25.91	146	291456	5.96	ug/L		98
58)	4-isopropyltoluene	26.06	119	471574	5.53	ug/L		99
59)	1,4-dichlorobenzene	26.18	146	274312	5.88	ug/L		97
60)	1,2-dichlorobenzene	27.05	146	285708	6.31	ug/L		99
61)	n-butylbenzene	27.06	91	532500	5.83	ug/L		99
62)	1,2-dibromo-3-chloropropan	29.03	75	96616	10.87	ug/L	m	91
63)	1,2,4-trichlorobenzene	30.96	180	280443	8.02	ug/L		98
64)	hexachlorobutadiene	31.31	225	127962	5.93	ug/L		96
65)	naphthalene	31.51	128	515775	8.47	ug/L	m	99
66)	1,2,3-trichlorobenzene	32.13	180	250101	8.04	ug/L	m	100

(#) = qualifier out of range (m) = manual integration

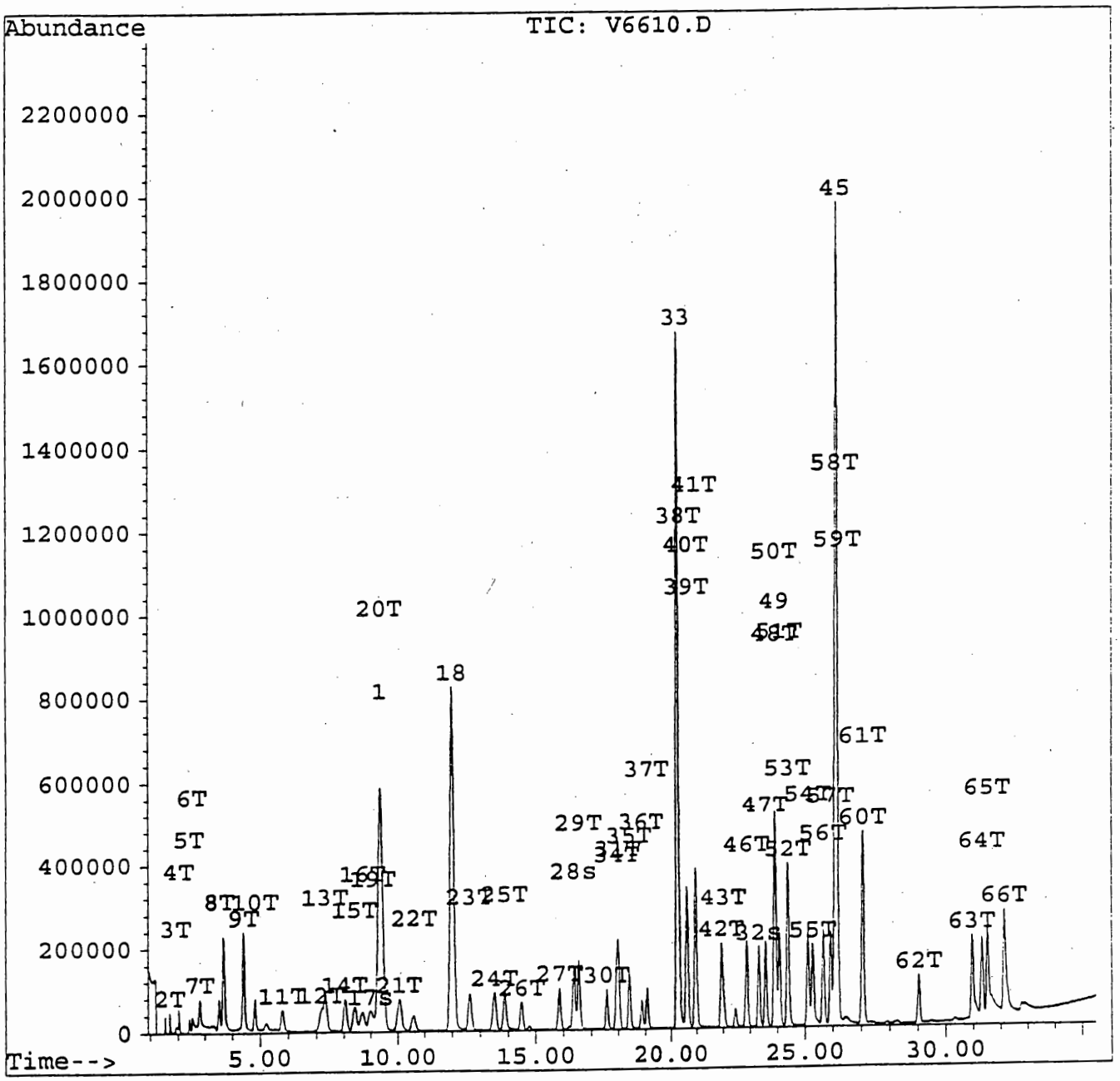
000091

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6610.D
Acq Time : 25 Sep 97 2:14 pm
Sample : 5PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:53 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration



Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6611.D
Acq Time : 25 Sep 97 2:56 pm
Sample : 100PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:49 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	9.39	168	1920636	50.00	ug/L		0.11
18) 1,4-Difluorobenzene	12.02	114	3059273	50.00	ug/L		0.09
33) Chlorobenzene-d5	20.27	117	2988609	50.00	ug/L		0.26
45) 1,4-dichlorobenzene-d4	26.12	152	1605235	50.00	ug/L		0.10
System Monitoring Compounds							%Recovery
17) Dibromofluoromethane	8.99	113	2706080	117.87	ug/L		235.74%
28) Toluene-d8	16.37	98	6615374	114.30	ug/L		228.61%
32) 4-Bromofluorobenzene	23.31	95	4168313	109.75	ug/L		219.49%
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.70	85	1541619	129.36	ug/L		99
3) chloromethane	1.95	50	1560506	124.02	ug/L	m	42
4) vinyl chloride	2.03	62	1531800	127.40	ug/L		99
5) bromomethane	2.41	94	584225	106.95	ug/L		100
6) chloroethane	2.53	64	339451	93.39	ug/L	m	98
7) trichlorofluoromethane	2.78	101	1707696	82.27	ug/L	m	97
8) 1,1-dichloroethene	3.51	61	2243380	117.83	ug/L		97
9) methylene chloride	4.42	84	2029318	92.72	ug/L		99
10) trans-1,2-dichloroethene	4.81	61	2350720	122.77	ug/L		98
11) 1,1-dichloroethane	5.80	63	3953472	126.04	ug/L		99
12) 2,2-dichloropropane	7.19	77	3249436	122.80	ug/L		99
13) cis-1,2-dichloroethene	7.35	61	4459358	121.19	ug/L		98
14) bromochloromethane	8.06	49	3378223	116.05	ug/L		100
15) chloroform	8.43	83	4429422	123.14	ug/L		100
16) 1,1,1-trichloroethane	8.70	97	3455446	141.32	ug/L		99
19) carbon tetrachloride	9.12	117	2201155	149.51	ug/L		98
20) 1,1-dichloropropene	9.34	75	3250109	87.03	ug/L		97
21) benzene	10.07	78	6446148	117.09	ug/L		100
22) 1,2-dichloroethane	10.60	62	2628088	114.26	ug/L		99
23) trichloroethene	12.64	130	2444805	120.09	ug/L		99
24) 1,2-dichloropropane	13.51	63	2916908	115.11	ug/L		98
25) dibromomethane	13.88	174	2236371	116.35	ug/L		99
26) bromodichloromethane	14.49	83	3171566	117.52	ug/L		100
27) cis-1,3-dichloropropene	15.85	75	3743769	116.39	ug/L		99
29) toluene	16.56	91	7427953	114.13	ug/L		98
30) trans-1,3-dichloropropene	17.57	75	3067046	115.03	ug/L		98
31) 1,1,2-trichloroethane	18.01	97	2268797	107.83	ug/L		100
34) tetrachloroethene	17.94	166	2762659	122.09	ug/L		99
35) 1,3-dichloropropane	18.40	76	4062970	109.19	ug/L		99
36) dibromochloromethane	18.87	129	2133448	117.77	ug/L		98
37) 1,2-dibromoethane	19.08	107	3499775	108.26	ug/L		98
38) chlorobenzene	20.34	112	5402477	116.04	ug/L		98
39) 1,1,1,2-tetrachloroethane	20.65	133	2531989	121.51	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6611.D
Acq Time : 25 Sep 97 2:56 pm
Sample : 100PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:49 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40) ethylbenzene	20.62	91	8889009	111.07	ug/L		97
41) m&p-xylenes	20.96	106	6931170	114.97	ug/L		92
42) o-xylene	21.93	91	7164865	111.86	ug/L	m	91
43) styrene	22.03	104	1728100	116.82	ug/L		98
44) bromoform	22.46	173	1040795	117.64	ug/L		99
46) isopropylbenzene	22.87	105	9011981	111.81	ug/L		99
47) bromobenzene	23.56	77	5612717	106.16	ug/L		97
48) 1,1,2,2-tetrachloroethane	23.91	83	3824398	90.18	ug/L		98
49) 1,2,3-trichloropropane	23.93	75	2700375	86.44	ug/L		94
50) n-propylbenzene	23.90	120	2392255	115.13	ug/L		88
51) 2-chlorotoluene	24.08	126	2390544	114.68	ug/L		96
52) 4-chlorotoluene	24.38	126	2379160	111.85	ug/L		92
53) 1,3,5-trimethylbenzene	24.38	105	6433756	109.30	ug/L	m	82
54) tert-butylbenzene	25.11	119	7035729	113.07	ug/L		97
55) 1,2,4-trimethylbenzene	25.27	105	7347145	109.43	ug/L		99
56) sec-butylbenzene	25.66	105	11077250	110.98	ug/L		98
57) 1,3-dichlorobenzene	25.92	146	4965035	112.52	ug/L		98
58) 4-isopropyltoluene	26.06	119	8568556	113.04	ug/L		97
59) 1,4-dichlorobenzene	26.18	146	4781423	114.77	ug/L		98
60) 1,2-dichlorobenzene	27.05	146	4562723	110.44	ug/L		99
61) n-butylbenzene	27.05	91	8918605	108.10	ug/L		96
62) 1,2-dibromo-3-chloropropan	29.03	75	805413	81.75	ug/L		97
63) 1,2,4-trichlorobenzene	30.95	180	3717500	112.37	ug/L		99
64) hexachlorobutadiene	31.31	225	2329259	121.39	ug/L		99
65) naphthalene	31.51	128	6303112	105.47	ug/L		100
66) 1,2,3-trichlorobenzene	32.12	180	3184052	97.61	ug/L		99

(#) = qualifier out of range (m) = manual integration

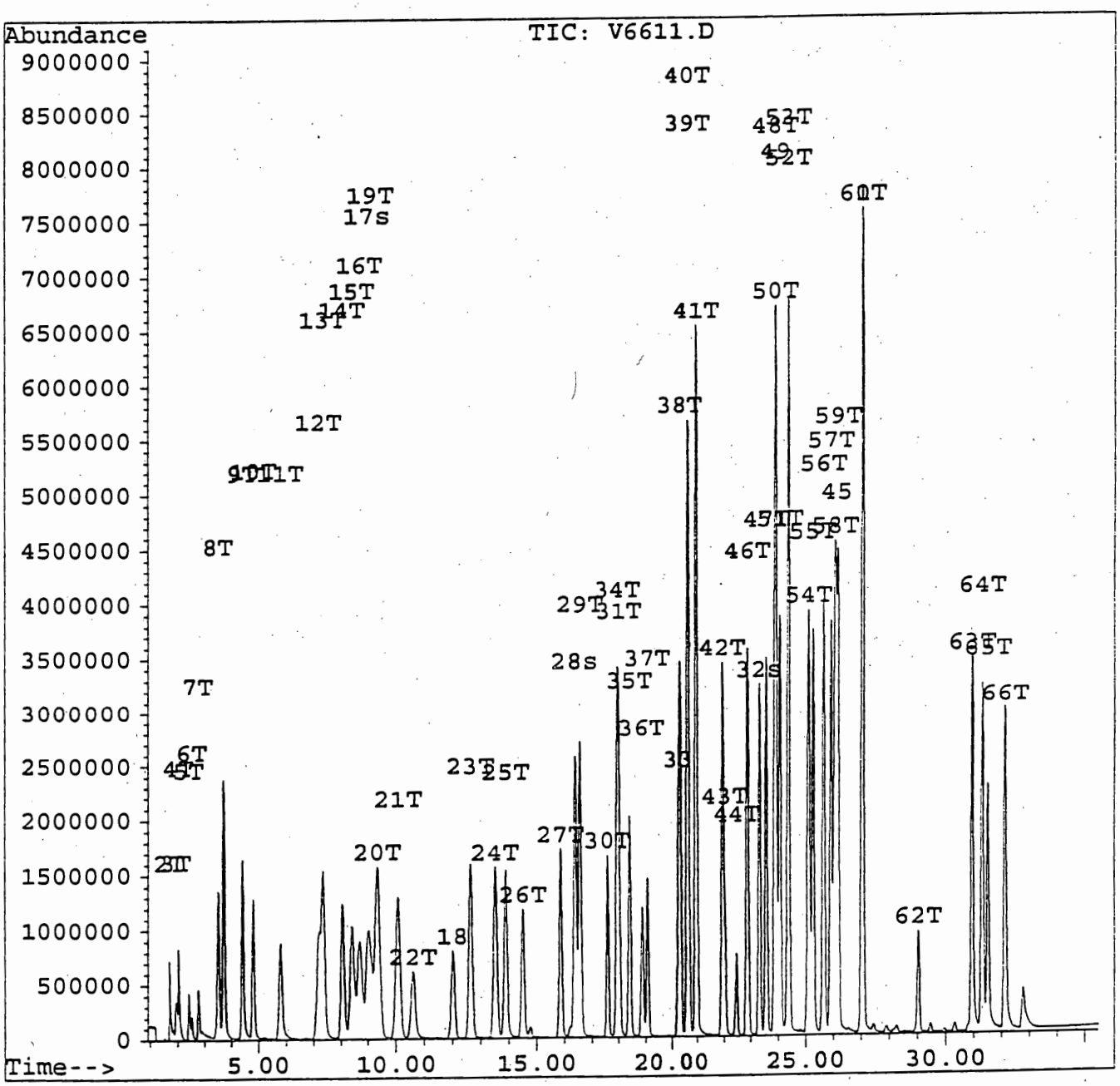
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Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6611.D
Acq Time : 25 Sep 97 2:56 pm
Sample : 100PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:49 1997

Operator: RC
Inst : 5971 -
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000095

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6612.D
Acq Time : 25 Sep 97 3:37 pm
Sample : 200PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:48 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	9.39	168	2080944	50.00	ug/L		0.10
18) 1,4-Difluorobenzene	12.02	114	3226229	50.00	ug/L		0.10
33) Chlorobenzene-d5	20.32	117	3067765	50.00	ug/L		0.31
45) 1,4-dichlorobenzene-d4	26.14	152	1661406	50.00	ug/L		0.12
System Monitoring Compounds							%Recovery
17) Dibromofluoromethane	9.01	113	5608723	192.41	ug/L		384.82%
28) Toluene-d8	16.38	98	12994305	183.20	ug/L		366.41%
32) 4-Bromofluorobenzene	23.34	95	8037749	177.56	ug/L		355.12%
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.70	85	2973286	191.40	ug/L		99
3) chloromethane	1.98	50	3093065	195.48	ug/L	m	42
4) vinyl chloride	2.03	62	2973783	190.87	ug/L		99
5) bromomethane	2.41	94	849047	129.05	ug/L		96
6) chloroethane	2.53	64	568393	146.55	ug/L	m	94
7) trichlorofluoromethane	2.78	101	2423817	99.12	ug/L	m	99
8) 1,1-dichloroethene	3.48	61	3727881	156.35	ug/L		95
9) methylene chloride	4.42	84	3864985	182.60	ug/L	m	95
10) trans-1,2-dichloroethene	4.80	61	4447005	183.17	ug/L		96
11) 1,1-dichloroethane	5.80	63	7786176	190.86	ug/L		99
12) 2,2-dichloropropane	7.19	77	6259858	188.29	ug/L		100
13) cis-1,2-dichloroethene	7.35	61	8619226	187.01	ug/L		98
14) bromochloromethane	8.07	49	6360839	178.43	ug/L		94
15) chloroform	8.43	83	8675457	192.32	ug/L		98
16) 1,1,1-trichloroethane	8.69	97	6784005	192.71	ug/L		98
19) carbon tetrachloride	9.11	117	3628846	183.90	ug/L		96
20) 1,1-dichloropropene	9.32	75	6167214	170.97	ug/L		94
21) benzene	10.07	78	12680796	188.13	ug/L		100
22) 1,2-dichloroethane	10.61	62	5126992	185.26	ug/L		100
23) trichloroethene	12.64	130	4932997	197.54	ug/L		96
24) 1,2-dichloropropane	13.52	63	5600310	182.80	ug/L		97
25) dibromomethane	13.89	174	4652572	201.44	ug/L		94
26) bromodichloromethane	14.50	83	6202201	187.29	ug/L		100
27) cis-1,3-dichloropropene	15.86	75	7279261	185.85	ug/L		99
29) toluene	16.56	91	14147201	181.34	ug/L		96
30) trans-1,3-dichloropropene	17.59	75	5668056	177.13	ug/L		99
31) 1,1,2-trichloroethane	18.05	97	4226649	173.10	ug/L		96
34) tetrachloroethene	17.97	166	5386761	198.01	ug/L		99
35) 1,3-dichloropropane	18.46	76	7628275	180.52	ug/L		99
36) dibromochloromethane	18.94	129	4175212	194.54	ug/L		98
37) 1,2-dibromoethane	19.14	107	6720565	181.62	ug/L		97
38) chlorobenzene	20.39	112	10593999	191.38	ug/L		97
39) 1,1,1,2-tetrachloroethane	20.70	133	5045753	203.83	ug/L		97

(#) = qualifier out of range (m) = manual integration

000096

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6612.D
Acq Time : 25 Sep 97 3:37 pm
Sample : 200PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:48 1997

Operator: RC
Inst : 5971 - 1
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40) ethylbenzene	20.68	91	16264966	173.23	ug/L		94
41) m&p-xylenes	21.01	106	13256949	186.02	ug/L		83
42) o-xylene	21.97	91	13424198	179.61	ug/L	m	95
43) styrene	22.06	104	3416346	193.02	ug/L		97
44) bromoform	22.50	173	2174583	208.72	ug/L		100
46) isopropylbenzene	22.89	105	17089612	179.55	ug/L		97
47) bromobenzene	23.59	77	10359920	171.77	ug/L		88
48) 1,1,2,2-tetrachloroethane	23.93	83	7170298	163.48	ug/L	m	98
49) 1,2,3-trichloropropane	23.98	75	5808274	190.97	ug/L	m	94
50) n-propylbenzene	23.93	120	4603938	185.98	ug/L	m	79
51) 2-chlorotoluene	24.11	126	4624787	188.64	ug/L		90
52) 4-chlorotoluene	24.11	126	4624787	186.41	ug/L		82
53) 1,3,5-trimethylbenzene	24.41	105	11888490	173.17	ug/L	m	86
54) tert-butylbenzene	25.13	119	13444539	182.45	ug/L		95
55) 1,2,4-trimethylbenzene	25.30	105	13949572	178.87	ug/L		93
56) sec-butylbenzene	25.68	105	20655424	175.82	ug/L		97
57) 1,3-dichlorobenzene	25.94	146	9722442	189.19	ug/L		96
58) 4-isopropyltoluene	26.08	119	16121957	179.91	ug/L		96
59) 1,4-dichlorobenzene	26.20	146	9402116	191.77	ug/L		97
60) 1,2-dichlorobenzene	27.07	146	9009804	189.22	ug/L		95
61) n-butylbenzene	27.07	91	15921568	165.84	ug/L		93
62) 1,2-dibromo-3-chloropropan	29.05	75	1629826	174.34	ug/L		91
63) 1,2,4-trichlorobenzene	30.96	180	7628558	207.46	ug/L		97
64) hexachlorobutadiene	31.32	225	4733446	208.83	ug/L		98
65) naphthalene	31.52	128	12992286	202.96	ug/L		99
66) 1,2,3-trichlorobenzene	32.13	180	6601605	201.82	ug/L		100

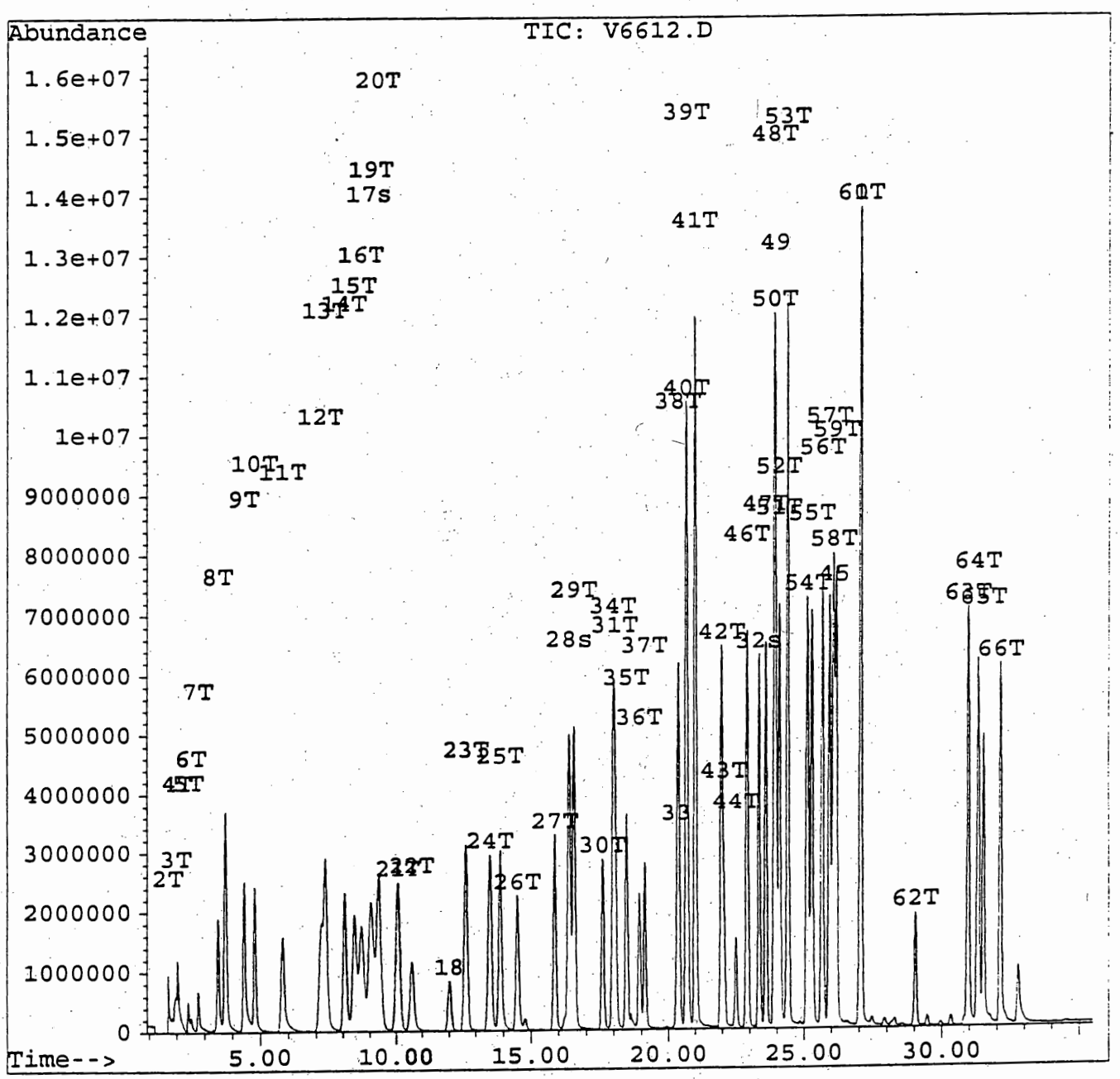
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6612.D
Acq Time : 25 Sep 97 3:37 pm
Sample : 200PPB VOA W 8260 ICC
Misc : 5ML
Quant Time: Sep 25 16:48 1997

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Single Level Calibration



000098

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252DEC Site: _____ Location: _____ Group: _____

Instrument ID: VOA1 Calibration Date: 10/13/97 Time: 1440

Lab File ID: V6918.D Init. Calib. Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Init. Calib. Times: 1248 1537

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.372	0.422		-13.4	
Chloromethane	0.392	0.449	0.300	-14.5	
Vinyl Chloride	0.374	0.426		-13.9	25.0
Bromomethane	0.155	0.178		-14.8	
Chloroethane	0.102	0.102		0.0	
Trichlorofluoromethane	0.536	0.565		-5.4	
1,1-Dichloroethene	0.562	0.575		-2.3	25.0
Methylene Chloride	0.624	0.550		11.9	
trans-1,2-Dichloroethene	0.587	0.626		-6.6	
1,1-Dichloroethane	0.982	0.952	0.300	3.1	
2,2-Dichloropropane	0.817	0.837		-2.4	
cis-1,2-dichloroethene	1.130	1.200		-6.1	
Bromochloromethane	0.882	0.904		-2.5	
Chloroform	1.118	1.170		-4.7	25.0
1,1,1-Trichloroethane	0.854	0.914		-7.0	
Carbon Tetrachloride	0.301	0.332		-10.3	
1,1-Dichloropropene	0.667	0.569		14.7	
Benzene	1.060	1.100		-3.8	
1,2-Dichloroethane	0.439	0.458		-4.3	
Trichloroethene	0.398	0.440		-10.6	
1,2-Dichloropropane	0.483	0.505		-4.6	25.0
Dibromomethane	0.376	0.433		-15.2	
Bromodichloromethane	0.519	0.557		-7.3	
cis-1,3-Dichloropropene	0.617	0.644		-4.4	
Toluene	1.240	1.310		-5.6	25.0
trans-1,3-Dichloropropene	0.506	0.534		-5.5	
1,1,2-Trichloroethane	0.394	0.436		-10.7	
Tetrachloroethene	0.455	0.483		-6.2	
1,3-Dichloropropane	0.718	0.724		-0.8	
Dibromochloromethane	0.360	0.372		-3.3	
1,2-Dibromoethane	0.626	0.641		-2.4	
Chlorobenzene	0.918	0.944	0.300	-2.8	
1,1,1,2-Tetrachloroethane	0.421	0.432		-2.6	
Ethylbenzene	1.534	1.539		-0.3	25.0
m&p-xylenes	1.178	1.189		-0.9	
o-xylene	1.238	1.210		2.3	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252DEC Site: _____ Location: _____ Group: _____

Instrument ID: VOA1 Calibration Date: 10/13/97 Time: 1440

Lab File ID: V6918.D Init. Calib. Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Init. Calib. Times: 1248 1537

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	0.292	0.295		-1.0	
Bromoform	0.179	0.192	0.250	-7.3	
isopropylbenzene	2.898	2.908		-0.3	
Bromobenzene	1.872	1.834		2.0	
1,1,2,2-Tetrachloroethane	1.470	1.453	0.300	1.2	
1,2,3-Trichloropropane	1.099	1.021		7.1	
n-Propylbenzene	0.756	0.762		-0.8	
2-Chlorotoluene	0.761	0.795		-4.5	
4-Chlorotoluene	0.772	0.794		-2.8	
1,3,5-Trimethylbenzene	2.091	2.117		-1.2	
tert-Butylbenzene	2.250	2.262		-0.5	
1,2,4-Trimethylbenzene	2.407	2.416		-0.4	
sec-Butylbenzene	3.575	3.593		-0.5	
1,3-Dichlorobenzene	1.611	1.632		-1.3	
4-Isopropyltoluene	2.734	2.700		1.2	
1,4-Dichlorobenzene	1.533	1.526		0.5	
1,2-Dichlorobenzene	1.508	1.534		-1.7	
n-Butylbenzene	2.914	2.904		0.3	
1,2-Dibromo-3-chloropropane	0.340	0.323		5.0	
1,2,4-Trichlorobenzene	1.257	1.195		4.9	
Hexachlorobutadiene	0.727	0.696		4.3	
Naphthalene	2.142	2.154		-0.6	
1,2,3-Trichlorobenzene	1.110	1.083		2.4	
Dibromofluoromethane	0.706	0.748		-5.9	
Toluene-d8	1.104	1.093		1.0	
4-Bromofluorobenzene	0.714	0.759		-6.3	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252DEC Site: _____ Location: _____ Group: _____

Instrument ID: VOA1 Calibration Date: 10/14/97 Time: 1404

Lab File ID: V6936.D Init. Calib. Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Init. Calib. Times: 1248 1537

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.372	0.381		-2.4	
Chloromethane	0.392	0.429	0.300	-9.4	
Vinyl Chloride	0.374	0.414		-10.7	25.0
Bromomethane	0.155	0.153		1.3	
Chloroethane	0.102	0.084		17.6	
Trichlorofluoromethane	0.536	0.515		3.9	
1,1-Dichloroethene	0.562	0.567		-0.9	25.0
Methylene Chloride	0.624	0.723		-15.9	
trans-1,2-Dichloroethene	0.587	0.595		-1.4	
1,1-Dichloroethane	0.982	0.908	0.300	7.5	
2,2-Dichloropropane	0.817	0.809		1.0	
cis-1,2-dichloroethene	1.130	1.146		-1.4	
Bromochloromethane	0.882	0.886		-0.5	
Chloroform	1.118	1.160		-3.8	25.0
1,1,1-Trichloroethane	0.854	0.857		-0.4	
Carbon Tetrachloride	0.301	0.311		-3.3	
1,1-Dichloropropene	0.667	0.570		14.5	
Benzene	1.060	1.135		-7.1	
1,2-Dichloroethane	0.439	0.452		-3.0	
Trichloroethene	0.398	0.448		-12.6	
1,2-Dichloropropane	0.483	0.516		-6.8	25.0
Dibromomethane	0.376	0.447		-18.9	
Bromodichloromethane	0.519	0.558		-7.5	
cis-1,3-Dichloropropene	0.617	0.661		-7.1	
Toluene	1.240	1.324		-6.8	25.0
trans-1,3-Dichloropropene	0.506	0.552		-9.1	
1,1,2-Trichloroethane	0.394	0.449		-14.0	
Tetrachloroethene	0.455	0.498		-9.5	
1,3-Dichloropropane	0.718	0.752		-4.7	
Dibromochloromethane	0.360	0.391		-8.6	
1,2-Dibromoethane	0.626	0.686		-9.6	
Chlorobenzene	0.918	0.992	0.300	-8.1	
1,1,1,2-Tetrachloroethane	0.421	0.442		-5.0	
Ethylbenzene	1.534	1.602		-4.4	25.0
m&p-xylenes	1.178	1.230		-4.4	
o-xylene	1.238	1.274		-2.9	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252DEC Site: Location: Group:

Instrument ID: VOA1 Calibration Date: 10/14/97 Time: 1404

Lab File ID: V6936.D Init. Calib. Date(s): 9/25/97 9/25/97

Heated Purge: (Y/N) N Init. Calib. Times: 1248 1537

GC Column: RTX624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	0.292	0.312		-6.8	
Bromoform	0.179	0.203	0.250	-13.4	
isopropylbenzene	2.898	3.016		-4.1	
Bromobenzene	1.872	1.926		-2.9	
1,1,2,2-Tetrachloroethane	1.470	1.554	0.300	-5.7	
1,2,3-Trichloropropane	1.099	1.095		0.4	
n-Propylbenzene	0.756	0.794		-5.0	
2-Chlorotoluene	0.761	0.795		-4.5	
4-Chlorotoluene	0.772	0.815		-5.6	
1,3,5-Trimethylbenzene	2.091	2.164		-3.5	
tert-Butylbenzene	2.250	2.308		-2.6	
1,2,4-Trimethylbenzene	2.407	2.553		-6.1	
sec-Butylbenzene	3.575	3.671		-2.7	
1,3-Dichlorobenzene	1.611	1.714		-6.4	
4-Isopropyltoluene	2.734	2.814		-2.9	
1,4-Dichlorobenzene	1.533	1.625		-6.0	
1,2-Dichlorobenzene	1.508	1.602		-6.2	
n-Butylbenzene	2.914	2.989		-2.6	
1,2-Dibromo-3-chloropropane	0.340	0.336		1.2	
1,2,4-Trichlorobenzene	1.257	1.256		0.1	
Hexachlorobutadiene	0.727	0.731		-0.6	
Naphthalene	2.142	2.428		-13.4	
1,2,3-Trichlorobenzene	1.110	1.148		-3.4	
Dibromofluoromethane	0.706	0.743		-5.2	
Toluene-d8	1.104	1.104		0.0	
4-Bromofluorobenzene	0.714	0.773		-8.3	

All other compounds must meet a minimum RRF of 0.010.

Evaluate Continuing Calibration Report

Data File : E:\HPCHEM\1\DATA\V6918.D
Acq Time : 13 Oct 97 2:40 pm
Sample : 50PPB VOA W CCC
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1		Pentafluorobenzene	1.000	1.000	0.0	90	0.05
2	T	dichlorodifluoromethane	0.372	0.422	-13.4	101	0.03
3	T	chloromethane	0.392	0.449	-14.5	106	0.03
4	T	vinyl chloride	0.374	0.426	-14.1	102	0.03
5	T	bromomethane	0.155	0.178	-14.8	101	0.03
6	T	chloroethane	0.102	0.102	0.8	98	0.03
7	T	trichlorofluoromethane	0.536	0.565	-5.2	86	0.04
8	T	1,1-dichloroethene	0.562	0.575	-2.2	90	0.03
9	T	methylene chloride	0.624	0.550	11.8	97	0.02
10	T	trans-1,2-dichloroethene	0.587	0.626	-6.6	96	0.03
11	T	1,1-dichloroethane	0.982	0.952	3.0	87	0.03
12	T	2,2-dichloropropane	0.817	0.837	-2.5	94	0.03
13	T	cis-1,2-dichloroethene	1.130	1.200	-6.1	97	0.04
14	T	bromochloromethane	0.882	0.904	-2.5	95	0.04
15	T	chloroform	1.118	1.170	-4.6	97	0.02
16	T	1,1,1-trichloroethane	0.854	0.914	-7.0	97	0.05
17	s	Dibromofluoromethane	0.706	0.748	-5.9	96	0.03
18		1,4-Difluorobenzene	1.000	1.000	0.0	93	0.05
19	T	carbon tetrachloride	0.301	0.332	-10.2	101	0.06
20	T	1,1-dichloropropene	0.667	0.569	14.7	95	0.06
21	T	benzene	1.060	1.100	-3.8	98	0.07
22	T	1,2-dichloroethane	0.439	0.458	-4.4	99	0.03
23	T	trichloroethene	0.398	0.440	-10.6	106	0.07
24	T	1,2-dichloropropane	0.483	0.505	-4.6	99	0.05
25	T	dibromomethane	0.376	0.433	-15.3	113	0.06
26	T	bromodichloromethane	0.519	0.557	-7.3	101	0.06
27	T	cis-1,3-dichloropropene	0.617	0.644	-4.4	99	0.10
28	s	Toluene-d8	1.104	1.093	1.0	93	0.13
29	T	toluene	1.240	1.310	-5.7	101	0.14
30	T	trans-1,3-dichloropropene	0.506	0.534	-5.7	100	0.15
31	T	1,1,2-trichloroethane	0.394	0.436	-10.7	107	0.17
32	s	4-Bromofluorobenzene	0.714	0.759	-6.3	101	0.14
33		Chlorobenzene-d5	1.000	1.000	0.0	99	0.24
34	T	tetrachloroethene	0.455	0.483	-6.1	108	0.21
35	T	1,3-dichloropropane	0.718	0.724	-0.9	104	0.20
36	T	dibromochloromethane	0.360	0.372	-3.5	106	0.22
37	T	1,2-dibromoethane	0.626	0.641	-2.3	106	0.23
38	T	chlorobenzene	0.918	0.944	-2.9	104	0.23
39	T	1,1,1,2-tetrachloroethane	0.421	0.432	-2.8	106	0.21
40	T	ethylbenzene	1.534	1.539	-0.4	100	0.23

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\HPCHEM\1\DATA\V6918.D
Acq Time : 13 Oct 97 2:40 pm
Sample : 50PPB VOA W CCC
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
41	T	m&p-xylenes	1.178	1.189	-0.9	102	0.22
42	T	o-xylene	1.238	1.210	2.3	99	0.18
43	T	styrene	0.292	0.295	-0.8	101	0.18
44	T	bromoform	0.179	0.192	-7.0	112	0.16
45		1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.08
46	T	isopropylbenzene	2.898	2.908	-0.4	98	0.15
47	T	bromobenzene	1.872	1.834	2.0	98	0.13
48	T	1,1,2,2-tetrachloroethane	1.470	1.453	1.1	107	0.09
49		1,2,3-trichloropropane	1.099	1.021	7.0	108	0.10
50	T	n-propylbenzene	0.756	0.762	-0.7	99	0.12
51	T	2-chlorotoluene	0.761	0.795	-4.5	104	0.12
52	T	4-chlorotoluene	0.772	0.794	-3.0	103	0.12
53	T	1,3,5-trimethylbenzene	2.091	2.117	-1.2	99	0.13
54	T	tert-butylbenzene	2.250	2.262	-0.5	99	0.10
55	T	1,2,4-trimethylbenzene	2.407	2.416	-0.4	100	0.10
56	T	sec-butylbenzene	3.575	3.593	-0.5	98	0.09
57	T	1,3-dichlorobenzene	1.611	1.632	-1.3	102	0.08
58	T	4-isopropyltoluene	2.734	2.700	1.3	97	0.09
59	T	1,4-dichlorobenzene	1.533	1.526	0.4	100	0.08
60	T	1,2-dichlorobenzene	1.508	1.534	-1.7	104	0.07
61	T	n-butylbenzene	2.914	2.904	0.3	97	0.07
62	T	1,2-dibromo-3-chloropropane	0.340	0.323	5.1	111	0.04
63	T	1,2,4-trichlorobenzene	1.257	1.195	5.0	105	0.04
64	T	hexachlorobutadiene	0.727	0.696	4.3	99	0.03
65	T	naphthalene	2.142	2.154	-0.6	108	0.03
66	T	1,2,3-trichlorobenzene	1.110	1.083	2.4	107	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6918.D
Acq Time : 13 Oct 97 2:40 pm
Sample : 50PPB VOA W CCC
Misc :
Quant Time: Oct 24 12:43 1997

Operator:
Inst : 5971 - I
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	9.34	168	1827627	50.00	ug/L		0.05
18) 1,4-Difluorobenzene	11.98	114	2900602	50.00	ug/L		0.05
33) Chlorobenzene-d5	20.25	117	3000556	50.00	ug/L		0.24
45) 1,4-dichlorobenzene-d4	26.10	152	1558043	50.00	ug/L		0.08
System Monitoring Compounds							%Recovery
17) Dibromofluoromethane	8.93	113	1366231	52.97	ug/L		105.94
28) Toluene-d8	16.34	98	3168975	49.50	ug/L		99.00
32) 4-Bromofluorobenzene	23.29	95	2200117	53.14	ug/L		106.28%
Target Compounds							Qvalue
2) dichlorodifluoromethane	1.71	85	770786	56.71	ug/L	m	99
3) chloromethane	1.96	50	820015	57.26	ug/L	m	96
4) vinyl chloride	2.04	62	778737	57.03	ug/L	m	98
5) bromomethane	2.41	94	324475	57.42	ug/L		98
6) chloroethane	2.53	64	185842	49.61	ug/L		95
7) trichlorofluoromethane	2.79	101	1031864	52.62	ug/L		98
8) 1,1-dichloroethene	3.51	61	1050482	51.12	ug/L		99
9) methylene chloride	4.40	84	1005269	44.09	ug/L		95
10) trans-1,2-dichloroethene	4.80	61	1144958	53.32	ug/L		98
11) 1,1-dichloroethane	5.77	63	1740419	48.50	ug/L		99
12) 2,2-dichloropropane	7.15	77	1530254	51.23	ug/L		98
13) cis-1,2-dichloroethene	7.31	61	2192561	53.07	ug/L		98
14) bromochloromethane	8.02	49	1652137	51.27	ug/L		94
15) chloroform	8.37	83	2138724	52.32	ug/L		99
16) 1,1,1-trichloroethane	8.65	97	1670378	53.52	ug/L		99
19) carbon tetrachloride	9.08	117	962938	55.11	ug/L		97
20) 1,1-dichloropropene	9.28	75	1650870	42.64	ug/L		99
21) benzene	10.02	78	3191213	51.90	ug/L		100
22) 1,2-dichloroethane	10.54	62	1327685	52.18	ug/L		100
23) trichloroethene	12.60	130	1275857	55.29	ug/L		96
24) 1,2-dichloropropane	13.48	63	1465021	52.28	ug/L		98
25) dibromomethane	13.85	174	1256468	57.67	ug/L		95
26) bromodichloromethane	14.45	83	1614986	53.63	ug/L		99
27) cis-1,3-dichloropropene	15.83	75	1867334	52.21	ug/L		99
29) toluene	16.53	91	3799799	52.83	ug/L		99
30) trans-1,3-dichloropropene	17.54	75	1549493	52.84	ug/L		98
31) 1,1,2-trichloroethane	17.97	97	1265207	55.35	ug/L		99
34) tetrachloroethene	17.92	166	1448120	53.06	ug/L		98
35) 1,3-dichloropropane	18.38	76	2173588	50.45	ug/L		100
36) dibromochloromethane	18.84	129	1117084	51.76	ug/L		99
37) 1,2-dibromoethane	19.06	107	1923363	51.16	ug/L		99
38) chlorobenzene	20.31	112	2833556	51.44	ug/L		100
39) 1,1,1,2-tetrachloroethane	20.62	133	1297576	51.40	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6918.D
Acq Time : 13 Oct 97 2:40 pm
Sample : 50PPB VOA W CCC
Misc :
Quant Time: Oct 24 12:43 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40) ethylbenzene	20.60	91	4618074	50.18	ug/L		99
41) m&p-xylenes	20.94	106	3567771	50.46	ug/L		96
42) o-xylene	21.91	91	3630117	48.85	ug/L		98
43) styrene	22.00	104	884646	50.42	ug/L		97
44) bromoform	22.44	173	575893	53.50	ug/L		99
46) isopropylbenzene	22.85	105	4531401	50.19	ug/L		99
47) bromobenzene	23.54	77	2858153	49.00	ug/L		95
48) 1,1,2,2-tetrachloroethane	23.88	83	2263927	49.43	ug/L		98
49) 1,2,3-trichloropropane	23.91	75	1591339	46.48	ug/L		96
50) n-propylbenzene	23.87	120	1186885	50.36	ug/L		99
51) 2-chlorotoluene	24.06	126	1238998	52.24	ug/L		92
52) 4-chlorotoluene	24.37	126	1237765	51.48	ug/L		90
53) 1,3,5-trimethylbenzene	24.38	105	3297646	50.62	ug/L	m	83
54) tert-butylbenzene	25.10	119	3524790	50.27	ug/L		98
55) 1,2,4-trimethylbenzene	25.26	105	3764502	50.19	ug/L		99
56) sec-butylbenzene	25.64	105	5598456	50.26	ug/L		98
57) 1,3-dichlorobenzene	25.90	146	2542709	50.65	ug/L		99
58) 4-isopropyltoluene	26.05	119	4206221	49.37	ug/L		98
59) 1,4-dichlorobenzene	26.16	146	2378175	49.79	ug/L		97
60) 1,2-dichlorobenzene	27.03	146	2389647	50.84	ug/L		99
61) n-butylbenzene	27.04	91	4524974	49.84	ug/L		97
62) 1,2-dibromo-3-chloropropan	29.02	75	503190	47.45	ug/L		95
63) 1,2,4-trichlorobenzene	30.94	180	1861241	47.52	ug/L		99
64) hexachlorobutadiene	31.30	225	1084400	47.86	ug/L		99
65) naphthalene	31.50	128	3355633	50.28	ug/L		100
66) 1,2,3-trichlorobenzene	32.11	180	1687415	48.78	ug/L		100

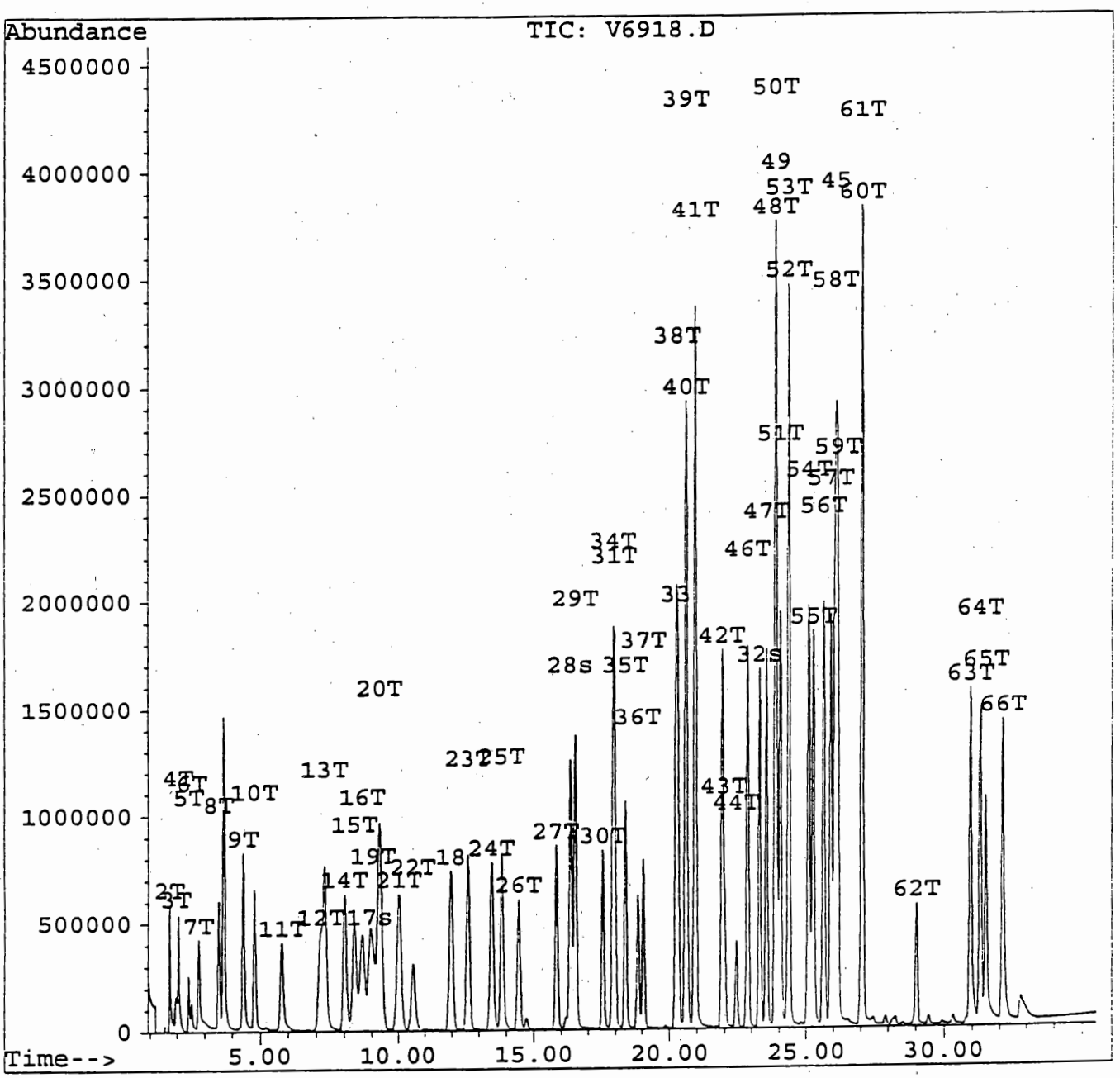
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6918.D
Acq Time : 13 Oct 97 2:40 pm
Sample : 50PPB VOA W CCC
Misc :
Quant Time: Oct 24 12:43 1997

Operator:
Inst : 5971 -
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6936.D
Acq Time : 14 Oct 97 2:04 pm
Sample : 50PPB VOA 8260 W CCC
Misc :
Quant Time: Oct 24 12:48 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.30	168	1824627	50.00	ug/L	0.02
18) 1,4-Difluorobenzene	11.95	114	2783809	50.00	ug/L	0.02
33) Chlorobenzene-d5	20.24	117	2835278	50.00	ug/L	0.24
45) 1,4-dichlorobenzene-d4	26.10	152	1494484	50.00	ug/L	0.08
System Monitoring Compounds						%Recovery
17) Dibromofluoromethane	8.92	113	1355660	52.65	ug/L	105.29%
28) Toluene-d8	16.33	98	3072900	50.01	ug/L	100.03%
32) 4-Bromofluorobenzene	23.29	95	2152330	54.17	ug/L	108.33%
Target Compounds						Qvalue
2) dichlorodifluoromethane	1.71	85	695926	51.28	ug/L m	99
3) chloromethane	1.96	50	783649	54.81	ug/L	98
4) vinyl chloride	2.03	62	755237	55.40	ug/L	99
5) bromomethane	2.40	94	279404	49.53	ug/L	99
6) chloroethane	2.52	64	152504	40.78	ug/L	98
7) trichlorofluoromethane	2.76	101	939074	47.97	ug/L m	98
8) 1,1-dichloroethene	3.49	61	1034927	50.45	ug/L	98
9) methylene chloride	4.38	84	1318706	57.93	ug/L	92
10) trans-1,2-dichloroethene	4.78	61	1085032	50.61	ug/L	96
11) 1,1-dichloroethane	5.74	63	1656627	46.24	ug/L	98
12) 2,2-dichloropropane	7.13	77	1476238	49.50	ug/L	99
13) cis-1,2-dichloroethene	7.27	61	2090507	50.69	ug/L	98
14) bromochloromethane	8.00	49	1616884	50.26	ug/L	91
15) chloroform	8.35	83	2116852	51.87	ug/L	98
16) 1,1,1-trichloroethane	8.63	97	1563979	50.20	ug/L	99
19) carbon tetrachloride	9.04	117	864970	51.58	ug/L	99
20) 1,1-dichloropropene	9.24	75	1586694	42.70	ug/L	97
21) benzene	10.00	78	3160521	53.55	ug/L	99
22) 1,2-dichloroethane	10.53	62	1259110	51.56	ug/L	99
23) trichloroethene	12.58	130	1247821	56.34	ug/L	96
24) 1,2-dichloropropane	13.46	63	1436128	53.40	ug/L	99
25) dibromomethane	13.84	174	1243208	59.45	ug/L	93
26) bromodichloromethane	14.45	83	1552103	53.71	ug/L	98
27) cis-1,3-dichloropropene	15.81	75	1841464	53.64	ug/L	99
29) toluene	16.51	91	3685484	53.39	ug/L	99
30) trans-1,3-dichloropropene	17.53	75	1535451	54.55	ug/L	99
31) 1,1,2-trichloroethane	17.96	97	1249222	56.94	ug/L	99
34) tetrachloroethene	17.92	166	1412012	54.76	ug/L	99
35) 1,3-dichloropropane	18.37	76	2133204	52.40	ug/L	100
36) dibromochloromethane	18.84	129	1109027	54.38	ug/L	99
37) 1,2-dibromoethane	19.04	107	1943967	54.72	ug/L	98
38) chlorobenzene	20.31	112	2813610	54.05	ug/L	100
39) 1,1,1,2-tetrachloroethane	20.62	133	1254390	52.58	ug/L	99

(#) = qualifier out of range (m) = manual integration

000108

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6936.D
Acq Time : 14 Oct 97 2:04 pm
Sample : 50PPB VOA 8260 W CCC
Misc :
Quant Time: Oct 24 12:48 1997

Operator:
Inst : 5971 - I
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40) ethylbenzene	20.60	91	4542301	52.23	ug/L		97
41) m&p-xylenes	20.93	106	3488474	52.21	ug/L		94
42) o-xylene	21.91	91	3612316	51.44	ug/L	m	92
43) styrene	22.00	104	884566	53.35	ug/L		98
44) bromoform	22.43	173	575410	56.57	ug/L		100
46) isopropylbenzene	22.85	105	4507071	52.04	ug/L		98
47) bromobenzene	23.54	77	2878960	51.45	ug/L		95
48) 1,1,2,2-tetrachloroethane	23.88	83	2322256	52.86	ug/L		98
49) 1,2,3-trichloropropane	23.92	75	1637007	49.85	ug/L		95
50) n-propylbenzene	23.87	120	1186465	52.48	ug/L		91
51) 2-chlorotoluene	24.05	126	1188083	52.22	ug/L		92
52) 4-chlorotoluene	24.36	126	1218563	52.83	ug/L		90
53) 1,3,5-trimethylbenzene	24.37	105	3233901	51.75	ug/L		98
54) tert-butylbenzene	25.09	119	3448743	51.28	ug/L		95
55) 1,2,4-trimethylbenzene	25.26	105	3814936	53.03	ug/L		100
56) sec-butylbenzene	25.64	105	5486227	51.35	ug/L		98
57) 1,3-dichlorobenzene	25.90	146	2561023	53.19	ug/L		99
58) 4-isopropyltoluene	26.04	119	4205807	51.47	ug/L		98
59) 1,4-dichlorobenzene	26.15	146	2428918	53.01	ug/L		99
60) 1,2-dichlorobenzene	27.03	146	2393450	53.09	ug/L		99
61) n-butylbenzene	27.04	91	4466411	51.29	ug/L		99
62) 1,2-dibromo-3-chloropropan	29.01	75	501520	49.31	ug/L		94
63) 1,2,4-trichlorobenzene	30.93	180	1877212	49.97	ug/L		98
64) hexachlorobutadiene	31.29	225	1092889	50.29	ug/L		98
65) naphthalene	31.49	128	3628615	56.68	ug/L		99
66) 1,2,3-trichlorobenzene	32.11	180	1715862	51.71	ug/L		99

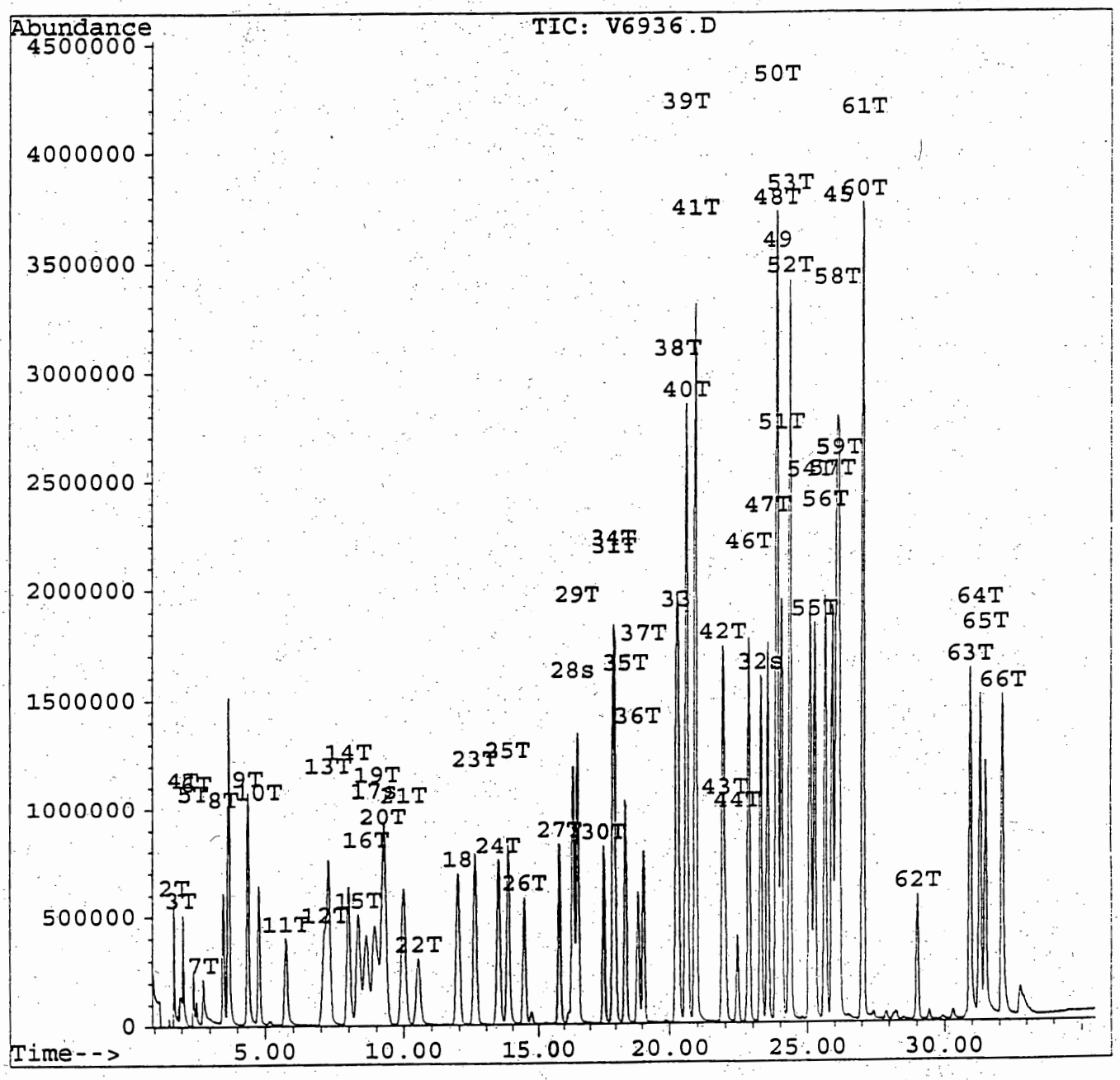
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6936.D
Acq Time : 14 Oct 97 2:04 pm
Sample : 50PPB VOA 8260 W CCC
Misc :
Quant Time: Oct 24 12:48 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



Evaluate Continuing Calibration Report

Data File : E:\HPCHEM\1\DATA\V6936.D
Acq Time : 14 Oct 97 2:04 pm
Sample : 50PPB VOA 8260 W CCC
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1		Pentafluorobenzene	1.000	1.000	0.0	90	0.02
2	T	dichlorodifluoromethane	0.372	0.381	-2.6	92	0.03
3	T	chloromethane	0.392	0.429	-9.6	101	0.03
4	T	vinyl chloride	0.374	0.414	-10.8	99	0.02
5	T	bromomethane	0.155	0.153	0.9	87	0.02
6	T	chloroethane	0.102	0.084	18.4	80	0.02
7	T	trichlorofluoromethane	0.536	0.515	4.1	78	0.01
8	T	1,1-dichloroethene	0.562	0.567	-0.9	89	0.01
9	T	methylene chloride	0.624	0.723	-15.9	127	0.00
10	T	trans-1,2-dichloroethene	0.587	0.595	-1.2	91	0.00
11	T	1,1-dichloroethane	0.982	0.908	7.5	83	0.00
12	T	2,2-dichloropropane	0.817	0.809	1.0	91	0.01
13	T	cis-1,2-dichloroethene	1.130	1.146	-1.4	93	0.00
14	T	bromochloromethane	0.882	0.886	-0.5	93	0.01
15	T	chloroform	1.118	1.160	-3.7	96	0.00
16	T	1,1,1-trichloroethane	0.854	0.857	-0.4	91	0.03
17	s	Dibromofluoromethane	0.706	0.743	-5.3	95	0.02
18		1,4-Difluorobenzene	1.000	1.000	0.0	89	0.02
19	T	carbon tetrachloride	0.301	0.311	-3.2	91	0.02
20	T	1,1-dichloropropene	0.667	0.570	14.6	91	0.02
21	T	benzene	1.060	1.135	-7.1	97	0.05
22	T	1,2-dichloroethane	0.439	0.452	-3.1	94	0.02
23	T	trichloroethene	0.398	0.448	-12.7	104	0.05
24	T	1,2-dichloropropane	0.483	0.516	-6.8	97	0.04
25	T	dibromomethane	0.376	0.447	-18.9	112	0.05
26	T	bromodichloromethane	0.519	0.558	-7.4	97	0.05
27	T	cis-1,3-dichloropropene	0.617	0.661	-7.3	97	0.08
28	s	Toluene-d8	1.104	1.104	-0.0	90	0.12
29	T	toluene	1.240	1.324	-6.8	98	0.12
30	T	trans-1,3-dichloropropene	0.506	0.552	-9.1	99	0.14
31	T	1,1,2-trichloroethane	0.394	0.449	-13.9	106	0.16
32	s	4-Bromofluorobenzene	0.714	0.773	-8.3	98	0.14
33		Chlorobenzene-d5	1.000	1.000	0.0	94	0.24
34	T	tetrachloroethene	0.455	0.498	-9.5	105	0.21
35	T	1,3-dichloropropane	0.718	0.752	-4.8	102	0.20
36	T	dibromochloromethane	0.360	0.391	-8.8	105	0.22
37	T	1,2-dibromoethane	0.626	0.686	-9.4	107	0.22
38	T	chlorobenzene	0.918	0.992	-8.1	103	0.23
39	T	1,1,1,2-tetrachloroethane	0.421	0.442	-5.2	103	0.20
40	T	ethylbenzene	1.534	1.602	-4.5	98	0.23

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\HPCHEM\1\DATA\V6936.D
Acq Time : 14 Oct 97 2:04 pm
Sample : 50PPB VOA 8260 W CCC
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
41	T	m&p-xylenes	1.178	1.230	-4.4	99	0.21
42	T	o-xylene	1.238	1.274	-2.9	98	0.18
43	T	styrene	0.292	0.312	-6.7	101	0.18
44	T	bromoform	0.179	0.203	-13.1	112	0.14
45		1,4-dichlorobenzene-d4	1.000	1.000	0.0	93	0.08
46	T	isopropylbenzene	2.898	3.016	-4.1	98	0.15
47	T	bromobenzene	1.872	1.926	-2.9	99	0.13
48	T	1,1,2,2-tetrachloroethane	1.470	1.554	-5.7	109	0.09
49		1,2,3-trichloropropane	1.099	1.095	0.3	111	0.10
50	T	n-propylbenzene	0.756	0.794	-5.0	99	0.12
51	T	2-chlorotoluene	0.761	0.795	-4.4	100	0.11
52	T	4-chlorotoluene	0.772	0.815	-5.7	101	0.11
53	T	1,3,5-trimethylbenzene	2.091	2.164	-3.5	97	0.12
54	T	tert-butylbenzene	2.250	2.308	-2.6	97	0.09
55	T	1,2,4-trimethylbenzene	2.407	2.553	-6.1	101	0.09
56	T	sec-butylbenzene	3.575	3.671	-2.7	96	0.08
57	T	1,3-dichlorobenzene	1.611	1.714	-6.4	103	0.07
58	T	4-isopropyltoluene	2.734	2.814	-2.9	97	0.08
59	T	1,4-dichlorobenzene	1.533	1.625	-6.0	102	0.07
60	T	1,2-dichlorobenzene	1.508	1.602	-6.2	104	0.06
61	T	n-butylbenzene	2.914	2.989	-2.6	96	0.06
62	T	1,2-dibromo-3-chloropropane	0.340	0.336	1.4	111	0.03
63	T	1,2,4-trichlorobenzene	1.257	1.256	0.1	105	0.02
64	T	hexachlorobutadiene	0.727	0.731	-0.6	100	0.02
65	T	naphthalene	2.142	2.428	-13.4	117	0.03
66	T	1,2,3-trichlorobenzene	1.110	1.148	-3.4	108	0.02

VOLATILES

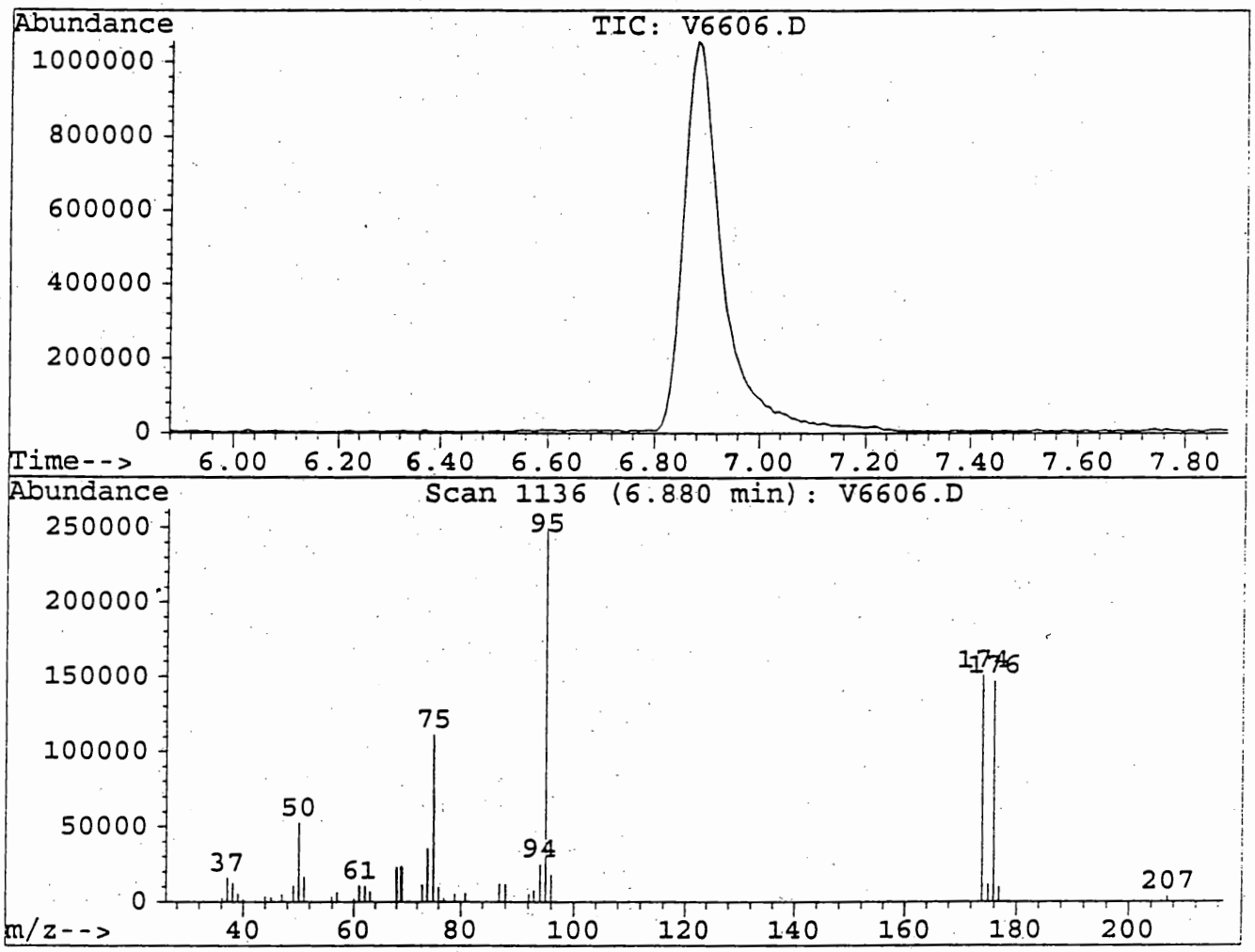
RAW QC DATA

BFB

Data File : E:\HPCHEM\1\DATA\V6606.D
Acq Time : 25 Sep 97 11:33 am
Sample : 50NG BFB TUNE CHECK
Misc : 5ML

Operator: RC
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics



Peak Apex is scan: 1136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	52440	PASS
75	95	30	80	44.6	111504	PASS
95	95	100	100	100.0	250048	PASS
96	95	5	9	7.2	17936	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	60.4	151040	PASS
175	174	5	9	7.9	11866	PASS
176	174	95	101	97.6	147392	PASS
177	176	5	9	6.9	10118	PASS

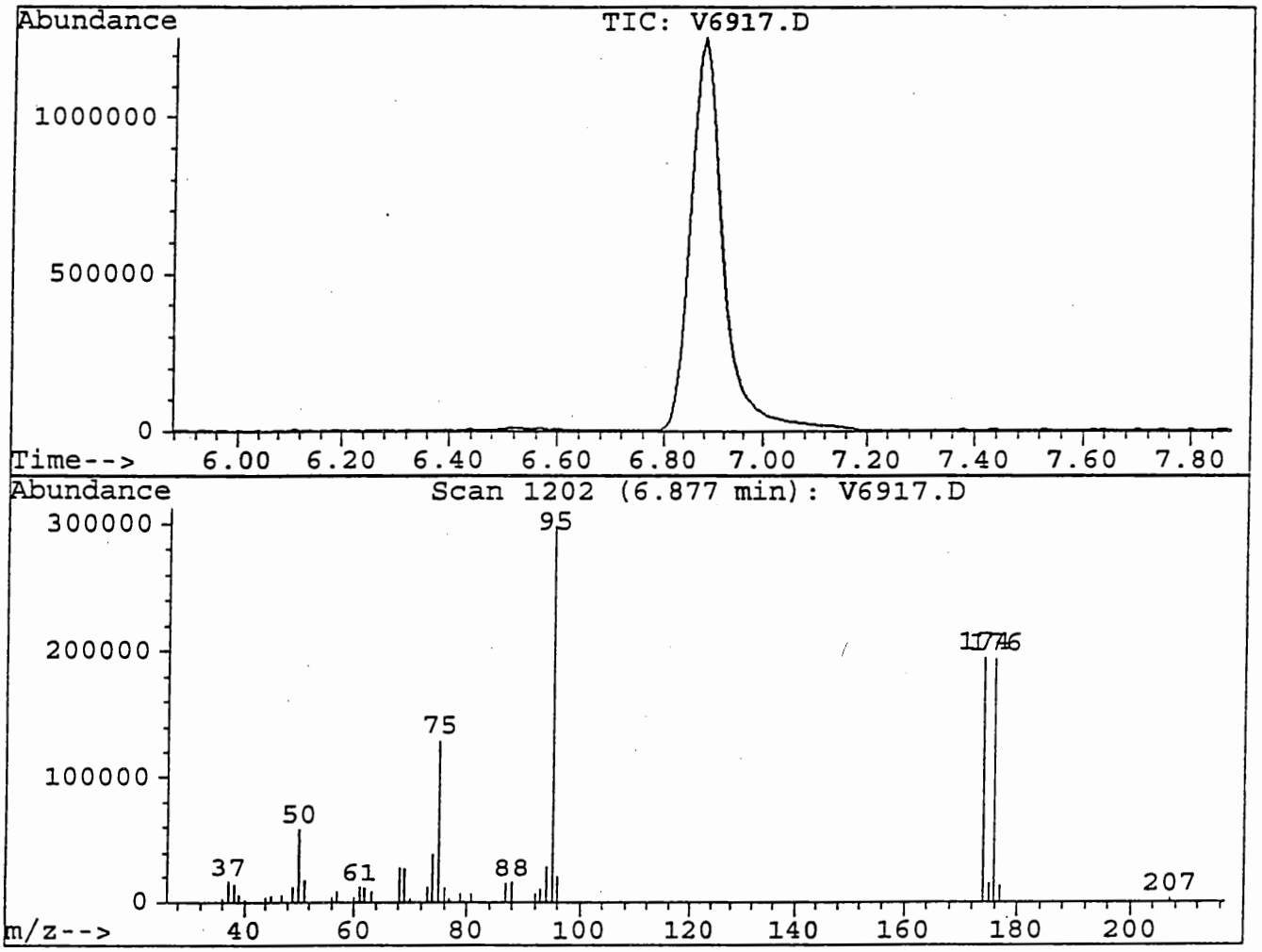
V6606.D 8260RUNW.M Fri Oct 24 13:42:19 1997 5971 INST

BFB

Data File : D:\HPCHEM\1\DATA\V6917.D
Acq Time : 13 Oct 97 2:10 pm
Sample : 50NG BFB TUNE CHECK
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOAW0910.M
Title : VOA Standards for 5 point calibration



Peak Apex is scan: 1202

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	57984	PASS
75	95	30	60	43.2	128736	PASS
95	95	100	100	100.0	298176	PASS
96	95	5	9	6.7	20120	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	65.4	194880	PASS
175	174	5	9	7.5	14694	PASS
176	174	95	101	99.4	193792	PASS
177	176	5	9	6.5	12501	PASS

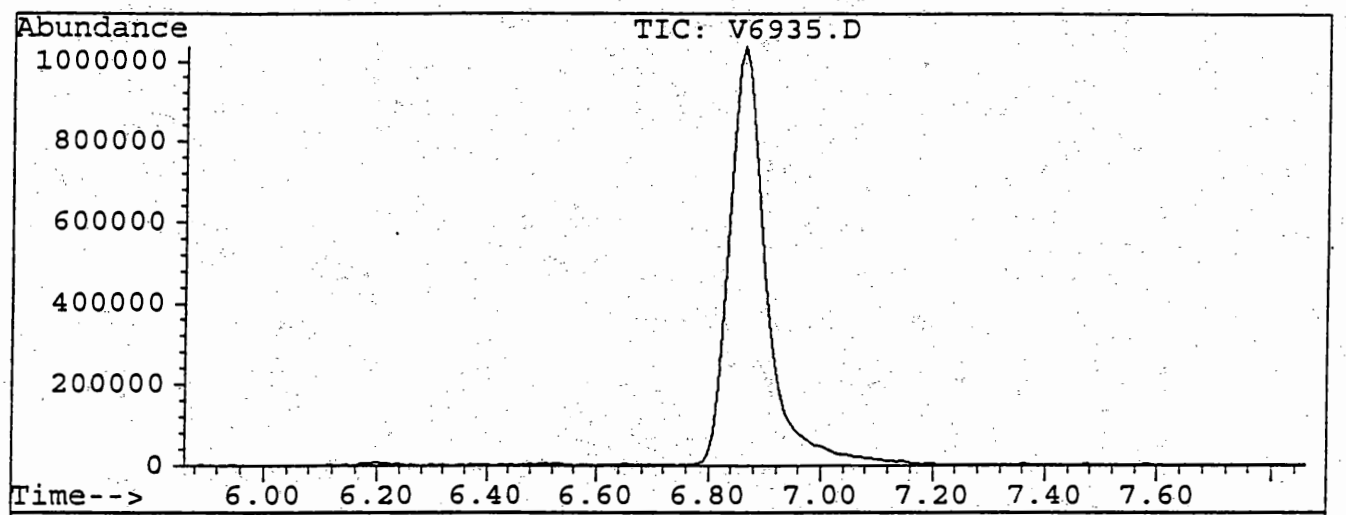
V6917.D VOAW0910.M Thu Oct 23 20:46:24 1997 VOA1

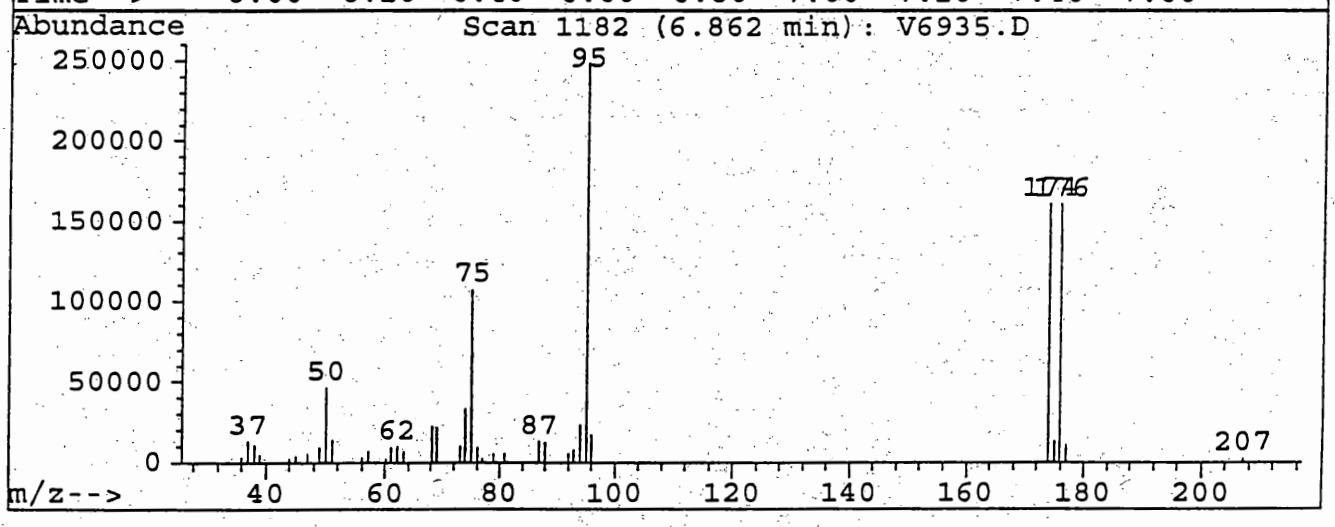
BFB

Data File : D:\HPCHEM\1\DATA\V6935.D
Acq Time : 14 Oct 97 1:33 pm
Sample : 50NG BFB TUNE CHECK
Misc :

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics





Peak Apex is scan: 1182

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	46408	PASS
75	95	30	80	43.2	107352	PASS
95	95	100	100	100.0	248704	PASS
96	95	5	9	6.9	17168	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	64.6	160768	PASS
175	174	5	9	7.9	12709	PASS
176	174	95	101	99.7	160320	PASS
177	176	5	9	6.9	11049	PASS

V6935.D 8260RUNW.M Thu Oct 23 20:48:18 1997 VOA1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6920.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units: (ug/L or ug/Kg) ug/L

CAS No.	Compound		Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	10	
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	5	U
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK01

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6920.D

Level: (low/med) Date Received:

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK01

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6920.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 10/13/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

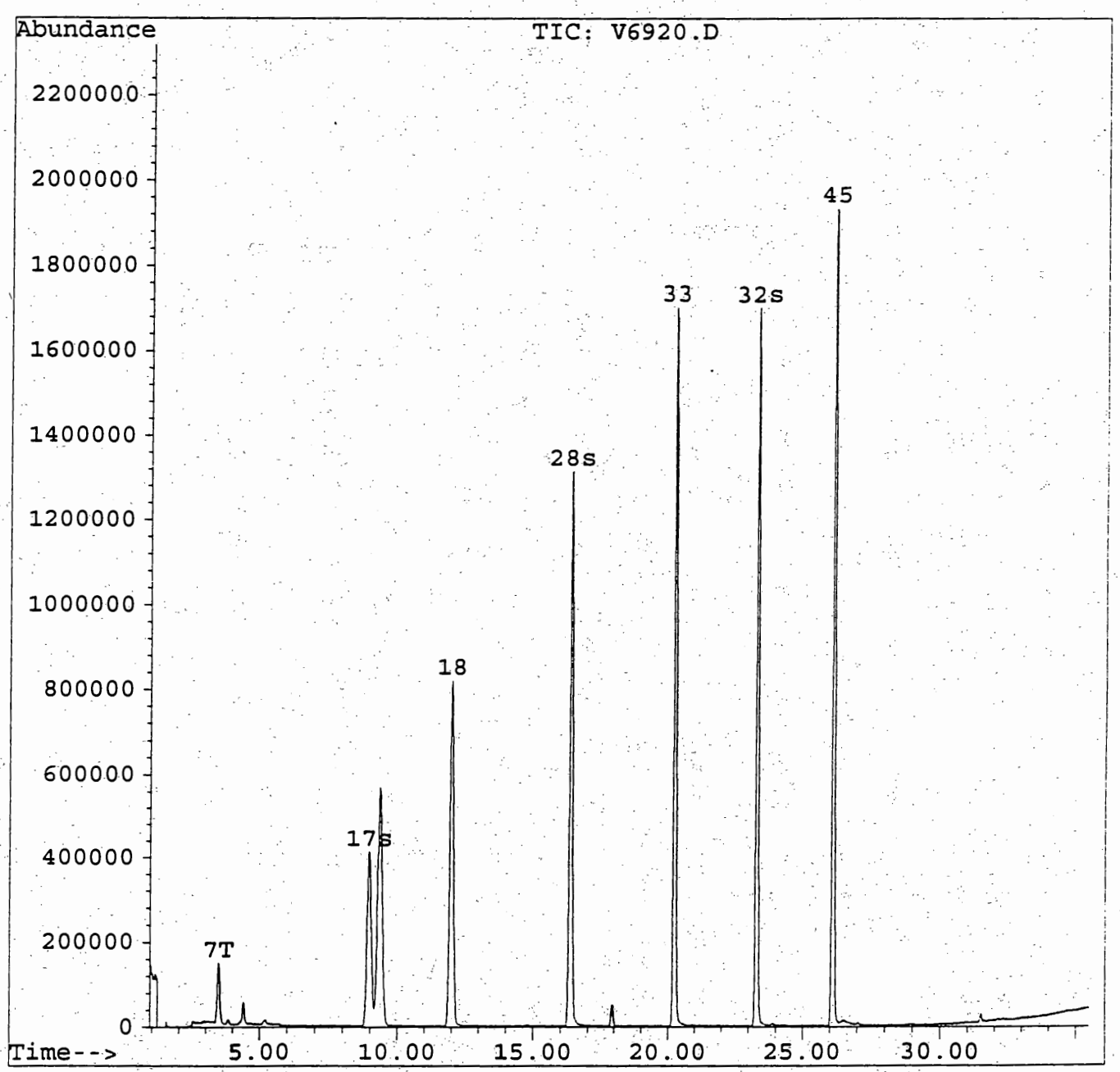
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
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Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6920.D
Acq Time : 13 Oct 97 4:08 pm
Sample : PRO.BLK
Misc : 5ML
Quant Time: Oct 24 12:55 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000120

Quantitation Report

Data File : E:\HPCHEM\1\DATA\V6920.D
Acq Time : 13 Oct 97 4:08 pm
Sample : PRO.BLK
Misc : 5ML
Quant Time: Oct 24 12:55 1997

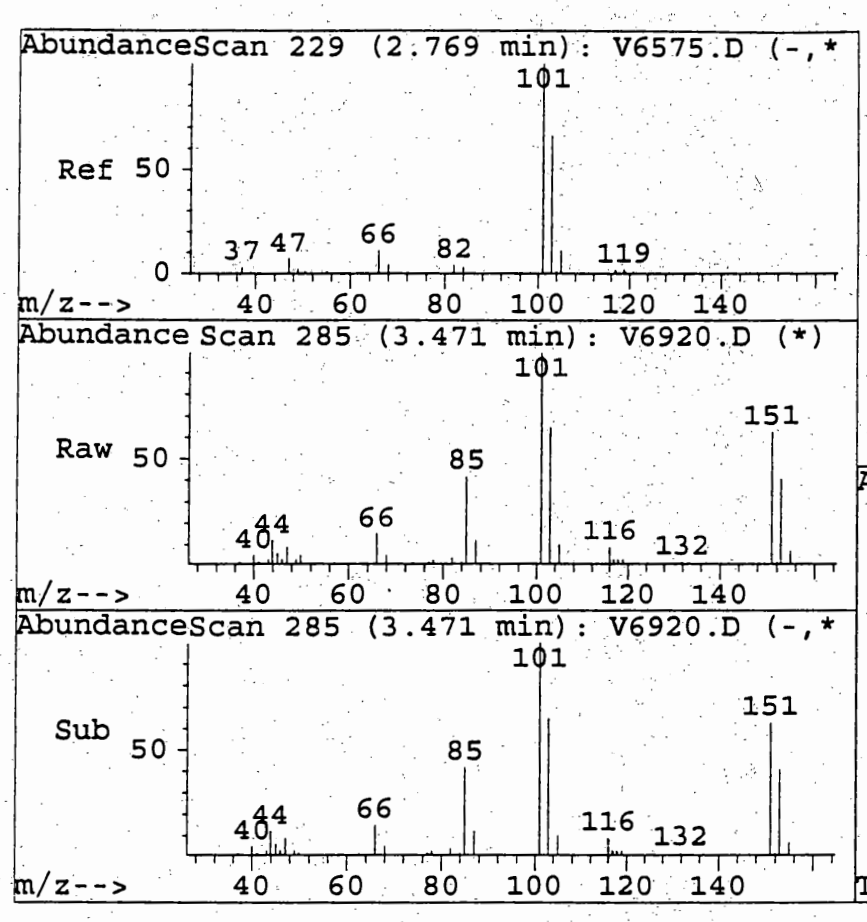
Operator:
Inst : 5971 -
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Mi
1) Pentafluorobenzene	9.35	168	2183836	50.00	ug/L	0.0
18) 1,4-Difluorobenzene	12.00	114	3230341	50.00	ug/L	0.0
33) Chlorobenzene-d5	20.24	117	3283202	50.00	ug/L	0.2
45) 1,4-dichlorobenzene-d4	26.10	152	1770957	50.00	ug/L	0.0
System Monitoring Compounds						%Recover
17) Dibromofluoromethane	8.97	113	1448399	47.00	ug/L	93.9
28) Toluene-d8	16.35	98	3423500	48.02	ug/L	96.03%
32) 4-Bromofluorobenzene	23.29	95	2252130	48.84	ug/L	97.6
Target Compounds						Qvalue
7) trichlorofluoromethane	3.47	101	235976	10.07	ug/L m	100

(#) = qualifier out of range (m) = manual integration

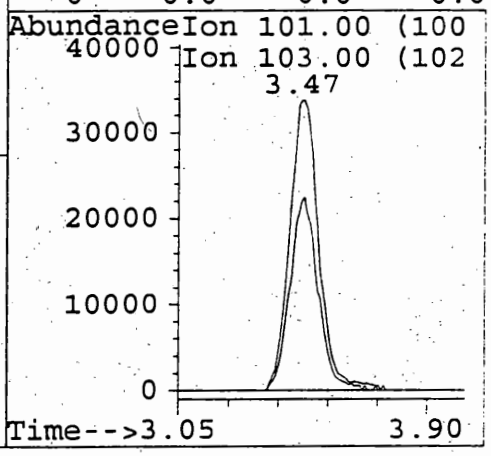
000121



#7
trichlorofluoromethane
Concen: 10.07 ug/L m
RT: 3.47 min Scan# 285
Delta R.T. 0.72 min
Lab File: V6920.D
Acq: 13 Oct 97 4:08 pm

Tgt Ion:101 Resp: 235976

Ion	Ratio	Lower	Upper
101	100		
103	65.0	45.6	84.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6920.D
Acq Time : 13 Oct 97 4:08 pm
Sample : PRO.BLK
Misc : 5ML

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK02

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: Location: Group:

Matrix: (soil/water) WATER Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6938.D

Level: (low/med) Date Received:

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-4	1,1-Dichloroethane	5	U
590-20-7	2,2-Dichloropropane	5	U
156-60-5	cis-1,2-dichloroethene	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
563-58-6	1,1-Dichloropropene	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

VBLK02

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No.: 5252DEC Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6938.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units: (ug/L or ug/Kg) ug/L	Q
100-41-4	Ethylbenzene	5	U
1330-20-7	m&p-xylenes	5	U
95-47-6	o-xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	isopropylbenzene	5	U
108-86-1	Bromobenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
106-43-4	4-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK02

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.

Project No. 5252 Site: _____ Location: _____ Group: _____

Matrix: (soil/water) WATER Lab Sample ID: VBLK02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V6938.D

Level: (low/med) _____ Date Received: _____

% Moisture: not dec. 100 Date Analyzed: 10/14/97

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 Concentration Units: (ug/L or ug/Kg) ug/L

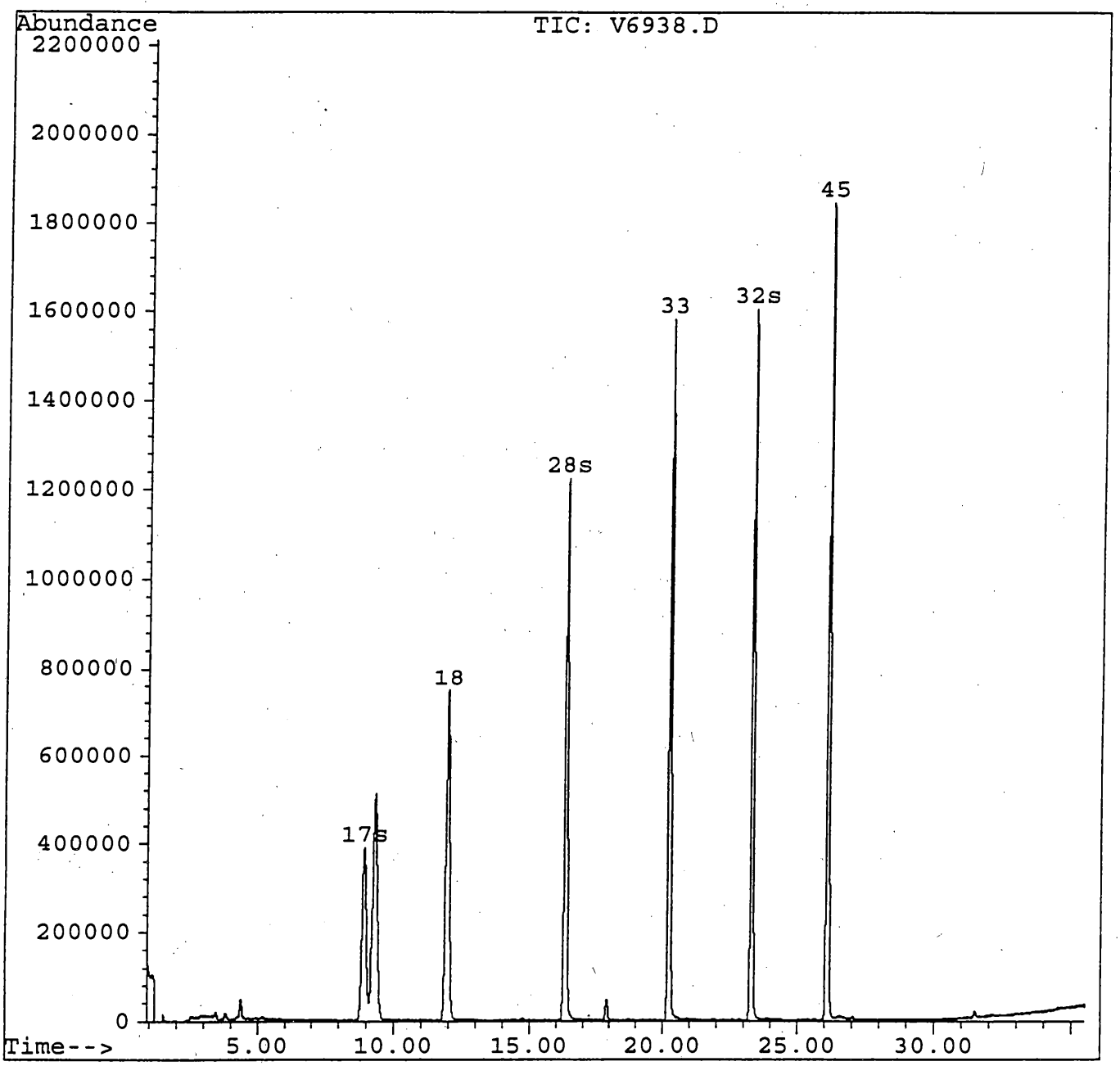
CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
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Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6938.D
Acq Time : 14 Oct 97 3:28 pm
Sample : PRO.BLK
Misc : 5ML
Quant Time: Oct 23 20:52 1997

Operator:
Inst : 5971 -
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration



000127

Quantitation Report

Data File : D:\HPCHEM\1\DATA\V6938.D
Acq Time : 14 Oct 97 3:28 pm
Sample : PRO.BLK
Misc : 5ML
Quant Time: Oct 23 20:52 1997

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Last Update : Thu Sep 25 17:02:16 1997
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.31	168	2047643	50.00	ug/L	0.02
18) 1,4-Difluorobenzene	11.96	114	3000453	50.00	ug/L	0.03
33) Chlorobenzene-d5	20.23	117	3108603	50.00	ug/L	0.22
45) 1,4-dichlorobenzene-d4	26.09	152	1702343	50.00	ug/L	0.07
System Monitoring Compounds						**%Recovery**
17) Dibromofluoromethane	8.93	113	1377111	47.66	ug/L	95.31%
28) Toluene-d8	16.34	98	3240229	48.93	ug/L	97.86%
32) 4-Bromofluorobenzene	23.28	95	2149088	50.18	ug/L	100.36%
Target Compounds						**Qvalue**

(#) = qualifier out of range (m) = manual integration

000128

Library Search Compound Report

Data File : D:\HPCHEM\1\DATA\V6938.D
Acq Time : 14 Oct 97 3:28 pm
Sample : PRO.BLK
Misc : 5ML

Operator:
Inst : 5971 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\8260RUNW.M
Title : 524.2 Purgable Organics
Library : NBS75K.L

No Library Search Compounds Detected

000129

CHEMTECH CONSULTING GROUP

SHIPPING & RECEIVING DOCUMENTS

4081624665

3024N 4081624665



0126-1267-0 9-23-97

Jennifer Morse 914-735-8300 DIVYA MEHTA 201 5676868

LAWLER MATUSKY & SKELLY ENGINE CHEMTECH

53 HUDSON AVE 110 ROUTE 4

NYACK NY 10960 ENGLEWOOD NJ 07631

X 650231

X X

□ 14

B. morocco
9/24/97 1300

REVISION DATE 4/94

160

000131

LAWLER, MATUSKY & SKELLY ENGINEERS LLP Page 1 of 1

CHAIN OF CUSTODY RECORD

Project No. 6502231	*Project:* NCIA Atlas Graphics *Collection Site:* Hydropunch
LMS Facility:	*Field Personnel:* Jennifer Morse

SAMPLE TYPE (Circle):

Drinking Water *Stream/Pond* *Monitoring Wells* *Bottom Sediment* *Industrial Waste* *River/Ocean*
Treatment Facility *Soil* *Coliform (T)* *Coliform (F)* *Other* Groundwater

Chemtech Sample NO.	NYSDEC SAMPLE ID NUMBER	DATE	TIME	SAMPLE SITE	PARAMETERS	SAMPLE PREP: PRESERVATIVE	SAMPLE PREP: FILTER (Y/N)	# OF bottles
28799		9-22-97	0900	TB	VOCs	4°C	N	2
28800	B94865	"	0935	HP-05 (60)	"	"	"	3
28801	B94866	"	1015	HP-05 (70)	"	"	"	3
28802	B94867	"	1105	HP-05 (80)	"	"	"	3

Relinquished By: Jennifer Morse	Date/Time: 9.23.97/1130	No. Bottles: 11	Received By:
Relinquished By:		Date/Time:	Received By:
Messenger:	Shipped To:	Received at Lab By: B. Morowitz	Date/Time: 1320 9/24/97

Remarks: Chemtech Project # 5252DEC

One Blue Hill Plaza, Pearl River, New York
(914) 735-8300
Sample Drop Off: 53 Hudson Avenue, Nyack, New York 10960

000132

SAMPLE LOG-IN SHEET

Lab Name: CHEMTECH Page 1 of ____

Received By (Print Name): BABAK MOBQUATI Log-in Date: 9/24/97

Received By (Signature): B. Mobquati

Case Number: RA097 AN 10/24/97

Sample Delivery Group No.: ~~0426~~ 0122

SAS Number: —

REMARKS:

1. Custody Seal(s) Present/Absent* Intact/Broken
2. Custody Seal Nos.: ____
3. Chain-of-Custody Records Present/Absent*
4. Traffic Reports or Packing List Present/Absent*
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: 408 162 4665
7. Sample Tags Present/Absent*
   Sample Tag Numbers Listed/Not Listed on Chain-of-Custody
8. Sample Condition: Intact/Broken*/Leaking
9. Does information on custody records, traffic reports, and sample tags agree? Yes/No*
10. Date Received at Lab: 9/24/97
11. Time Received: 1300

Sample Transfer

Fraction: ____ ____

Area #: ____ ____

By: ____ ____

On: ____ ____

EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
B94865	N/A	28800	Intact
B94866	↓	28801	↓
B94867		28802	
TB		28799	

* Contact SMO and attach record of resolution

Reviewed By: ____ Logbook No.: ____

Date: ____ Logbook Page No.: ____

FORM DC-1

000133

SAMPLE DELIVERY GROUP (SDG)
TRAFFIC REPORT (TR) COVER SHEET

Lab Name: Chemtech Contract No.: ~~68-D5-0166~~ AV 10/24/97

Lab Code: Chem Case No.: RA097 SAS No.: _____

Full Sample Analysis Price in Contract: $ _____

SDG No./First Sample in SDG: 0122 Sample Receipt Date: 9/24/97
(Lowest EPA Sample Number in first shipment of samples received under SDG.) (MM/DD/YY)

Last Sample in SDG: _____ Sample Receipt Date: 9/24/97
(Highest EPA Sample Number in last shipment of samples received under SDG.) (MM/DD/YY)

EPA Sample Numbers in the SDG (listed in alphanumeric order)

1	B94865	11	
2	B94866	12	
3	B94867	13	
4	TB	14	
5		15	
6		16	
7		17	
8		18	
9		19	
10		20	

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order (i.e., the order listed on this form).

Signature

10/24/97
Date

H2M LABS, INC.

An Employee-Owned Company

575 Broad Hollow Road, Melville, NY 11747-5076
(516) 694-3040 • FAX: 516-420-8436

March 5, 1997

Mr. Joseph Jones
NYSDEC Region 0
50 Wolf Road
Albany, NY 12233-7010

Re: Contract: C003180
Case No.: RA096
SDG No.: 0122

Dear Mr. Jones,

Enclosed please find copies of the analytical data and summary packages for the water and soil samples received at our laboratory on January 23, 1997. The samples were analyzed volatile organics and metals, in accordance with the NYSDEC ASP protocol (9/93 revision).

The original copy of the report has been forwarded to Mr. Jack Ryan of the Albany Office.

Please contact me, at anytime, if you have any questions.

Very truly yours,

Lynn T. Daniello
Project Coordinator

Enclosures

c:\windoc\declet97.doc

MEMBER ACI

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME HZM LABS INC CITY/STATE MELVILLE NY
CASE NO. RA096 SDG NO. A122 SDG NOS. TO FOLLOW ____ SAS NO. ____
CONTRACT NO. C003180 ASP DATE 9/93 Rev

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II AND III.)

		PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
1.	Inventory Sheet (Form DC-2) (Do not number)			✓	
2.	SDG Case Narrative	A0008	A0011	✓	
3.	Contract Lab Sample Information Sheet (CLSIS)	A0013	A0030	✓	
4.	Volatiles Data				
a.	QC Summary				
	Surrogate Percent Recovery Summary (Form II-CLP-VOA)	V0003	V0004	✓	
	Lab Control Sample Recovery (Form III-CLP-VOA	N/A			
	Method Blank Summary (Form IV-CLP-VOA)	V0005	V0009	✓	
	GC/MS Instrument Performance Check (Form V-CLP-VOA)	V0010	V0016	✓	
	Internal Standard Area and RT Summary (Form VIII-CLP-VOA)	V0017	V0021	✓	
	IDL STUDY	V0022	—	✓	
b.	Sample Data				
	TCL Results (Form I-CLP-VOA)	V0024	V0170	✓	
	Tentatively Identified Compounds (Form I-CLP-VOA-TIC)			✓	
	Reconstructed total ion chromatograms (RIC) for each sample			✓	
	For each sample:				
	Raw spectra and background-subtracted mass spectra of target compounds identified			✓	
	Quantitation reports			✓	
	Mass spectra of all reported TICs with three best library matches			✓	
c.	Standards Data (All Instruments)				
	Initial Calibration Data (Form VI-CLP-VOA)	V0172,	V0195	✓	
	RICs and Quant Reports for all Standards	V0173	V0203	✓	
	Continuing Calibration (Form VII-CLP-VOA) V0212, V0216	V0204,	V0215	✓	
	RICs and Quant Reports for all Standards V0220,	V0205	V0223	✓	
d	Raw QC Data	V0225			
	BFB		V0230	✓	
	Blank Data	V0231	V0261	✓	
	Matrix Spike Blank Data	N/A			
	Matrix Spike Data	N/A			
	Matrix Spike Duplicate Data	N/A			
	COPY OF CALCULATIONS	V0262	—	✓	
5.	Semivolatiles Data				
a	QC Summary	B0003	—		
	Surrogate Percent Recovery Summary (Form II-CLP-SV)	B0003	—	✓	
	MS/MSD Summary (Form III-CLP-SV)	B0004	B0005	✓	
	Method Blank Summary (Form IV-CLP-SV)	B0006	—	✓	
	GC/MS Instrument Performance Check (Form V-CLP-SV)	B0007	B0008	✓	
	Internal Standard Area and RT Summary (Form VIIIB-CLP-SV and Form VIIIC-CLP-SV)	B0009	B0010	✓	
	IDL STUDY	B0011	B0012	✓	

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. RP016 SDG NO. 0122 SDG NOS. TO FOLLOW _____ SAS NO. _____

	PAGE NOS. FROM	TO	CHECK LAB	NYSDEC
5. Semivolatiles Data (cont.)				
b. Sample Data				
TCL Results (Form I-CLP-SV)	B0041	B0035	✓	—
Tentatively Identified Compounds (Form I-CLP-SV-TIC)			✓	—
Reconstructed total ion chromatograms (RIC) for each sample			✓	—
For each sample:				
Raw spectra and background-subtracted mass spectra of target compounds identified			✓	—
Quantitation reports			✓	—
Mass spectra of all reported TICs with three best library matches			✓	—
GPC chromatograms (if GPC performed)	N/A		—	—
c. Standards Data (All Instruments)				
Initial Calibration Data (Form VI-CLP-SV)	B0037	B0038	✓	—
RICs and Quant Reports for all Standards	B0031	B0033	✓	—
Continuing Calibration (Form VII-CLP-SV)	B0054	B0055	✓	—
RICs and Quant Reports for all Standards	B0056	B0050	✓	—
d. QC Data				
DFTPP	B0060	B0061	✓	—
Blank Data	B0062	B0064	✓	—
Matrix Spike Blank Data	B0075	B0077	✓	—
Matrix Spike Data	N/A		—	—
Matrix Spike Duplicate Data	N/A		—	—
COMPOSITION EXAMPLE	B0081	—	✓	—
6. Pesticides				
a. QC Summary	—	—	—	—
Surrogate Percent Recovery Summary (Form II-CLP-PEST)	—	—	—	—
MS/MSD Summary (Form III-CLP-PEST)	—	—	—	—
Method Blank Summary (Form IV-CLP-PEST)	—	—	—	—
B. Sample Data				
TCL Results (Form I-CLP-PEST)	—	—	—	—
Chromatograms (Primary Column)			—	—
Chromatograms from second GC column confirmation			—	—
GC Integration report or data system printout and calibration plots			—	—
Manual work sheets			—	—
UV traces from GPC (if available)			—	—
For pesticides/Aroclors confirmed by GC/MS, copies of raw spectra and copies of background-subtracted mass spectra of target compounds (samples & standards)			—	—

FORM DC-2-ORG-2

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. 28016 SDG NO. 0122 SDG NOS. TO FOLLOW _____ SAS NO. _____

	PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
6. Pesticides Data (cont.)				
c. Standards Data				
Initial Calibration of Single Component Analytes (Form VI-CLP-PEST-1 and PEST-2)				
Initial Calibration of Multicomponent Analytes (Form VI-CLP-PEST-3)				
Analyte Resolution Summary (Form VI-CLP-PEST-4)				
Performance Evaluation Mixture (Form VI-CLP-PEST-5)				
Individual Standard Mixture A (Form VI-CLP-PEST-6)				
Individual Standard Mixture B (Form VI-CLP-PEST-7)				
Calibration Verification Summary (Form VII-CLP-PEST-1)				
Calibration Verification Summary (Form VII-CLP-PEST-2)				
Analytical Sequence (Form VIII-CLP-PEST)				
Florisil Cartridge Check (Form IX-CLP-PEST-1)				
Pesticide GPC Calibration (Form IX-CLP-PEST-2)				
Pesticides Identification Summary for Single Component Analytes (Form X-CLP-PEST-1)				
Pesticides Identification Summary for Single Multicomponent Analytes (Form X-CLP-PEST-2)				
Chromatograms and data system printouts				
A printout of retention times and corresponding peak areas or peak heights				
d. Raw QC Data				
Blank Data				
Matrix Spike Blank Data				
Matrix Spike Data				
Matrix Spike Duplicate Data				
Raw GPC Data				
Raw Florisil Data				
7 Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	VOA VC1L4	VC17C BCC15	✓ ✓	
Internal sample and sample extract transfer chain-of-custody records				
Screening records				
All instrument output, including strip charts from screening activities (describe or list)				
_____				
_____				

FORM DC-2-ORG-3

ORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET (Cont.)

CASE NO. CP096 SDG NO. C137 SDG NOS. TO FOLLOW ____ ____ ____ SAS NO. ____

	PAGE NOS. FROM	TO	CHECK LAB	NYSDEC
8. NYSDEC Shipping/Receiving Documents				
Airbills (No. of shipments 1) HAND DELIVERED	N/A			
Chain-of-Custody Records	A0232	A0241	✓	
Sample Tags	N/A			
Sample Log-In Sheet (Lab & DC-1)	M0318	✓	✓	
SDG Cover Sheet	M0319	—	✓	
Miscellaneous Shipping/Receiving Records (describe or list)				
ORIG EXT'L COC + CLSIS	M0226	M0316	✓	
9. Internal Lab Sample Transfer Records and Tracking Sheets (describe or list)				
ORIG INT'L COC	M0315	M0318	✓	
10. Other Records (describe or list)				
Telephone Communication Log				
NYSDEC Summary Pages	A0223	A0226	✓	
Sample Data Summary Pkg (SDSP)	SDG1	SDG17	✓	

11. Comments: PAGES NOT LISTED ARE DIVIDERS. PACKAGE IS PAGINATED AS FOLLOWS: INTRO A, VOA = V, BNA = B, METALS = CSF = MISC. = S

Completed by: [signature] Lynn Daniels / Project Coordinator 3/5/97
(CLP Lab) (Signature) (Printed Name/Title) (Date)

Verified by: [signature] Teresa Diliberti / QC Supv 3/5/97
(CLP Lab) (Signature) (Printed Name/Title) (Date)

Audited by: _____ _____ _____
(NYSDEC) (Signature) (Printed Name/Title) (Date)

INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME H2M LABS INC CITY/STATE MELVILLE, NY
CASE NO. R8096 SDG NO. 0172 SDG NOS. TO FOLLOW ____ SAS NO. ____
CONTRACT NO. C003180 ASP DATE 9/93 REV.

All documents delivered in the complete SDG file must be original documents where possible. (REFERENCE EXHIBIT B, SECTION II AND III.)

		PAGE NOS. FROM	PAGE NOS. TO	CHECK LAB	CHECK NYSDEC
1.	Inventory Sheet (Form DC-2) (Do not number)			✓	
2.	Cover Page	M0002	—	✓	
3.	Inorganic Analysis Data Sheet (FORM I - IN)	M0004	M0011	✓	
4.	Initial & Continuing Calibration Verification (FORM IIA - IN)	M0013	M0020	✓	
5.	CRDL Standards For AA and ICP (FORM IIB - IN)	M0021	M0022	✓	
6.	Blanks (FORM III - IN)	M0023	M0025	✓	
7.	ICP Interference Check Sample (FORM IV - IN)	M0026	M0028	✓	
8.	Spike Sample Recovery (FORM VA - IN)	M0029	M0031	✓	
9.	Post Digest Spike Sample Recovery (FORM VB - IN)	M0031A	M0033	✓	
10.	Duplicates (FORM VI - IN)	M0034	M0036	✓	
11.	Laboratory Control Sample (FORM VII - IN)	M0037	—	✓	
12.	Standard Addition Results (FORM VIII - IN)	M0038	—	✓	
13.	ICP Serial Dilutions (FORM IX - IN)	M0039	M0041	✓	
14.	Instrument Detection Limits (FORM X - IN)	M0042	M0044	✓	
15.	ICP Interelement Correction Factors (FORM XIA - IN)	M0045	M0046	✓	
16.	ICP Interference Correction Factors (FORM XIB - IN)	M0047	—	✓	
17.	ICP Linear Ranges (FORM XII - IN)	M0048	M0049	✓	
18.	Preparation Log (FORM XIII - IN)	M0050	M0051	✓	
19.	Analysis Run Log (FORM XIV - IN)	M0052	M0059	✓	
20.	ICP Raw Data	M0060	M0273	✓	
21	Furnace AA Raw Data	4/7/94	N/A		
22	Mercury Raw Data	M0274	M0285	✓	

FORM DC-2-IN-1

Analytical Data Package For

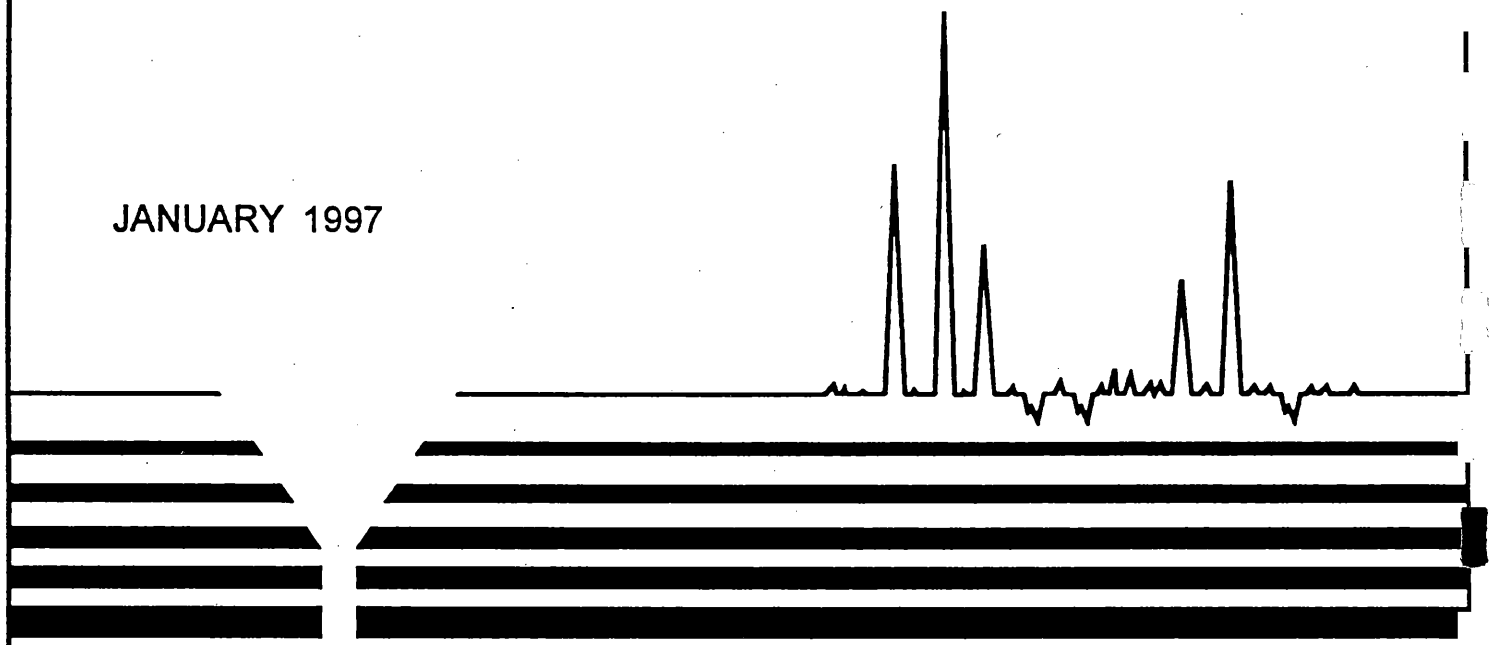
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REGION 0
CONTRACT #: C003180
CASE #: RA096 SDG #: 0122

Water and Soil Samples
RECEIVED: January 23, 1997

SAMPLE DATA SUMMARY PACKAGE

JANUARY 1997



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 0
SAMPLES RECEIVED: 1/23/97
CONTRACT NO.: C003180
CASE NO.: RA096
SDG NO.: 0122

1. **NYS DEC SUMMARY FORMS**

2. **CHAIN OF CUSTODY DOCUMENTATION**

3. **SDG NARRATIVES**

4. **SAMPLE REPORTS**
   - 4.1 VOLATILES
   - 4.2 SEMIVOLATILES
   - 4.3 METALS

5. **SURROGATE SPIKE ANALYSIS RESULTS**
   - 5.1 VOLATILES
   - 5.2 SEMIVOLATILES

6. **MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY**
   - 6.1 SEMIVOLATILES

7. **DUPLICATE SUMMARY RESULTS**
   - 7.1 METALS

8. **SPIKE SAMPLE RESULTS**
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9. **BLANK SUMMARY DATA AND RESULTS**
   - 9.1 VOLATILES
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10. **INTERNAL STANDARD AREA DATA**
    - 10.1 VOLATILES
    - 10.2 SEMIVOLATILES

H2M LABS, INC.

1. NYS DEC SUMMARY FORMS

H2M LABS, INC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY
SAMPLES RECEIVED 1/23/97
CONTRACT: C003180
CASE NO.: RA096
SDG NO.: 0122

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS	*BNA GC/MS	*VOA GC	*PEST/ PCB	*METALS	OTHER
B60211	9702025	X					
B60212	9702026	X					
B60213	9702027	X					
B60214	9702028		X				
B60215	9702029	X					
B60216	9702030	X					
B60217	9702031	X					
B60218	9702032	X					
B60219	9702033					X	
B60220	9702037	X					
B60221	9702038	X					
B60222	9702039	X					
B60223	9702040					X	
B60223A	9702041					X	
B60224	9702042					X	
B60224A	9702043					X	
B60225	9702044					X	
B60225A	9702045					X	

* Check Appropriate Boxes

*CLP, Non-CLP (Please indicate year of protocol) 3/13 Rev.
*TCL/TAL, HSL, Priority Pollutant

S 0003

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOA ANALYSES

Laboratory sample ID	Matrix	Date Collected	Date rec'd At Lab	LEVEL	Date Analyzed
B60211	SOIL	1/22/97	1/23/97	low	1/24/97
B60211DL	SOIL	1/22/97	1/23/97	low	1/27/97
B60212	SOIL	1/22/97	1/23/97	low	1/24/97
B60213	SOIL	1/22/97	1/23/97	low	1/24/97
B60215	SOIL	1/22/97	1/23/97	low	1/24/97
B60215DL	SOIL	1/22/97	1/23/97	low	1/27/97
B60216	SOIL	1/22/97	1/23/97	low	1/24/97
B60217	SOIL	1/22/97	1/23/97	low	1/24/97
B60218	SOIL	1/22/97	1/23/97	low	1/27/97
TRIP BLANK	water	1/22/97	1/23/97	low	1/30/97
B60220	water	1/22/97	1/23/97	low	1/29/97
B60220DL	water	1/22/97	1/23/97	low	1/30/97
B60221	water	1/22/97	1/23/97	low	1/29/97
B60221DL	water	1/22/97	1/23/97	low	1/29/97
B60222	water	1/22/97	1/23/97	low	1/28/97
B60222DL	water	1/22/97	1/23/97	low	1/28/97

SEMIVOLATILE SAMPLE PREPARATION AND ANALYSIS SUMMARY

SDG No.: NDECB-0122

SAMPLE ID	MATRIX	PROT-OCOL	EXTR. METHOD	AUX. CLEAN	LEVEL	DIL. FACT.	DATE COLL.	DATE RCVD.	DATE EXTD.	DATE ANAL.
B60214	SOIL	CLP	SONC	GPC	LOW	1	1/22/97	1/23/97	1/24/97	2/18/97

H2M LABS, INC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES
SAMPLES RECEIVED 1/23/97
CONTRACT: C003180
CASE NO.: RA096
SDG NO.: 0122

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE * ANALYZED
B60219 MS/MSD	SOIL	TCL METALS	1/23/97	1/97-2/97
B60223	WATER	"	"	"
B60223A	"	DISSOLVED TCL METALS	"	"
B60224	"	TCL METALS	"	"
B60224A	"	DISSOLVED TCL METALS	"	"
B60225 MS/MSD	"	TCL METALS	"	"
B60225A MS/MSD	"	DISSOLVED TCL METALS	"	"

* SEE INDIVIDUAL RUN SHEETS FOR EXACT DATES.

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 694-3040
FAX: 516-694-4122

No 6403

EXTERNAL CHAIN OF CUSTODY

0122

PROJ. NO.	PROJECT NAME
RA096	Atlas Graphics

SAMPLERS: (Signature)/Client
J. G. Jones (NYSDEC)

DELIVERABLES:
~~ASP~~

Refrigerator #

SAMPLE CONTAINER DESCRIPTION →

TOTAL NO. OF CONTAINERS ↓

2 x 2 oz Jar | 4 x 2 oz Jar | 2 x 2 oz Jar

ANALYSIS REQUESTED

ORGANIC: VOA | BNA | Pest/PCB
INORG.: Metal | CN

NOTES:
Soil

COPY ORIGINAL LOCATED
[illegible] BINDER: H2M LABS C122
INIT: xm DATE: 2/2/17

DATE	TIME	MATRIX	FIELD I.D.	LAB I.D. No.	REMARKS
1/22/97	9:00	soil	BG-211 5-7'	9702025	
1/22/97	9:05	soil	BG-212 10-12'		
1/22/97	9:15	soil	BG-213 15-17'		
1/22/97	9:20	soil	BG-214 17-19'	028	
1/22/97	9:35	soil	BG-215 20-22'		
1/22/97	9:50	soil	BG-216 25-27'		
1/22/97	10:05	soil	BG-217 30-32'		
1/22/97	11:00	soil	BG-218 35-37'		
1/22/97	11:10	soil	BG-219 35-37'	MS/MSD 033	

Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Jerry G. Jones	1/23/97	10:25			
Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Relinquished by: (Signature)	Date	time	Received for Laboratory by: (Signature)	Date	time
				1/23/97	10:25

PROJECT CONTACT:

PHONE NUMBER:

Discrepancies Between Sample Labels and COC Record? Y or N
NOTES:

LABORATORY USE ONLY

Samples were:
1) Shipped ___ or Hand Delivered ✓
Airbill # _____
2) Ambient or Chilled 4.6
3) Recieved in Good Condition Y or N
4) Properly Preserved Y or N
5) Samples returned to lab. ___ hours from Collection

COC Tape was:
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) COC Record Present and Complete Upon Sample Rec't. Y or N

S 8000

ORIGINAL COPY

H2M LABS, INC.

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 694-3040
FAX: 516-694-4122

No 5560

EXTERNAL CHAIN OF CUSTODY

0122

PROJ. NO. | PROJECT NAME

SAMPLERS: (Signature)/Client

DELIVERABLES: AS-70

Refrigerator #

SAMPLE CONTAINER DESCRIPTION →

TOTAL NO. OF CONTAINERS ↓

NOTES: Matrix - GW

COPY ORIGINAL LOCATED
INIT [illegible] DATE 3/6/11

DATE	TIME	MATRIX	FIELD I.D.	TOTAL NO. OF CONTAINERS	40 ml Vials: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	1 L PLASTIC: INORG. Metal	INORG. CN	LAB I.D. No.	REMARKS
1/22/97	14:45	W/hw	B60220 (78-80)	2	2					9702037	
1/22/97	15:15	W/hw	B60221 (66-70)	2	2					↓039	
	15:30	W/hw	B60222 (56-60)	2	2						
	15:50		B60225 (58-60)	3	3			3		9702044	MS/MSD INCLUDED UNF
	15:50		B60225A (58-60)	3	3			3		↓045	MS/MSD INCLUDED FILT
	15:15		B60224 (66-70)	1	1			1		9702042	UNFILTERED
	15:15		B60224A (66-70)	1	1			1		↓043	FILTERED
	14:45		B60223 (58-60)	1	1			1		9702040	UNFILTERED
	14:45	↓	B60223A (58-60)	1	1			1		↓041	FILTERED
↓			Trip Blank	2	2					9702046	TRIP BLANK

ANALYSIS REQUESTED

Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Barbara Wilson	1/15/97	16:30	John G. Jones	1/23/97	10:25
J. G. Jones	1/23/97	10:25			
			Received for Laboratory by: (Signature)	1/23/97	10:25

PROJECT CONTACT:

PHONE NUMBER:

Discrepancies Between Sample Labels and COC Record? Y or (N)
NOTES:

LABORATORY USE ONLY

Samples were:
1) Shipped ___ or Hand Delivered ✓
Airbill # ___
2) Ambient or Chilled <6
3) Recieved in Good Condition Y or N
4) Properly Preserved Y or N
5) Samples returned to lab. ___ hours from Collection

COC Tape was:
1) Present on Outer Package Y or (N)
2) Unbroken on Outer Package Y or (N)
3) COC Record Present and Complete Upon Sample Rec't Y or N

6000

ORIGINAL COPY

H2M LABS, INC.

TAT 1/24/97

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECB DELIVERABLES: ~~AS-70~~ AL70 TURN AROUND TIME Stand

SDG #: 0122 CASE #: RA096 (R9-14) MATRIX: SO pH CHECK Y or N

REMARKS:

RECEIVED BY: DAS SIGNATURE [signature] DATE ~~1-24-1-2397~~ TAT 1/23/97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B160211	9702025	1-22-97	A	1	PUTCL, TB
2	B160212	026				
3	B160213	027				
4	B160215	9702029				
5	B160216	030				
6	B160217	031				
7	B160218	032				
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DATE 3/11/97

TAT 1-23-97

H2M LABS, INC.

CLIENT: NDEC / MTJ 1/24/97

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN	A11A	analysis	
1/27/97	1260	SIGN	SIGN	A11 A	T.S. Analysis	
1/27/97	1300	SIGN	SIGN	A11A	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
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P 0017

S 0011

H2M LABS, INC.

TAJ 1/24/97

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECA DELIVERABLES: ~~AS-70~~ AC70 (KD 1-24) TURN AROUND TIME: Stand.

SDG #: 0122 CASE #: RA096 MATRIX: ML pH CHECK Y or N

REMARKS:

RECEIVED BY: TAJ SIGNATURE [signature] DATE 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B60220	9702037	1-22-97	D	2	PUTCL
2	B60221	038				
3	B60222	039				
4	TAJ 1/23/97 ~~B60223~~ Trip Blank	9702046				
5	TAJ 1/23/97 ~~B60223A~~					
6	TAJ 1/23/97 ~~B60224~~					
7	TAJ 1/23/97 ~~B60224A~~					
8	TAJ 1/23/97 ~~B60225~~					
9	TAJ 1/23/97 ~~B60225A~~					
10	TAJ 1/23/97 ~~Trip Blank~~					
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COPY
ORIGINAL LOCATED
INIT DATE

TAJ 1-23-97

S 0012

P 0019

H2M LABS, INC.

CLIENT: NDECB TAT 1/24/97

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN Bochicchio	All D	Analysis	
		SIGN	SIGN			
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H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECB DELIVERABLES: ~~AS70~~ (KD 1-24) AC70 TURN AROUND TIME Stand

SDG #: 0122 CASE #: RA096 MATRIX: SO pH CHECK Y or N

REMARKS:

RECEIVED BY: TAS SIGNATURE [signature] DATE 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B6024	9702028	1-22-97	B	1	BATCL, XBATCL
2						
3						
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JAN 1/23/97

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IN [illegible]
INIT [illegible] DATE 3/4/97

S 0014

P 0082

H2M LABS, INC.

CLIENT: NDECB

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	17.0	SIGN	SIGN N Crespo	All B	org analysis	
1/24/97	12.5	SIGN N Crespo	SIGN L Jacobson	All B	Extraction	
1/27/97	10.0	SIGN L Jacobson	SIGN	All B	T.S.	
1/27/97	14.35	SIGN	SIGN L Judson	All B	STORAGE Extraction	1/27 CSJ
1/28/97	11.0	SIGN L Judson	SIGN N Crespo	All B (E)	GPC	
1/30/97	14.40	SIGN N Crespo	SIGN	All B (E)	ANALYSIS	
		SIGN	SIGN			
		SIGN	SIGN			
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INIT [illegible] DATE 2/11/97

S 0015

P 0083

H2M LABS, INC.

(c LDC # 21-1197)

INTERNAL CHAIN OF CUSTODY

CLIENT: NDEQB DELIVERABLES: ~~AS-70~~ AC70 TURN AROUND TIME: Stand

SDG #: 0122 CASE #: RA7096 80 1/24/97 MATRIX: SO/GW pH CHECK (Y) or N

REMARKS:

RECEIVED BY: TAJ SIGNATURE: [signature] DATE: 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B60209 MS/MSD (219 TAJ 1/23/97)	9702033	1-22-97	TAT 1/23/97 A B	1	TCL Metals TS dig
2	B60223	9702040	↓	EN	1	↓ dig
3	B60223A	041	↓	↓	1	DTCL Metals dig
4	B60224	042	↓	↓	1	TCL Metals dig
5	B60224A	043	↓	↓	1	DTCL Metals dig
6	B60225 MS/MSD	044	↓	↓	3	TCL Metals dig
7	B60225A MS/MSD	045	↓	↓	3	DTCL Metals dig
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INIT [illegible] DATE [illegible]

TAJ 1/23/97

S 0016

P 0139

H2M LABS, INC.

CLIENT: NDEQB

SDG #: 0122

COPY ORIGINAL LOCATED

INIT | DATE

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN	AllB,En	prep/analysis	
1/27/97	1420	SIGN	SIGN	allB	T.S.	
1/27/97	1450	SIGN	SIGN	allB	storage	
1/30/97	9:00	SIGN	SIGN	allB	Hg prep	
1/30/97	9:30	SIGN	SIGN	allB	storage	
1/31/97	6:15	SIGN	SIGN	allB+D	Hg analysis	
2/12/97	1530	SIGN	SIGN Dig Cabinet	All B,En	storage	
Feb 12, 97	18:30	SIGN Dig Cabinet	SIGN	All B,En	Digestion	
Feb 13, 97	01:15	SIGN	SIGN Dig Cabinet	All B+Fe Digs	Storage	
2/13/97	845	SIGN Digs Cabinet	SIGN	All B,En+Digs	storage	
2/14/97	1505	SIGN	SIGN Cabinet B	All Digs	storage	
2/15/97	11:00	SIGN Cabinet B	SIGN	All fl digs	ICP (Trace)	
2/15/97	14:00	SIGN	SIGN Cabinet B	All fl digs	Storage	
2/18/97	910	SIGN Cabinet B	SIGN	All fl digs	storage	
2/18/97	910	SIGN	SIGN	all fl digs	ICP Col (Na,K)	
2/18/97	1530	SIGN	SIGN	All Fl digs	Confirmed for Analysis	
2/18/97	1605	SIGN	SIGN	All Fl Digs	storage	
2/21/97	1500	SIGN	SIGN	All Fl Digs	F Scale Dilutions	
2/21/97	17:00	SIGN	SIGN	All Fl Digs	storage	
2/22/97	9:30	SIGN	SIGN	All Fl Digs	ICP (dilutions)	
2/23/97	13:30	SIGN	SIGN Cabinet B	All Fl Digs	Storage	
2/26/97	11:00	SIGN Cabinet B	SIGN	All Fl Digs	ICP (dilutions)	
2/26/97	16:00	SIGN	SIGN Cabinet B	All Fl Digs	Storage	
2/27/97	7:45	SIGN Cabinet B	SIGN	All Fl Digs	storage	
		SIGN	SIGN			

H2M LABS, INC.

3. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILES
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

For Samples:

B60211	B60218
B60212	B60220
B60213	B60221
B60215	B600222
B60216	TRIP BLANK
B60217	

The above soil and water samples were analyzed according to the requirements of the NYSDEC ASP method 91-1 for the TCL volatile organic analytes. No matrix spike/matrix spike duplicate was submitted with this SDG.

Sample B60220 had a high surrogate recoveries for d-4 1,2-dichloroethane. All surrogate recoveries were acceptable in the dilution of this sample. The recovery of this analyte was also out in the diluted analysis of sample B60221.

The following soil samples required re-analysis at lower sample volumes due to calibration exceedences:

B60211
B60215

The re-analysis did not show consistent results for trichloroethane. Surrogate recoveries were reproducible.

The following water samples required re-analysis at dilutions due to levels of targeted analytes above the calibration range:

B60220
B60221
B60222

Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 3, 1997

****
* *
* Joann M Slavin *
****

Joann M. Slavin
Quality Assurance Manager

JMS\brf
S:\Labshare\brf\0122.doc

H2M LABS, INC.

SDG NARRATIVE FOR BASE NEUTRAL ACID
CONTRACT# C003180
CASE# RA096
SDG#: 0122
SAMPLE RECEIVED 01/23/97

FOR SAMPLE: B60214

The above soil sample was analyzed according to the requirements of the NYSDEC ASP method 91-1 for the TCL base-neutral/acid extractable analytes. No matrix spike/matrix spike duplicate was analyzed with this SDG, however a lab fortified blank was included.

A majority of the recoveries of the lab fortified blank were within the QC limits except for:

2,4 dimethylphenol	20%	(lower limit 31%)
N-nitrosodiphenylamine	140%	(upper limit 124%)
Chrysene	137%	(125%)
Dibenz(a,h) anthracene	140%	(131%)
Benzo (g,h,i) perylene	135%	(131%)

These recoveries do not impact the results reported for the sample.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: February 20, 1997

* * * * * * * * * * * * * * * *
* Joann Slavin *
* * * * * * * * * * * * * * * *
Joann Slavin
Quality Assurance Manager

H2M LABS, INC.

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

For Samples:

CLIENT ID	SOFTWARE CODE
B60219 MS/MSD	B60219 MS/MSD
B60223	B60223
B60223A	B223AX
B60224	B60224
B60224A	B224AX
B60225 MS/MSD	B60225 MS/MSD
B60225A MS/MSD	B225AX MS/MSD

ICP analysis was performed on a TJA61E Trace Analyzer and a TJA61 using method 200.7 CLP-M. Mercury was analyzed on a Leeman PS200 using method 245.1 CLP-M and 245.5 CLP-M.

Samples B223AX (9702041); B224AX (9702043) and B225AX (9702045) were field filtered and analyzed for dissolved metals.

The matrix spike recoveries for sample B60219 (9702033) were within 75-125%.

The chromium and iron duplicate results for sample B60219 (9702033) were not within the required control limits. All chromium and iron soil results are reported flagged with an "*" on Forms 1.

The ICP serial dilution results for sample B60219 (9702033) were within the required control limit (10% difference).

The antimony and chromium matrix spike recoveries for sample B60225 (9702044) were not within 75-125%. All total antimony and chromium water results are reported flagged with an "N" on Forms 1.

The chromium post spike was inadvertently spiked at 20 ug/l instead of 200 ug/l. The recovery was 119.5%.

The duplicate results for sample B60225 (9702044) were within the required control limits.

The lead ICP serial dilution results for sample B60225 (9702044) was not within the required control limit (10% difference). All total lead water results are reported flagged with an "E" on Forms 1.

The matrix spike recoveries and duplicate results for sample B225AX (9702045) were within the required control limits.

The copper ICP serial dilution results for sample B225AX (9702045) were not within the required control limit (10% difference). All dissolved copper results are reported flagged with an "E" on Forms 1.

H2M LABS, INC.

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

A 1:20 dilution was required for sample B60223 (9702040) and a 1:2 dilution for sample B60224 (9702042) to bring iron within the linear range of the instrument. Due to interference by iron, the dilution was also applied to the following analytes: antimony, cadmium, lead, magnesium, manganese, selenium, silver, thallium, vanadium, and zinc. These dilutions were required for accurate interelement corrections to be applied.

Two wavelengths were used for iron analysis on the TJA61E Trace Analyzer. The two lines allow for a greater sensitivity across a broad concentration range. A second ICV and CCV (ICVL, CCVL) were analyzed for the low level iron analysis.

All other quality control requirements were met. No problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 3, 1997

****
* *
* *
****

Maureen Martin
Metals Supervisor

4. SAMPLE REPORTS

4.1 VOLATILES
4.2 SEMIVOLATILES
4.3 METALS

H2M LABS, INC.

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to

$$\frac{(330\ U) \times df}{D} \quad \text{where } D = \frac{100 - \%\ \text{moisture}}{100}$$

and df = dilution factor

For example, at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(330\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory-defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g., a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceeds 200 ug/l or the peak representing the two coeluting isomers on that GC column exceeds 400 ug/l. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceeds 400 ug/l.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The Laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

H2M LABS, INC.

QUALIFIERS FOR METALS ANALYSIS

Q (Quality Control) Qualifiers

E - The reported value is estimated because of the presence of interference. An explanatory not is included in the SDG narrative.

M - Duplicate injection precision not met.

N - Matrix spike sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

+ - Correlation coefficient for the MSA is less than 0.995

W - Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis is not within control limits.

C (Concentration) Qualifiers

B - Entered if the reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).

U - Entered if the analyte was analyzed for but not detected, i.e., less than the IDL.

M (Method) Qualifiers

P - Analyzed by ICP.
A - Analyzed by Flame AA.
F - Analyzed by Furnace AA.
CV - Analyzed by Manual Cold Vapor techniques.
AV - Analyzed by Automated Cold Vapor techniques.
C - Analyzed by Manual Spectrophotometric Method.
CA- Analyzed by Midi-distillation Spectrophotometric Method.
NR - Analyte not Required.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60211

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05476.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	380	E
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60211

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05476.D

Level: (low/med) LOW Date Received: 01/23/97

% Mpisture: not dec. 6.5 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0028

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60211DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05486.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	27	U
74-83-9	Bromomethane	27	U
75-01-4	Vinyl Chloride	27	U
75-00-3	Chloroethane	27	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	9	JB
75-15-0	Carbon Disulfide	27	U
75-35-4	1,1-Dichloroethene	27	U
75-34-4	1,1-Dichloroethane	27	U
540-59-0	1,2-Dichloroethene (total)	27	U
67-66-3	Chloroform	27	U
107-06-2	1,2-Dichloroethane	27	U
78-93-3	2-Butanone	27	U
71-55-6	1,1,1-Trichloroethane	27	U
56-23-5	Carbon Tetrachloride	27	U
75-27-4	Bromodichloromethane	27	U
78-87-5	1,2-Dichloropropane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-01-6	Trichloroethene	42	
71-43-2	Benzene	27	U
124-48-1	Dibromochloromethane	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
75-25-2	Bromoform	27	U
108-10-1	4-Methyl-2-Pentanone	27	U
591-78-6	2-Hexanone	27	U
127-18-4	Tetrachloroethene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
108-88-3	Toluene	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
100-42-5	Styrene	27	U
1330-20-7	Xylene (total)	27	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60211DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05486.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60212

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05477.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60212

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05477.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0032

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60213

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05478.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	2	J
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60213

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05478.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0034

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60214

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: 9702028

Sample wt/vol: 30 (g/ml) G Lab File ID: C03348.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: 5.3 decanted:(Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108952	Phenol	350	U
111444	bis(2-Chloroethyl)ether	350	U
95578	2-Chlorophenol	350	U
541731	1,3-Dichlorobenzene	350	U
106467	1,4-Dichlorobenzene	350	U
95501	1,2-Dichlorobenzene	350	U
95487	2-Methylphenol	350	U
108601	2,2'-oxybis(1-Chloropropane)	350	U
106445	4-Methylphenol	350	U
621647	N-Nitroso-di-n-propylamine	350	U
67721	Hexachloroethane	350	U
98953	Nitrobenzene	350	U
78591	Isophorone	350	U
88755	2-Nitrophenol	350	U
105679	2,4-Dimethylphenol	350	U
111911	bis(2-Chloroethoxy)methane	350	U
120832	2,4-Dichlorophenol	350	U
120821	1,2,4-Trichlorobenzene	350	U
91203	Naphthalene	350	U
106478	4-Chloroaniline	350	U
87683	Hexachlorobutadiene	350	U
59507	4-Chloro-3-methylphenol	350	U
91576	2-Methylnaphthalene	350	U
77474	Hexachlorocyclopentadiene	350	U
88062	2,4,6-Trichlorophenol	350	U
95954	2,4,5-Trichlorophenol	880	U
91587	2-Chloronaphthalene	350	U
88744	2-Nitroaniline	880	U
131113	Dimethylphthalate	350	U
208968	Acenaphthylene	350	U
606202	2,6-Dinitrotoluene	350	U
99092	3-Nitroaniline	880	U
83329	Acenaphthene	350	U
51285	2,4-Dinitrophenol	880	U
100027	4-Nitrophenol	880	U
132649	Dibenzofuran	350	U
121142	2,4-Dinitrotoluene	350	U

S 0035

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60214

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: 9702028

Sample wt/vol: 30 (g/ml) G Lab File ID: C03348.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: 5.3 decanted:(Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84662	Diethylphthalate	350	U
86737	Fluorene	350	U
7005723	4-Chlorophenyl-phenylether	350	U
100016	4-Nitroaniline	880	U
534521	4,6-Dinitro-2-methylphenol	880	U
86306	N-Nitrosodiphenylamine	350	U
101553	4-Bromophenyl-phenylether	350	U
118741	Hexachlorobenzene	350	U
87865	Pentachlorophenol	880	U
85018	Phenanthrene	55	J
120127	Anthracene	350	U
86748	Carbazole	350	U
84742	Di-n-butylphthalate	350	U
206440	Fluoranthene	110	J
129000	Pyrene	110	J
85687	Butylbenzylphthalate	350	U
56553	Benzo[a]anthracene	58	J
91941	3,3'-Dichlorobenzidine	350	U
218019	Chrysene	99	J
117817	bis(2-Ethylhexyl)phthalate	400	
117840	Di-n-octylphthalate	350	U
205992	Benzo[b]fluoranthene	64	J
207089	Benzo[k]fluoranthene	69	J
50328	Benzo[a]pyrene	55	J
193395	Indeno[1,2,3-cd]pyrene	49	J
53703	Dibenz[a,h]anthracene	350	U
191242	Benzo[g,h,i]perylene	69	J

S 0036

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

B60214

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: 9702028

Sample wt/vol: 30 (g/ml) G Lab File ID: C03348.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: 5.3 decanted: (Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	3.62	370	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.33	9900	JN
3.	unknown alkane	4.49	710	J
4.	unknown alkane	4.59	820	J
5.	unknown	5.33	710	J
6.	unknown	6.69	340	J
7. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	16.12	940	JN

2/19/97

S 0037

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60215

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05479.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 12.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	410	E
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	8	J
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	110	
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	2	J
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60215

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05479.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 12.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000110-43-0	2-Heptanone	18.43	15	JN

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60215DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05487.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.8 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	27	U
74-83-9	Bromomethane	27	U
75-01-4	Vinyl Chloride	27	U
75-00-3	Chloroethane	27	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	430	B
75-15-0	Carbon Disulfide	27	U
75-35-4	1,1-Dichloroethene	27	U
75-34-4	1,1-Dichloroethane	27	U
540-59-0	1,2-Dichloroethene (total)	27	U
67-66-3	Chloroform	27	U
107-06-2	1,2-Dichloroethane	27	U
78-93-3	2-Butanone	27	U
71-55-6	1,1,1-Trichloroethane	27	U
56-23-5	Carbon Tetrachloride	27	U
75-27-4	Bromodichloromethane	27	U
78-87-5	1,2-Dichloropropane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-01-6	Trichloroethene	29	
71-43-2	Benzene	27	U
124-48-1	Dibromochloromethane	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
75-25-2	Bromoform	27	U
108-10-1	4-Methyl-2-Pentanone	27	U
591-78-6	2-Hexanone	27	U
127-18-4	Tetrachloroethene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
100-42-5	Styrene	27	U
1330-20-7	Xylene (total)	27	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
B60215DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05487.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.8 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000110-43-0	2-Heptanone	18.46	13	JN

S 0041

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60216

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702030

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05480.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60216

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702030

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05480.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1' (uL) Soil Aliquot Volume: 1' (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60217

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702031

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05481.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60217

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702031

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05481.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60218

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702032

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05488.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	JB
67-64-1	Acetone	9	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60218

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702032

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05488.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B60219

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): SOIL Lab Sample ID: 9702033

Level (low/med): LOW Date Received: 01/23/97

% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	394			P
7440-36-0	Antimony	0.58	U		P
7440-38-2	Arsenic	0.95	B		P
7440-39-3	Barium	1.5	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	73.5	B		P
7440-47-3	Chromium	7.3		*	P
7440-48-4	Cobalt	0.33	B		P
7440-50-8	Copper	1.6	B		P
7439-89-6	Iron	1800		*	P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	48.8	B		P
7439-96-5	Manganese	3.5			P
7439-97-6	Mercury	0.06	B		CV
7440-02-0	Nickel	3.9	B		P
7440-09-7	Potassium	40.7	B		P
7782-49-2	Selenium	0.35	U		P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	30.5	B		P
7440-28-0	Thallium	0.49	B		P
7440-62-2	Vanadium	2.1	B		P
7440-66-6	Zinc	3.8	B		P
	Cyanide				

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
B60219
TOTAL METALS
DATE REPORTED: FEBRUARY 28, 1997

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60220

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05528.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	440	E
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	1	J
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	9	J
71-55-6	1,1,1-Trichloroethane	82	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	1900	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	56	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	310	E
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	4	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60220

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05528.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.52	16	JN

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60220DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037DL 1:2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05540.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl Chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene Chloride	46	JBD
67-64-1	Acetone	480	D
75-15-0	Carbon Disulfide	250	U
75-35-4	1,1-Dichloroethene	250	U
75-34-4	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	58	JD
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	64	JD
56-23-5	Carbon Tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	3900	D
71-43-2	Benzene	250	U
124-48-1	Dibromochloromethane	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-Pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	54	JD
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	320	D
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60220DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037DL 1:2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05540.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0052

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60221

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05530.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	4	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	17	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	500	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	17	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	37	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60221

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05530.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	18.50	10	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60221DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05531.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	170	D
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-4	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	18	JD
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	550	D
71-43-2	Benzene	50	U
124-48-1	Dibromochloromethane	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	18	JD
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	40	JD
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60221DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05531.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	18.52	42	JD

S 0056

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60222

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05507.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	92	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	2	J
75-34-4	1,1-Dichloroethane	5	J
540-59-0	1,2-Dichloroethene (total)	13	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	3	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	160	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	660	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	15	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60222

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05507.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	8.37	19	JN
2. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.47	53	JN

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60222DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05532.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	110	D
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-4	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	8	JD
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	180	D
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	710	D
71-43-2	Benzene	50	U
124-48-1	Dibromochloromethane	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	14	JD
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	10	JD
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60222DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05532.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.51	28	JND

S 0060

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

B60223

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702040

Level (low/med): LOW Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	211000			P
7440-36-0	Antimony	56.0	U	N	P
7440-38-2	Arsenic	1500			P
7440-39-3	Barium	852			P
7440-41-7	Beryllium	18.9			P
7440-43-9	Cadmium	8.0	U		P
7440-70-2	Calcium	44700	B		P
7440-47-3	Chromium	4710		N	P
7440-48-4	Cobalt	73.1			P
7440-50-8	Copper	1490			P
7439-89-6	Iron	2550000			P
7439-92-1	Lead	438		E	P
7439-95-4	Magnesium	50400	B		P
7439-96-5	Manganese	6370			P
7439-97-6	Mercury	3.4			CV
7440-02-0	Nickel	447			P
7440-09-7	Potassium	89200			P
7782-49-2	Selenium	34.4	B		P
7440-22-4	Silver	2740			P
7440-23-5	Sodium	44000			P
7440-28-0	Thallium	105	B		P
7440-62-2	Vanadium	1730			P
7440-66-6	Zinc	15900			P
	Cyanide				

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: DK.YELLOW Clarity After: CLEAR Artifacts: YES

Comments:
B60223
TOTAL METALS
DATE REPORTED: FEBRUARY 28, 1997
ARTIFACT: SEDIMENTS 2 MM - 12 MM

S 0061

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B223AX

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702041

Level (low/med): LO Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.6	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	2.2	U		P
7440-39-3	Barium	28.7	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	17400			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	1.5	B	E	P
7439-89-6	Iron	4550			P
7439-92-1	Lead	0.70	U		P
7439-95-4	Magnesium	17000			P
7439-96-5	Manganese	407			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	26.6	B		P
7440-09-7	Potassium	66100			P
7782-49-2	Selenium	1.7	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	34000			P
7440-28-0	Thallium	3.3	B		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	557			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
B60223A
DISSOLVED METALS
DATE REPORTED: FEBRUARY 28, 1997

S 0062

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B60224

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702042

Level (low/med): LOW Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	68200			P
7440-36-0	Antimony	6.0	B	N	P
7440-38-2	Arsenic	222			P
7440-39-3	Barium	356			P
7440-41-7	Beryllium	4.8	B		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	48900			P
7440-47-3	Chromium	612		N	P
7440-48-4	Cobalt	33.7	B		P
7440-50-8	Copper	273			P
7439-89-6	Iron	313000			P
7439-92-1	Lead	75.5		E	P
7439-95-4	Magnesium	22900			P
7439-96-5	Manganese	1550			P
7439-97-6	Mercury	0.52			CV
7440-02-0	Nickel	161			P
7440-09-7	Potassium	19700			P
7782-49-2	Selenium	9.4	B		P
7440-22-4	Silver	281			P
7440-23-5	Sodium	33100			P
7440-28-0	Thallium	13.6	B		P
7440-62-2	Vanadium	304			P
7440-66-6	Zinc	4450			P
	Cyanide				

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts: YES

Comments:

B60224
TOTAL METALS
DATE REPORTED: FEBRUARY 28, 1997
ARTIFACT: SEDIMENTS 2 MM - 12 MM

H2M LABS, INC.

SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

B224AX

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702043

Level (low/med): LO Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.6	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	2.2	U		P
7440-39-3	Barium	41.4	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.63	B		P
7440-70-2	Calcium	43900			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	1.1	B	E	P
7439-89-6	Iron	10700			P
7439-92-1	Lead	0.70	U		P
7439-95-4	Magnesium	19000			P
7439-96-5	Manganese	402			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	30.6	B		P
7440-09-7	Potassium	12300			P
7782-49-2	Selenium	1.7	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	31400			P
7440-28-0	Thallium	4.0	B		P
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	1250			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
B60224A
DISSOLVED METALS
DATE REPORTED: FEBRUARY 28, 1997

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

1

SAMPLE NO.

B60225

INORGANIC ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702044

Level (low/med): LOW Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	94900			P
7440-36-0	Antimony	7.5	B	N	P
7440-38-2	Arsenic	136			P
7440-39-3	Barium	243			P
7440-41-7	Beryllium	6.4			P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	20800			P
7440-47-3	Chromium	575		N	P
7440-48-4	Cobalt	32.1	B		P
7440-50-8	Copper	525			P
7439-89-6	Iron	235000			P
7439-92-1	Lead	80.7		E	P
7439-95-4	Magnesium	105000			P
7439-96-5	Manganese	1040			P
7439-97-6	Mercury	0.56			CV
7440-02-0	Nickel	252			P
7440-09-7	Potassium	29500			P
7782-49-2	Selenium	9.8			P
7440-22-4	Silver	91.7			P
7440-23-5	Sodium	66000			P
7440-28-0	Thallium	6.8	B		P
7440-62-2	Vanadium	249			P
7440-66-6	Zinc	4040			P
	Cyanide				

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:
B60225
TOTAL METALS
DATE REPORTED: FEBRUARY 28, 1997
ARTIFACT: SEDIMENTS 2 MM - 12 MM

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

1

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

B225AX

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Lab Sample ID: 9702045

Level (low/med): LO Date Received: 01/23/97

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8680			P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	5.2	B		P
7440-39-3	Barium	73.7	B		P
7440-41-7	Beryllium	2.4	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	21700			P
7440-47-3	Chromium	23.8			P
7440-48-4	Cobalt	23.6	B		P
7440-50-8	Copper	37.9		E	P
7439-89-6	Iron	48600			P
7439-92-1	Lead	1.5	B		P
7439-95-4	Magnesium	125000			P
7439-96-5	Manganese	833			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	189			P
7440-09-7	Potassium	30000			P
7782-49-2	Selenium	1.7	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	72700			P
7440-28-0	Thallium	3.7	B		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	5140			P
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: LT.YELLOW Clarity After: CLEAR Artifacts:

Comments:
B60225A
DISSOLVED METALS
DATE REPORTED: FEBRUARY 28, 1997

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702046

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05541.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702046

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05541.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0068

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES
5.2 SEMIVOLATILE

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK28	104	102	101	0
02	B60222	105	100	102	0
03	VBLK29	106	97	100	0
04	B60220	117*	96	105	1
05	B60221	113	96	104	0
06	B60221DL	116*	95	106	1
07	B60222DL	113	97	106	0
08	VBLK30	101	98	101	0
09	B60220DL	103	98	100	0
10	TRIP BLANK	104	94	102	0

				QC LIMITS
SMC1	(DCE)	=	1,2-Dichloroethane-d4	(76-114)
SMC2	(TOL)	=	Toluene-d8	(88-110)
SMC3	(BFB)	=	Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Level: (low/med) LOW _____

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK24	105	98	99	0
02	B60211	109	103	88	0
03	B60212	110	97	102	0
04	B60213	110	96	102	0
05	B60215	109	100	101	0
06	B60216	113	97	105	0
07	B60217	111	96	103	0
08	VBLK27	107	96	98	0
09	B60211DL	106	97	99	0
10	B60215DL	108	99	99	0
11	B60218	109	98	101	0

				QC LIMITS
SMC1	(DCE)	=	1,2-Dichloroethane-d4	(70-121)
SMC2	(TOL)	=	Toluene-d8	(84-138)
SMC3	(BFB)	=	Bromofluorobenzene	(59-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

S 0071

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (2FP) #	S2 (PD5) #	S3 (2CP) #	S4 (DCB) #	S5 (NBZ) #	S6 (FBP) #	S7 (TBP) #	S8 (TPH) #	TOT OUT
01	SBLK01	72	74	75	80	91	93	73	93	0
02	LFB(1/24)	73	76	76	77	86	94	86	99	0
03	B60214	70	72	77	73	81	85	77	92	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(25-121)
S2	(PD5)	=	Phenol-d5	(24-113)
S3	(2CP)	=	2-Chlorophenol-d4	(20-130)
S4	(DCB)	=	1,2-Dichlorobenzene-d4	(20-130)
S5	(NBZ)	=	Nitrobenzene-d5	(23-120)
S6	(FBP)	=	2-Fluorobiphenyl	(30-115)
S7	(TBP)	=	2,4,6-Tribromophenol	(19-122)
S8	(TPH)	=	Terphenyl-d14	(18-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 SEMIVOLATILES

SOIL LABORATORY FORTIFIED BLANK RECOVERY

LAB SAMPLE ID: LFB(1/24)
RUN #: C03342.D
DATE ANALYZED: 02/18/97

ANALYTE	LFB CONC. (ug/Kg)	SPIKE AMT. (ug/Kg)	% REC.	#	QC LIMITS LCL	UCL
Phenol	784	830	94		30	126
bis(2-Chloroethyl)ether	767	830	92		23	119
2-Chlorophenol	718	830	87		32	122
1,3-Dichlorobenzene	673	830	81		39	111
1,4-Dichlorobenzene	688	830	83		38	116
1,2-Dichlorobenzene	672	830	81		40	112
2-Methylphenol	600	830	72		27	141
2,2'-oxybis(1-Chloropropane)	625	830	75		9	147
4-Methylphenol	633	830	76		15	141
N-Nitroso-di-n-propylamine	709	830	85		19	133
Hexachloroethane	698	830	84		39	111
Nitrobenzene	694	830	84		39	129
Isophorone	688	830	83		30	126
2-Nitrophenol	791	830	95		37	121
2,4-Dimethylphenol	162	830	20	*	31	133
bis(2-Chloroethoxy)methane	811	830	98		46	112
2,4-Dichlorophenol	820	830	99		40	124
1,2,4-Trichlorobenzene	746	830	90		48	114
Naphthalene	741	830	89		46	118
4-Chloroaniline	331	830	40		0	155
Hexachlorobutadiene	756	830	91		49	115
4-Chloro-3-methylphenol	856	830	103		39	135
2-Methylnaphthalene	746	830	90		49	121
Hexachlorocyclopentadiene	603	830	73		0	134
2,4,6-Trichlorophenol	847	830	102		37	133
2,4,5-Trichlorophenol	835	830	101		16	148
2-Chloronaphthalene	801	830	97		47	125
2-Nitroaniline	807	830	97		33	135
Dimethylphthalate	812	830	98		49	127
Acenaphthylene	823	830	99		47	119
2,6-Dinitrotoluene	801	830	97		48	120
3-Nitroaniline	485	830	58		4	166
Acenaphthene	806	830	97		49	127
2,4-Dinitrophenol	777	830	94		0	120
4-Nitrophenol	926	830	112		10	166
Dibenzofuran	813	830	98		48	120
2,4-Dinitrotoluene	804	830	97		46	118

Column used to flag recoveries outside QC limits.
* Recovery of analyte is outside QC limits.

S 0074

SOIL LABORATORY FORTIFIED BLANK RECOVERY

LAB SAMPLE ID: LFB(1/24)
RUN #: C03342.D
DATE ANALYZED: 02/18/97

ANALYTE	LFB CONC. (ug/Kg)	SPIKE AMT. (ug/Kg)	% REC.	#	QC LIMITS LCL	UCL
Diethylphthalate	842	830	101		50	128
Fluorene	843	830	102		50	122
4-Chlorophenyl-phenylether	826	830	100		51	123
4-Nitroaniline	796	830	96		0	227
4,6-Dinitro-2-methylphenol	802	830	97		29	137
N-Nitrosodiphenylamine	1159	830	140	*	52	124
4-Bromophenyl-phenylether	761	830	92		55	127
Hexachlorobenzene	794	830	96		55	127
Pentachlorophenol	727	830	88		0	157
Phenanthrene	818	830	99		54	126
Anthracene	855	830	103		58	124
Carbazole	953	830	115		3	243
Di-n-butylphthalate	785	830	95		50	128
Fluoranthene	824	830	99		48	120
Pyrene	865	830	104		46	124
Butylbenzylphthalate	874	830	105		42	132
Benzo[a]anthracene	798	830	96		48	120
3,3'-Dichlorobenzidine	352	830	42		6	186
Chrysene	1140	830	137	*	47	125
bis(2-Ethylhexyl)phthalate	814	830	98		29	127
Di-n-octylphthalate	795	830	96		41	125
Benzo[b]fluoranthene	840	830	101		35	119
Benzo[k]fluoranthene	905	830	109		40	136
Benzo[a]pyrene	821	830	99		49	121
Indeno[1,2,3-cd]pyrene	918	830	111		34	130
Dibenz[a,h]anthracene	1162	830	140	*	35	131
Benzo[g,h,i]perylene	1123	830	135	*	29	131

Column used to flag recoveries outside QC limits.
* Recovery of analyte is outside QC limits.

7. DUPLICATE SAMPLE RESULTS

7.1 METALS

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

B60219D

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 96.2 % Solids for Duplicate: ~~96.2~~ 3/3/2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		394.1164		428.0596		8.3		P
Antimony		0.5821	U	0.5821	U			P
Arsenic		0.9483	B	0.6341	B	39.7		P
Barium		1.5454	B	1.3444	B	13.9		P
Beryllium		0.1732	B	0.0762	B	77.8		P
Cadmium		0.1247	B	0.0832	U	200.0		P
Calcium		73.5412	B	28.3160	B	88.8		P
Chromium	2.1	7.2834		3.6868		65.6	*	P
Cobalt		0.3257	B	0.2079	U	200.0		P
Copper		1.5870	B	1.0187	B	43.6		P
Iron		1802.8829		1362.4116		27.8	*	P
Lead	0.6	1.5478		1.1814		26.9		P
Magnesium		48.8288	B	31.0811	B	44.4		P
Manganese	3.1	3.5066		1.9473	B	57.2		P
Mercury		0.0557	B	0.0433	U	200.0		CV
Nickel		3.9362	B	0.9494	B	122.3		P
Potassium		40.7277	B	42.5017	B	4.3		P
Selenium		0.3534	U	0.3534	U			P
Silver		1.3264	B	1.3289	B	0.2		P
Sodium		30.5336	B	27.9764	B	8.7		P
Thallium		0.4910	B	0.2703	U	200.0		P
Vanadium		2.0721	B	1.9543	B	5.9		P
Zinc		3.7699	B	3.5482	B	6.1		P
Cyanide								

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

B60225D

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		94869.9660		85744.3660		10.1		P
Antimony		7.4763	B	5.4011	B	32.2		P
Arsenic		136.1906		135.3653		0.6		P
Barium	200.0	243.4333		224.0333		8.3		P
Beryllium	5.0	6.3667		6.2333		2.1		P
Cadmium		0.4000	U	0.4000	U			P
Calcium	5000.0	20779.4000		20785.5000		0.0		P
Chromium		575.2333		563.4000		2.1		P
Cobalt		32.1333	B	31.8667	B	0.8		P
Copper		525.0000		519.7667		1.0		P
Iron		235358.1000		235391.1000		0.0		P
Lead		80.6869		78.2968		3.0		P
Magnesium		104524.2000		104719.8600		0.2		P
Manganese		1041.8000		1037.0000		0.5		P
Mercury	0.2	0.5560		0.5582		0.4		CV
Nickel		251.5000		246.0000		2.2		P
Potassium		29475.1330		29136.6000		1.2		P
Selenium	5.0	9.8457		9.8072		0.4		P
Silver		91.7028		92.6527		1.0		P
Sodium		65996.4000		66424.1660		0.6		P
Thallium		6.7709	B	6.8915	B	1.8		P
Vanadium	50.0	248.6000		245.2333		1.4		P
Zinc		4038.5333		4045.5667		0.2		P
Cyanide								

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

6
DUPLICATES

SAMPLE NO.

B225AXD

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LO

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		8682.5333		8609.8333		0.8		P
Antimony		2.8000	U	2.8000	U			P
Arsenic		5.1909	B	4.1958	B	21.2		P
Barium		73.6667	B	72.8000	B	1.2		P
Beryllium		2.4000	B	2.4000	B	0.0		P
Cadmium		1.2333	B	1.1667	B	5.6		P
Calcium	5000.0	21692.6000		21733.7000		0.2		P
Chromium	10.0	23.8333		24.2333		1.7		P
Cobalt		23.6000	B	23.7667	B	0.7		P
Copper	25.0	37.9000		37.4667		1.1		P
Iron		48564.5660		48578.8000		0.0		P
Lead		1.5188	B	0.7787	B	64.4		P
Magnesium		124681.6300		124697.0000		0.0		P
Manganese		832.6000		831.4667		0.1		P
Mercury		0.1000	U	0.1000	U			CV
Nickel	40.0	189.2333		190.0333		0.4		P
Potassium		29964.9000		29726.3660		0.8		P
Selenium		1.7000	U	1.8221	B	200.0		P
Silver		0.5000	U	0.5000	U			P
Sodium		72729.6660		72222.8660		0.7		P
Thallium		3.6599	B	2.0611	B	55.9		P
Vanadium		1.1000	U	1.1000	U			P
Zinc		5137.4667		5135.5000		0.0		P
Cyanide								

8. SPIKE SAMPLE RESULTS

8.1 METALS

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5A
SPIKE SAMPLE RECOVERY

SAMPLE NO.

B60219S

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): SOIL Level (low/med): LOW
% Solids for Sample: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	93.6992		0.5821	U	103.95	90.1		P
Arsenic	75-125	391.8479		0.9483	B	415.80	94.0		P
Barium	75-125	428.9744		1.5454	B	415.80	102.8		P
Beryllium	75-125	10.2426		0.1732	B	10.40	96.8		P
Cadmium	75-125	10.3950		0.1247	B	10.40	98.8		P
Calcium									NR
Chromium	75-125	45.9529		7.2834		41.58	93.0		P
Cobalt	75-125	103.2225		0.3257	B	103.95	99.0		P
Copper	75-125	55.1005		1.5870	B	51.98	103.0		P
Iron									NR
Lead	75-125	101.3442		1.5478		103.95	96.0		P
Magnesium									NR
Manganese	75-125	107.2557		3.5066		103.95	99.8		P
Mercury	75-125	0.4919		0.0557	B	0.43	101.4		CV
Nickel	75-125	106.5904		3.9362	B	103.95	98.8		P
Potassium									NR
Selenium	75-125	372.9734		0.3534	U	415.80	89.7		P
Silver	75-125	11.6050		1.3264	B	10.40	98.8		P
Sodium									NR
Thallium	75-125	393.6295		0.4910	B	415.80	94.5		P
Vanadium	75-125	105.8905		2.0721	B	103.95	99.9		P
Zinc	75-125	107.5537		3.7699	B	103.95	99.8		P
Cyanide									NR

Comments:

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

B60225S

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		98277.3660		94869.9660		2000.00	170.4		P
Antimony	75-125	318.5125		7.4763	B	500.00	62.2	N	P
Arsenic	75-125	1969.8135		136.1906		2000.00	91.7		P
Barium	75-125	2241.4667		243.4333		2000.00	99.9		P
Beryllium	75-125	55.2333		6.3667		50.00	97.7		P
Cadmium	75-125	45.3667		0.4000	U	50.00	90.7		P
Calcium									NR
Chromium	75-125	724.0000		575.2333		200.00	74.4	N	P
Cobalt	75-125	477.3333		32.1333	B	500.00	89.0		P
Copper	75-125	763.1000		525.0000		250.00	95.2		P
Iron		223942.4000		235358.1000		1000.00	-1141.6		P
Lead	75-125	509.4323		80.6869		500.00	85.7		P
Magnesium									NR
Manganese	75-125	1474.5333		1041.8000		500.00	86.5		P
Mercury	75-125	1.6198		0.5560		1.00	106.4		CV
Nickel	75-125	696.5333		251.5000		500.00	89.0		P
Potassium									NR
Selenium	75-125	1897.1435		9.8457		2000.00	94.4		P
Silver	75-125	139.0966		91.7028		50.00	94.8		P
Sodium									NR
Thallium	75-125	1793.6648		6.7709	B	2000.00	89.3		P
Vanadium	75-125	704.1000		248.6000		500.00	91.1		P
Zinc		4399.0333		4038.5333		500.00	72.1		P
Cyanide									NR

Comments:
TOTAL METALS

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

B225AXS

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LO

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		10589.4000		8682.5333		2000.00	95.3		P
Antimony	75-125	512.0687		2.8000	U	500.00	102.4		P
Arsenic	75-125	2022.1460		5.1909	B	2000.00	100.8		P
Barium	75-125	2176.9000		73.6667	B	2000.00	105.2		P
Beryllium	75-125	54.0667		2.4000	B	50.00	103.3		P
Cadmium	75-125	49.9667		1.2333	B	50.00	97.5		P
Calcium									NR
Chromium	75-125	221.1333		23.8333		200.00	98.6		P
Cobalt	75-125	494.3000		23.6000	B	500.00	94.1		P
Copper	75-125	296.2000		37.9000		250.00	103.3		P
Iron		49013.0000		48564.5660		1000.00	44.8		P
Lead	75-125	466.1824		1.5188	B	500.00	92.9		P
Magnesium									NR
Manganese	75-125	1312.2333		832.6000		500.00	95.9		P
Mercury	75-125	1.0496		0.1000	U	1.00	105.0		CV
Nickel	75-125	668.5333		189.2333		500.00	95.9		P
Potassium									NR
Selenium	75-125	2048.2176		1.7000	U	2000.00	102.4		P
Silver	75-125	49.6496		0.5000	U	50.00	99.3		P
Sodium									NR
Thallium	75-125	1921.4206		3.6599	B	2000.00	95.9		P
Vanadium	75-125	496.9333		1.1000	U	500.00	99.4		P
Zinc		5551.5000		5137.4667		500.00	82.8		P
Cyanide									NR

Comments:

DISSOLVED METALS

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

B60219A

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)		Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

B60225A

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)		Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony		135.37		7.48	B	120.0	106.6		P
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium		599.13		575.23		20.0	119.5		P
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
TOTAL METALS

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

B225AXA

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Matrix (soil/water): WATER Level (low/med): LO

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)		Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:
DISSOLVED METALS

9. BLANK SUMMARY DATA AND RESULTS

9.1 VOLATILES
9.2 SEMIVOLATILES
9.3 METALS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK28

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05499.D Lab Sample ID: VBLK28

Date Analyzed: 01/28/97 Time Analyzed: 13:02

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60222	9702039	P05507.D	17:19

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK28

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK28

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05499.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK28

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK28

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05499.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. _____ Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK29

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05520.D Lab Sample ID: VBLK29

Date Analyzed: 01/29/97 Time Analyzed: 14:36

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60220	9702037	P05528.D	18:14
02	B60221	9702038	P05530.D	19:14
03	B60221DL	9702038DL 1:5	P05531.D	19:43
04	B60222DL	9702039DL 1:5	P05532.D	20:13

COMMENTS

S 0091

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK29

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05520.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK29

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05520.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0093

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK30

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05538.D Lab Sample ID: VBLK30

Date Analyzed: 01/30/97 Time Analyzed: 12:54

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60220DL	9702037DL 1:25	P05540.D	13:54
02	TRIP BLANK	9702046	P05541.D	14:23

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK30

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05538.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK30

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05538.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0096

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK24

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05462.D Lab Sample ID: VBLK24

Date Analyzed: 01/24/97 Time Analyzed: 10:59

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60211	9702025	P05476.D	18:18
02	B60212	9702026	P05477.D	18:49
03	B60213	9702027	P05478.D	19:20
04	B60215	9702029	P05479.D	19:50
05	B60216	9702030	P05480.D	20:21
06	B60217	9702031	P05481.D	20:52

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK24

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK24

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK27

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05485.D Lab Sample ID: VBLK27

Date Analyzed: 01/27/97 Time Analyzed: 16:00

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60211DL	9702025DL	P05486.D	16:44
02	B60215DL	9702029DL	P05487.D	17:15
03	B60218	9702032	P05488.D	17:46

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK27

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK27

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05485.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 0 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

S 0101

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK27

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK27

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05485.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 0 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

S 0102

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK01

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Lab File ID: C03341.D Lab Sample ID: SBLK(1/24)

Instrument ID: H5972 Date Extracted: 01/24/97

Matrix: (soil/water) SOIL Date Analyzed: 02/18/97

Level: (low/med) LOW Time Analyzed: 17:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	LFB(1/24)	LFB(1/24)	C03342.D	02/18/97
02	B60214	9702028	C03348.D	02/18/97

COMMENTS:

S 0103

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: SBLK(1/24)

Sample wt/vol: 30 (g/ml) G Lab File ID: C03341.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108952	Phenol	330	U
111444	bis(2-Chloroethyl)ether	330	U
95578	2-Chlorophenol	330	U
541731	1,3-Dichlorobenzene	330	U
106467	1,4-Dichlorobenzene	330	U
95501	1,2-Dichlorobenzene	330	U
95487	2-Methylphenol	330	U
108601	2,2'-oxybis(1-Chloropropane)	330	U
106445	4-Methylphenol	330	U
621647	N-Nitroso-di-n-propylamine	330	U
67721	Hexachloroethane	330	U
98953	Nitrobenzene	330	U
78591	Isophorone	330	U
88755	2-Nitrophenol	330	U
105679	2,4-Dimethylphenol	330	U
111911	bis(2-Chloroethoxy)methane	330	U
120832	2,4-Dichlorophenol	330	U
120821	1,2,4-Trichlorobenzene	330	U
91203	Naphthalene	330	U
106478	4-Chloroaniline	330	U
87683	Hexachlorobutadiene	330	U
59507	4-Chloro-3-methylphenol	330	U
91576	2-Methylnaphthalene	330	U
77474	Hexachlorocyclopentadiene	330	U
88062	2,4,6-Trichlorophenol	330	U
95954	2,4,5-Trichlorophenol	830	U
91587	2-Chloronaphthalene	330	U
88744	2-Nitroaniline	830	U
131113	Dimethylphthalate	330	U
208968	Acenaphthylene	330	U
606202	2,6-Dinitrotoluene	330	U
99092	3-Nitroaniline	830	U
83329	Acenaphthene	330	U
51285	2,4-Dinitrophenol	830	U
100027	4-Nitrophenol	830	U
132649	Dibenzofuran	330	U
121142	2,4-Dinitrotoluene	330	U

S 0104

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: SBLK(1/24)

Sample wt/vol: 30 (g/ml) G Lab File ID: C03341.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted:(Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84662	Diethylphthalate	330	U
86737	Fluorene	330	U
7005723	4-Chlorophenyl-phenylether	330	U
100016	4-Nitroaniline	830	U
534521	4,6-Dinitro-2-methylphenol	830	U
86306	N-Nitrosodiphenylamine	330	U
101553	4-Bromophenyl-phenylether	330	U
118741	Hexachlorobenzene	330	U
87865	Pentachlorophenol	830	U
85018	Phenanthrene	330	U
120127	Anthracene	330	U
86748	Carbazole	330	U
84742	Di-n-butylphthalate	330	U
206440	Fluoranthene	330	U
129000	Pyrene	330	U
85687	Butylbenzylphthalate	330	U
56553	Benzo[a]anthracene	330	U
91941	3,3'-Dichlorobenzidine	330	U
218019	Chrysene	330	U
117817	bis(2-Ethylhexyl)phthalate	330	U
117840	Di-n-octylphthalate	330	U
205992	Benzo[b]fluoranthene	330	U
207089	Benzo[k]fluoranthene	330	U
50328	Benzo[a]pyrene	330	U
193395	Indeno[1,2,3-cd]pyrene	330	U
53703	Dibenz[a,h]anthracene	330	U
191242	Benzo[g,h,i]perylene	330	U

S 0105

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK01

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Matrix: (soil/water) SOIL Lab Sample ID: SBLK(1/24)

Sample wt/vol: 30 (g/ml) G Lab File ID: C03341.D

Level: (low/med) LOW Date Received:

% Moisture: 0 decanted: (Y/N) N Date Extracted: 01/24/97

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/18/97

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Number TICs found: 8 A

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000141-79-7	3-Penten-2-one, 4-methyl-	3.62	550	JN A
2.		unknown	3.94	450	J
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	4.31	14000	JN A
4.		unknown	4.43	940	J
5.		unknown alkane	4.49	1200	J
6.		unknown alkane	4.59	1400	J

QA 2/19/97

S 0106

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	-22.0	B	14.6	U	14.6	U	14.6	U	-19.133	B	P
Antimony	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Arsenic	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	P
Barium	0.8	U	0.8	U	0.8	U	0.8	U	0.800	U	P
Beryllium	0.4	B	0.3	B	0.4	B	0.5	B	0.100	B	P
Cadmium	0.5	B	0.5	B	0.4	B	0.4	B	0.400	U	P
Calcium	28.7	U	28.7	U	28.7	U	28.7	U	28.700	U	P
Chromium	0.6	B	0.4	B	0.4	U	0.5	B	0.400	U	P
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	P
Copper	0.4	B	0.4	U	0.4	U	0.4	U	0.400	U	P
Iron	2.6	U	3.6	B	13.2	B	58.8	B	-6.033	B	P
Lead	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Magnesium	22.7	U	22.7	U	22.7	U	22.7	U	22.700	U	P
Manganese	0.5	B	0.5	B	0.4	B	0.5	B	0.300	U	P
Mercury	-0.1	B	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Potassium	49.0	B	43.1	U	43.1	U	43.1	U	63.867	B	P
Selenium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Silver	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	P
Sodium	9.3	U	9.3	U	9.3	U	9.3	U	83.667	B	P
Thallium	2.0	B	1.9	B	1.7	B	1.7	B	1.300	U	P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U	1.100	U	P
Zinc	0.7	B	0.6	U	0.6	U	1.0	B	3.133	B	P
Cyanide											

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			14.6	U					-5.213	B	P
Antimony			2.8	U					0.560	U	P
Arsenic			2.2	U					0.440	U	P
Barium			0.8	U					0.160	U	P
Beryllium			0.5	B					0.020	U	P
Cadmium			0.4	B					0.080	U	P
Calcium			28.7	U					5.740	U	P
Chromium			0.6	B					0.240	B	P
Cobalt			1.0	U					0.200	U	P
Copper			0.4	U					-0.100	B	P
Iron			4.7	B					-1.513	B	P
Lead			0.7	U					0.140	U	P
Magnesium			22.7	U					4.540	U	P
Manganese			0.6	B					0.060	U	P
Mercury			-0.1	B					0.050	U	CV
Nickel			1.6	U					0.320	U	P
Potassium			43.1	U					8.620	U	P
Selenium			1.7	U					0.340	U	P
Silver			0.5	U					0.100	U	P
Sodium			9.3	U					1.860	U	P
Thallium			1.7	B					0.260	U	P
Vanadium			1.1	U					0.220	U	P
Zinc			0.6	B					0.587	B	P
Cyanide											

H2M LABS, INC.

ENVIROFORMS/INORGANIC CLP

3
BLANKS

Lab Name: H2M LABS, INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: XX0122

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony	2.8	U	2.8	U	2.8	U	2.8	U			P
Arsenic	2.2	U	2.2	U	2.2	U	2.2	U			P
Barium											
Beryllium											
Cadmium	0.5	B	0.6	B	0.6	B	0.5	B			P
Calcium	28.7	U	46.0	B	28.7	U	46.6	B			P
Chromium	0.4	U	0.4	B	0.4	U	0.4	B			P
Cobalt											
Copper	-0.8	B	0.4	U	0.4	U	0.9	B			P
Iron	9.6	B	18.3	B	9.9	B	19.0	B			P
Lead	0.7	U	0.7	U	0.8	B	0.7	U			P
Magnesium	22.7	U	34.6	B	22.7	U	35.8	B			P
Manganese	0.3	B	0.5	B	0.4	B	0.4	B			P
Mercury											
Nickel											
Potassium											
Selenium	1.7	U	1.7	U	1.7	U	1.7	U			P
Silver	-1.2	B	0.5	U	0.5	U	0.7	B			P
Sodium											
Thallium	2.5	B	1.7	B	1.6	B	2.2	B			P
Vanadium	1.1	U	1.1	U	1.1	U	1.1	U			P
Zinc	0.6	U	0.6	U	0.6	U	0.9	B			P
Cyanide											

H2M LABS, INC.

10. INTERNAL STANDARD AREA DATA

10.1 VOLATILES

10.2 SEMIVOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05498.D Date Analyzed: 01/28/97

Instrument ID: 5970 Time Analyzed: 12:21

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	78170	10.95	306444	12.36	243567	17.63
	UPPER LIMIT	156340	10.45	612888	11.86	487134	17.13
	LOWER LIMIT	39085	11.45	153222	12.86	121784	18.13
	EPA SAMPLE NO.						
01	VBLK28	81220	10.97	314671	12.38	248528	17.64
02	B60222	71923	10.99	256802	12.41	208764	17.68

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05519.D Date Analyzed: 01/29/97

Instrument ID: 5970 Time Analyzed: 13:49

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	84715	11.05	357408	12.47	281348	17.73
	UPPER LIMIT	169430	10.55	714816	11.97	562696	17.23
	LOWER LIMIT	42358.	11.55	178704	12.97	140674	18.23
	EPA SAMPLE NO.						
01	VBLK29	80883	11.05	321665	12.46	254883	17.72
02	B60220	76995	11.03	286473	12.44	235900	17.70
03	B60221	75310	11.02	287337	12.43	237635	17.70
04	B60221DL	80616	11.04	301064	12.45	249975	17.72
05	B60222DL	74735	11.05	284111	12.47	229416	17.73

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

S 0112

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05537.D Date Analyzed: 01/30/97

Instrument ID: 5970 Time Analyzed: 12:11

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	65762	11.08	260179	12.49	211874	17.76
	UPPER LIMIT	131524	10.58	520358	11.99	423748	17.26
	LOWER LIMIT	32881	11.58	130090	12.99	105937	18.26
	EPA SAMPLE NO.						
01	VBLK30	68310	11.07	268160	12.49	224941	17.75
02	B60220DL	79675	11.08	303278	12.48	259232	17.74
03	TRIP BLANK	78478	11.07	285800	12.47	246038	17.76

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

S 0113

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID (Standard): P05461.D Date Analyzed: 01/24/97

Instrument ID: 5970 Time Analyzed: 10:19

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	109635	11.27	392211	12.68	313283	17.96
	UPPER LIMIT	219270	10.77	784422	12.18	626566	17.46
	LOWER LIMIT	54818	11.77	196106	13.18	156642	18.46
	EPA SAMPLE NO.						
01	VBLK24	115408	11.27	419490	12.69	342222	17.96
02	B60211	85132	11.23	268090	12.65	188631	17.94
03	B60212	95032	11.25	334315	12.65	271577	17.93
04	B60213	100394	11.25	341648	12.66	278985	17.94
05	B60215	95160	11.23	325463	12.65	252112	17.93
06	B60216	101595	11.23	356095	12.64	288427	17.94
07	B60217	104319	11.23	359980	12.64	293041	17.92

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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

S 0114

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05484.D Date Analyzed: 01/27/97

Instrument ID: 5970 Time Analyzed: 15:21

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	98034	11.26	366979	12.66	293533	17.95
	UPPER LIMIT	196068	10.76	733958	12.16	587066	17.45
	LOWER LIMIT	49017	11.76	183490	13.16	146767	18.45
	EPA SAMPLE NO.						
01	VBLK27	101911	11.26	382720	12.66	316692	17.95
02	B60211DL	107352	11.25	384576	12.67	311003	17.95
03	B60215DL	99827	11.26	354212	12.67	283989	17.95
04	B60218	89348	11.25	312093	12.66	253919	17.94

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Lab File ID (Standard): C03337.D Date Analyzed: 02/18/97

Instrument ID: H5972 Time Analyzed: 15:36

		IS1(DCB)		IS2(NAP)		IS3(ACE)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	126772	6.27	476773	8.29	245835	11.62
	UPPER LIMIT	253544	6.77	953546	8.79	491670	12.12
	LOWER LIMIT	63386	5.77	238387	7.79	122918	11.12
	EPA SAMPLE NO.						
01	SBLK01	111002	6.28	390720	8.29	192722	11.62
02	LFB(1/24)	106980	6.27	386238	8.29	194411	11.62
03	B60214	109542	6.28	414565	8.29	214177	11.62

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NAP) = Naphthalene-d8
IS3 (ACE) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CHY) = 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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

S 0116

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0122

Lab File ID (Standard): C03337.D Date Analyzed: 02/18/97

Instrument ID: H5972 Time Analyzed: 15:36

		IS4(PHN) AREA #	IS4(PHN) RT #	IS5(CHY) AREA #	IS5(CHY) RT #	IS6(PRY) AREA #	IS6(PRY) RT #
	12 HOUR STD	375423	14.01	337005	16.69	381441	18.46
	UPPER LIMIT	750846	14.51	674010	17.19	762882	18.96
	LOWER LIMIT	187712	13.51	168503	16.19	190721	17.96
	EPA SAMPLE NO.						
01	SBLK01	316487	14.01	289167	16.69	294705	18.45
02	LFB(1/24)	328469	14.01	278118	16.69	308321	18.45
03	B60214	326914	14.01	240612	16.68	281452	18.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NAP) = Naphthalene-d8
IS3 (ACE) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CHY) = 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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

S 0117

A6SP-01
Soils
B60201 to B60210

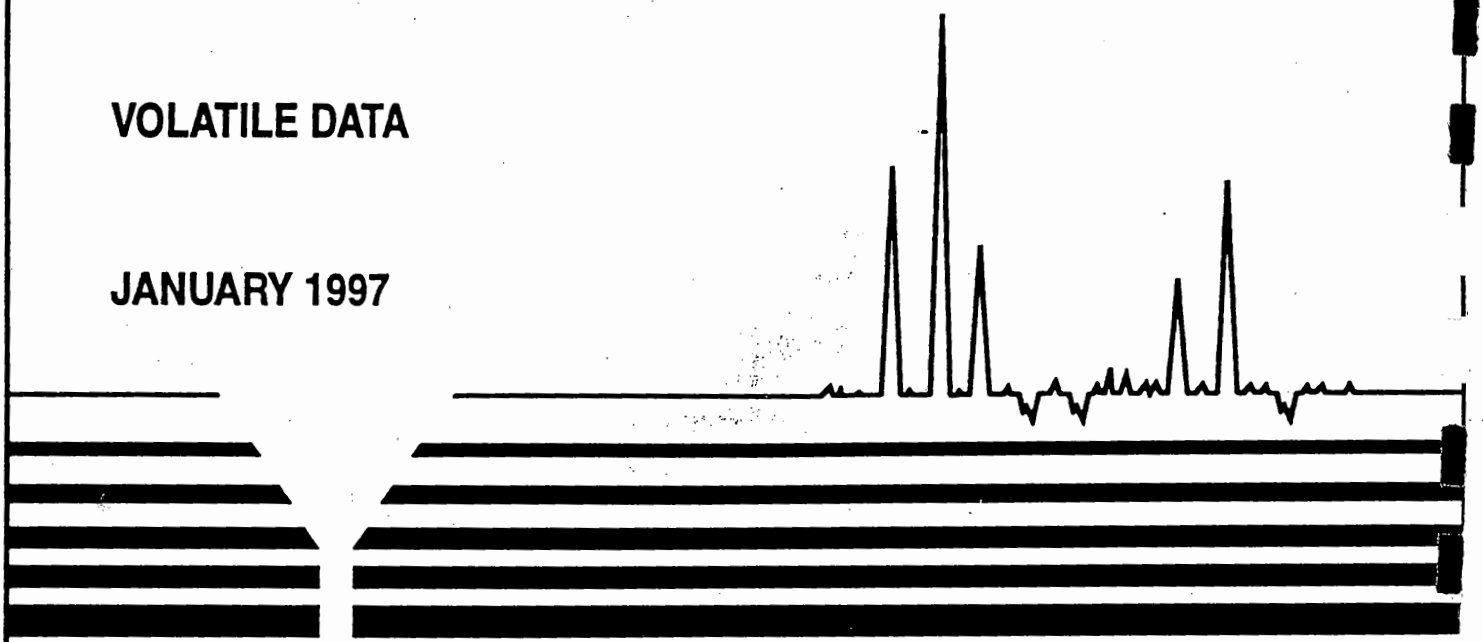
Analytical Data Package For

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
REGION 1
CONTRACT #: C003180
CASE #: RA096 SDG #: 0121

SOIL SAMPLES
RECEIVED: 1/23/97

VOLATILE DATA

JANUARY 1997



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

ANALYTICAL DATA PACKAGE

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 1
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CASE: RA096
SDG NO.: 0121
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SAMPLES RECEIVED: 1/23/97

I. NYS DEC SUMMARY FORMS

II. CASE NARRATIVES

III. CONTRACT LAB SAMPLE INFORMATION SHEET

IV. CHAIN OF CUSTODY DOCUMENTATION

V. ANALYTICAL DATA PACKAGES

VI. CSF PURGE PACKAGE (BTSR ONLY)

DATA PACKAGE FOR CLIENT INFORMATION
PURPOSES ONLY

I. NYS DEC SUMMARY FORMS

H2M LABS, INC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY
NYS DEC
CONTRACT NO.: C003180
CASE NO.: RA096
SDG NO: 0121
SAMPLES RECEIVED: 1/23/97

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS	*BNA GC/MS	*PEST PCBs	*HERB	*METALS	OTHER
RA096-0121-B60201	9702015	X					
RA096-0121-B60202	9702016	X					
RA096-0121-B60203	9702017	X					
RA096-0121-B60204	9702018	X					
RA096-0121-B60205	9702019	X					
RA096-0121-B60206	9702020	X					
RA096-0121-B60207	9702021	X					
RA096-0121-B60208	9702022	X					
RA096-0121-B60209	9702023	X					
RA096-0121-B60210	9702024	X					

* Check Appropriate Boxes
* (CLP) Non-CLP (Please indicate year of protocol) 9/93 Rev
* (TCL)/TAL, HSL,

A 0093

VOLATILE SAMPLE ANALYSIS SUMMARY

SDG: 0121

SAMPLE ID	MATRIX	PROT-OCOL	LEVEL	DIL. FACT.	DATE COLLECTED	DATE RECEIVED	DATE ANALYZED
B60250 201	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60201MS	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60201MSD	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60202	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60203	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60204	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60205 RE	SOIL	CLP	LOW	1	1/21/97	1/23/97	2/5/97
B60206	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60207	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60208	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60209	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60210	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97
B60205	SOIL	CLP	LOW	1	1/21/97	1/23/97	1/24/97

Page 4 of 6

2/10/97

A 0004

II. CASE NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILES
CONTRACT C003180
CASE: RA096
SDG: 0121
SAMPLES RECEIVED: 1/23/97

For Samples:		
	B60201 MS/MSD	B60206
	B60202	B60207
	B60203	B60208
	B60204	B60209
	B60205	B60210

The above samples were analyzed according to the requirements of the NYSDEC ASP method 91-1 for the TCL volatile organic analytes.

Sample B60205 was originally analyzed on January 24, 1997 but was unable to be reported due to a corrupt data file. The chromatogram and quant report are included. The sample was reanalyzed on February 5, 1997 and is reported.

All quality control and calibration requirements were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: February 10, 1997

****
* *
* *
****

Joann M. Slavin
Quality Assurance Manager

JMS\brf
S:\Labshare\VOA0121.doc

H2M LABS, INC.

III. CONTRACT LAB SAMPLE INFORMATION SHEET

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED:
BOUND CSF
OF CASE: RA096 SDG: 0121
INIT MTS DATE 2-10-97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240 GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
JG Jones	516-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H2M	Nassau	1-21-97	10:30

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0121	B60201	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week.

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of Inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0098

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
BOUND CSF OF CASE. RA096 SDG: 0121
INIT MTS DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 In Water
- ☐ 33. Metals—23 InSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

TAT 1/24/97

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals O...,
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☒ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J G Jones	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H_2M	Nassau	1-21-97	10:50

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0121	B60202	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

A 0009

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
Bound CSF
CF CASE: RA096 SDG: 10121
INIT NTS DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. G. Jacey	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H_2M	Nassau	1/21/97	11:10

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA-096	OV121	B6O12OB	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0010

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
BOUND CSF OF CASE: RA096 SDG: 0121
INIT MTS DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
JG Jones	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H,M	Nass...	1/21/97	11:25

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 1 9 6	0 1 2 1	B 6 0 2 0 4	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0011

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
ROUND CSF
CC CASE: RA096 SDG: 0121
INIT YMS DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
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- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
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- ☐ 64. Total Solids
- ☐ 62. CBOD
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CONTRACT LABORATORY PROTOCOLS

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- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240 GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. G Tracy	TELEPHONE NUMBER: 518-457-1701	REGION NO: 1
CONTRACT LAB: H2M	COUNTY:	SAMPLING DATE: 1-21-97
		MILITARY TIME: 11:47

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
21016	01121	B10205	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

A 0012

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
BOUND CSF OF CASE: RA096 SDG: 0121
INIT: MTS DATE: 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J Jones	TELEPHONE NUMBER: 518 457-1708	REGION NO:
CONTRACT LAB: H2M	COUNTY: Nassau	SAMPLING DATE: 1/21/97	MILITARY TIME: 12:15

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096		BC0206	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0013

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
BOUND CSF
OF CASE: RA096 SDG: 0121
INIT MTB DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 In Water
- ☐ 33. Metals—23 InSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. C. Jones	TELEPHONE NUMBER: 518-457-1706		REGION NO: 1
CONTRACT LAB: 11217	COUNTY: Nassau	SAMPLING DATE: 1-21-97	MILITARY TIME: 13:30

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	CLRV1	BLK20N	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0014

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED:
BOUND CSF
OF CASE: RA096 SDG: 0121
INIT NTS DATE 2-10-97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other ~~X~~ B

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. [illegible]	TELEPHONE NUMBER: 516 [illegible] 1707	REGION NO: 1
CONTRACT LAB: H[illegible]	COUNTY: N[illegible]	SAMPLING DATE: 1/11/97	MILITARY TIME: 1355

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0121	B6K2D4	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0015

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED:
BOUND CSF
OF CASE: RA096 SDG: 0121
INIT NTS DATE 2-10-97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240 GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. C. Jones	TELEPHONE NUMBER: 518-457-1708	REGION NO: 1
CONTRACT LAB: H&M	COUNTY: Nassau	SAMPLING DATE: 1-21-97 / MILITARY TIME: 1415

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0121	B16210	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

A 0016

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED:
BOUND CSF OF CASE: RA096 — SDG 0121
INIT TTS DATE 2-10-97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water-Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 9. BOD
- ☐ 12. Settleable Solids
- ☐ 16. Nitrate/Nitrite
- ☐ 19. Oil/Grease
- ☐ 22. Other _____
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 5. Cyanide
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 11. COD
- ☐ 14. TKN
- ☐ 17. Total Phosphorus
- ☐ 20. TOC
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 62. CBOD
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☒ 9. BOD
- ☑ 12. TSS
- ☐ 15. Ammonia
- ☐ 18. Phenolic Compounds
- ☐ 21. Total Phenols
- ☐ 60. PCB's Screening method
- ☐ 61. Total Solids
- ☐ 65. Volatiles (USEPA 624.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 28. Cyanide—Water
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 35. Other _____
- ☐ 29. (ALL)—Soil/Sediments—Includes 30-34
- ☐ 30. B/N/A—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 67. Dioxin-Soil Sediment (ASP #89-4)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01
- ☐ 50. RSSR-01
- ☐ 51. RSGR-01
- ☐ 52. RSRB-01
- ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01
- ☐ 55. RSSB-01
- ☐ 56. RSRR-01
- ☐ 57. RSRR-02
- ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J & Jan	518 - 457 - 1706	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H2M	Nassau	1/21/97	1545

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
	0121	BC0210	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0017

IV. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 694-3040
FAX: 516-694-4122

№ 6408

EXTERNAL CHAIN OF CUSTODY

0121

PROJ. NO.	PROJECT NAME
RA096	Atlas Graphics

SAMPLERS: (Signature)/Client
J. G Jones · NYSDEC

DELIVERABLES:
ASP-70

Refrigerator #

SAMPLE CONTAINER DESCRIPTION →

TOTAL NO. OF CONTAINERS ↓

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	TOTAL NO. OF CONTAINERS	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. No.	REMARKS
1/21/97	10:30	soil	B60201 5-7'	1	1					9702015	A6SP-01
1/21/97	10:35	soil	B60202 10-12'								
1/21/97	11:00	soil	B60203 15-17'								
1/21/97	11:25	soil	B60204 20-22'								
1/21/97	11:45	soil	B60205 25-27'								
1/21/97	12:05	soil	B60206 30-32'								
1/21/97	12:30	soil	B60207 35-37'								
1/21/97	13:55	soil	B60208 40-42'								
1/21/97	14:45	soil	B60209 45-47'								
1/21/97	15:45	soil	B60210 10-12'	10						9702024	A6SP-02

NOTES: Soil

COPY
ORIGINAL LOCATED:
BOUND CSF OF CASE RA096 SDG: 0121
INIT NTS DATE 2-10-97

Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
J. G Jones	1/23/97	10:15			
Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Relinquished by: (Signature)	Date	time	Received for Laboratory by: (Signature)	Date	time
				1/23/97	10:15

PROJECT CONTACT:

PHONE NUMBER:

Discrepancies Between Sample Labels and COC Record? Y or (N)
NOTES:

LABORATORY USE ONLY

Samples were:
1) Shipped ___ or Hand Delivered ✓
Airbill # 946
2) Ambient or Chilled
3) Recieved in Good Condition (Y) or N
4) Properly Preserved (Y) or N
5) Samples returned to lab. ___ hours from Collection

COC Tape was:
1) Present on Outer Package Y or (N)
2) Unbroken on Outer Package Y or (N)
3) COC Record Present and Complete Upon Sample Rec't. (Y) or N

ORIGINAL COPY

A 0019

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECB TAJ 1-24 DELIVERABLES: ~~AS~~ AC70 TURN AROUND TIME: Stnd

SDG #: 0121 CASE #: RA096 (10124) MATRIX: SO pH CHECK Y or N

REMARKS:

RECEIVED BY: TAJ SIGNATURE [signature] DATE 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	TAJ 1-23-97 ~~2~~ B60201	9702015	1-21-97	A	1	PUTCL, TS
2	B60202	016				
3	B60203	017				
4	B60204	018				
5	B60205	019				
6	B60206	020				
7	B60207	021				
8	B60208	022				
9	B60209	023				
10	B60210	024				
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

TAJ 1-23-97

COPY
ORIGINAL LOCATED:
BOUND INTV CCC # 115
INIT MTS DATE 2-10-97

P 0013

A 0020

H2M LABS, INC.

CLIENT: NDEP TAJ 11/24/97

SDG #: 0121

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN Borlucchi	All A	analysis	
1/27/97	1200	SIGN Borlucchi	SIGN	All A	T.S. analysis	
1/27/97	1300	SIGN	SIGN Borlucchi	All A	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			

COPY
ORIGINAL LOCATED:
FOUND INTL CORP FILES
INIT TTS DATE 2-10-97

P 0014

A 0021

V. ANALYTICAL DATA PACKAGES:

A. VOLATILES

H2M LABS, INC.

RA096
0121

VOLATILE ORGANICS

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H2M LABS, INC.

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A. SYSTEM MONITORING COMPOUND RECOVERY FORM
B. MSB FORM
C. MS/MSD FORM
D. METHOD BLANK FORM
E. GC/MS TUNING FORM
F. INTERNAL STANDARD AREA AND RT SUMMARY
G. INSTRUMENT DETECTION LIMITS

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK01	105	98	99	0
02	MSB24	108	97	101	0
03	B60201	106	97	102	0
04	B60201MS	111	98	104	0
05	B60201MSD	110	97	101	0
06	B60202	110	97	105	0
07	B60203	111	98	104	0
08	B60204	110	97	103	0
09	B60206	107	99	99	0
10	B60207	111	95	101	0
11	B60208	116	95	104	0
12	B60209	112	95	103	0
13	B60210	112	96	103	0
14	VBLK02	105	101	100	0
15	B60205	106	101	102	0

				QC LIMITS
SMC1	(DCE)	=	1,2-Dichloroethane-d4	(70-121)
SMC2	(TOL)	=	Toluene-d8	(84-138)
SMC3	(BFB)	=	Bromofluorobenzene	(59-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A

SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: H2M LABS, INC Contract: NYSDEC

Lab Code: 10478 Case No.: RA096 SDG No.: ##

Matrix Spike - EPA Sample No.: MSB2 SAS No.: ____

COMPOUND	SPIKE ADDED UG/KG	MS CONCENTRATION UG/KG	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	50	42	84		(61-145)
Trichloroethene	50	45	90		(71-120)
Benzene	50	45	90		(76-127)
Toluene	50	43	86		(76-125)
Chlorobenzene	50	44	88		(75-130)

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 10 outside limits

Comments: _____

_____

3/90

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix Spike - EPA Sample No.: B60201 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	52	0.0	44	85	59 - 172
Trichloroethene	52	0.0	47	90	62 - 137
Benzene	52	0.0	47	90	66 - 142
Toluene	52	0.0	46	88	59 - 139
Chlorobenzene	52	0.0	46	88	60 - 133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	52	40	77	10	22	59 - 172
Trichloroethene	52	44	85	6	24	62 - 137
Benzene	52	43	83	8	21	66 - 142
Toluene	52	42	81	8	21	59 - 139
Chlorobenzene	52	43	83	6	21	60 - 133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

V 0005

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID: P05462.D Lab Sample ID: VBLK24

Date Analyzed: 01/24/97 Time Analyzed: 10:59

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: H5970-3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB24	MSB24	P05463.D	11:30
02	B60201	9702015	P05464.D	12:07
03	B60201MS	9702015MS	P05465.D	12:38
04	B60201MSD	9702015MSD	P05466.D	13:09
05	B60202	9702016	P05467.D	13:40
06	B60203	9702017	P05468.D	14:10
07	B60204	9702018	P05469.D	14:41
08	B60206	9702020	P05471.D	15:43
09	B60207	9702021	P05472.D	16:14
10	B60208	9702022	P05473.D	16:45
11	B60209	9702023	P05474.D	17:16
12	B60210	9702024	P05475.D	17:47

COMMENTS:

V 0006

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID: P05559.D Lab Sample ID: VBLK5

Date Analyzed: 02/05/97 Time Analyzed: 13:36

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: H5970-3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60205	9702019	P05560.D	14:15

COMMENTS:

V 0007

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID: P05319.D BFB Injection Date: 12/31/96

Instrument ID: H5970-3 BFB Injection Time: 09:05

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	52.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.5 (8.0)1
176	95.0 - 101.0% of mass 174	68.0 (98.2)1
177	5.0 - 9.0% of mass 176	4.7 (6.9)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	VSTD010	VSTD010	P05325.D	12/31/96	13:23
02	VSTD020	VSTD020	P05326.D	12/31/96	13:54
03	VSTD050	VSTD050	P05327.D	12/31/96	14:25
04	VSTD100	VSTD100	P05328.D	12/31/96	14:56
05	VSTD200	VSTD200	P05329.D	12/31/96	15:27

V 0005

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID: P05460.D BFB Injection Date: 01/24/97

Instrument ID: H5970-3 BFB Injection Time: 09:11

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	55.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	68.3
175	5.0 - 9.0% of mass 174	5.0 (7.4)1
176	95.0 - 101.0% of mass 174	68.5 (100.3)1
177	5.0 - 9.0% of mass 176	4.7 (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	VSTD050	VSTD050	P05461.D	01/24/97	10:19
02	VBLK01	VBLK24	P05462.D	01/24/97	10:59
03	MSB24	MSB24	P05463.D	01/24/97	11:30
04	B60201	9702015	P05464.D	01/24/97	12:07
05	B60201MS	9702015MS	P05465.D	01/24/97	12:38
06	B60201MSD	9702015MSD	P05466.D	01/24/97	13:09
07	B60202	9702016	P05467.D	01/24/97	13:40
08	B60203	9702017	P05468.D	01/24/97	14:10
09	B60204	9702018	P05469.D	01/24/97	14:41
10	B60206	9702020	P05471.D	01/24/97	15:43
11	B60207	9702021	P05472.D	01/24/97	16:14
12	B60208	9702022	P05473.D	01/24/97	16:45
13	B60209	9702023	P05474.D	01/24/97	17:16
14	B60210	9702024	P05475.D	01/24/97	17:47

V 0003

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID: P05557.D BFB Injection Date: 02/05/97

Instrument ID: H5970-3 BFB Injection Time: 10:17

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.0
75	30.0 - 60.0% of mass 95	56.9
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 - 120.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	4.5 (6.4)1
176	95.0 - 101.0% of mass 174	69.9 (100.6)1
177	5.0 - 9.0% of mass 176	4.4 (6.3)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	VSTD050	VSTD050	P05558.D	02/05/97	12:13
02	VBLK02	VBLK5	P05559.D	02/05/97	13:36
03	B60205	9702019	P05560.D	02/05/97	14:15

V 0010

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Lab File ID (Standard): P05461.D Date Analyzed: 01/24/97

Instrument ID: H5970-3 Time Analyzed: 10:19

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	109635	11.27	392211	12.68	313283	17.96
	UPPER LIMIT	219270	10.77	784422	12.18	626566	17.46
	LOWER LIMIT	54818	11.77	196106	13.18	156642	18.46
	EPA SAMPLE NO.						
01	VBLK01	115408	11.27	419490	12.69	342222	17.96
02	MSB24	104224	11.26	361170	12.66	298071	17.94
03	B60201	104264	11.25	377690	12.66	306665	17.95
04	B60201MS	111163	11.23	398281	12.65	323361	17.94
05	B60201MSD	110890	11.23	389106	12.64	320404	17.92
06	B60202	112925	11.22	384069	12.63	313308	17.93
07	B60203	97905	11.23	333988	12.64	275780	17.92
08	B60204	105098	11.23	365332	12.65	300127	17.94
09	B60206	91235	11.23	339060	12.64	273376	17.93
10	B60207	95043	11.23	327037	12.64	275102	17.93
11	B60208	79254	11.25	281408	12.66	238511	17.95
12	B60209	93603	11.24	324434	12.65	267940	17.94
13	B60210	101427	11.24	339721	12.64	281026	17.94

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

V 0011

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Lab File ID (Standard): P05558.D Date Analyzed: 02/05/97

Instrument ID: H5970-3 Time Analyzed: 12:13

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	86431	11.08	323663	12.49	276170	17.76
UPPER LIMIT	172862	10.58	647326	11.99	552340	17.26
LOWER LIMIT	43216	11.58	161832	12.99	138085	18.26
EPA SAMPLE NO.						
01 VBLK02	86247	11.08	320778	12.50	275417	17.76
02 B60205	92704	11.09	341281	12.49	295649	17.76

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

V 0012

VOLATILES INSTRUMENT DETECTION LIMIT STUDY

SPIKE AMOUNT: 5 ppb INSTRUMENT ID: H5970-3 DATE ANALYZED: 09/06/96

COMPOUND	P04422.D	P04423.D	P04424.D	P04425.D	P04426.D	P04427.D	P04428.D	P04429.D	S	IDL (ng)	CRDL
Chloromethane	8.37	7.03	7.29	6.80	7.50	6.14	5.90	5.97	0.86	13	50 ng
Vinyl Chloride	6.50	5.35	5.74	5.12	5.71	4.88	4.79	4.54	0.64	10	50 ng
Bromomethane	5.56	4.79	5.18	4.81	4.77	4.48	3.97	4.01	0.54	8	50 ng
Chloroethane	6.52	5.46	5.23	5.45	5.67	5.62	4.76	4.67	0.58	9	50 ng
1,1-Dichloroethene	4.94	4.22	4.51	4.38	4.28	3.99	3.56	3.64	0.45	7	50 ng
Carbon Disulfide	5.23	4.84	4.94	4.87	4.90	4.62	4.56	4.12	0.33	5	50 ng
Acetone		2.45	2.57	3.47	2.41	2.10	2.17	3.23	0.52	8	50 ng
Methylene Chloride	6.47	6.03	6.03	6.04	6.09	5.92	5.17	5.77	0.37	6	50 ng
trans-1,2-Dichloroethene	4.41	4.18	4.30	4.05	4.05	3.88	3.93	3.58	0.26	4	50 ng
cis-,1,2-Dichloroethene	4.82	4.16	4.43	4.31	4.20	4.07	3.63	3.62	0.40	6	50 ng
1,2-Dichloroethene (total)	9.80	8.83	9.14	8.87	9.02	8.37	7.98	7.67	0.68	10	50 ng
1,1-Dichloroethane	4.94	4.41	4.69	4.59	4.35	4.20	4.04	3.71	0.39	6	50 ng
Chloroform	4.81	4.31	4.63	4.57	4.46	4.35	3.99	3.82	0.33	5	50 ng
1,2-Dichloroethane	4.11	4.06	4.11	4.36	3.84	4.09	3.86	3.63	0.22	3	50 ng
2-Butanone	3.68	2.15	1.93	1.00	2.16	2.10	1.95	1.52	0.76	11	50 ng
1,1,1-Trichloroethane		4.31	4.60	4.83	4.52	4.37	3.98	3.74	0.37	6	50 ng
Carbon Tetrachloride	4.69	4.34	4.59	4.50	4.52	4.40	3.98	3.71	0.33	5	50 ng
Trichloroethene	4.95	4.45	4.69	4.54	4.42	5.00	3.94	3.69	0.46	7	50 ng
Benzene	5.17	4.54	4.76	4.76	4.32	4.46	3.88	3.90	0.44	7	50 ng
1,2-Dichloropropane	4.93	4.72	4.55	4.87	4.39	4.63	4.32	3.93	0.33	5	50 ng
Bromodichloromethane	4.21	3.92	4.20	4.39	3.83	4.14	3.88	3.59	0.26	4	50 ng
cis-1,3-Dichloropropene	4.22	3.86	3.92	3.98	3.42	3.77	3.62	3.30	0.30	5	50 ng
trans-1,3-Dichloropropene	3.70	3.61	3.49	3.59	3.17	3.58	3.30	3.12	0.22	3	50 ng
1,1,2-Trichloroethane	3.90	3.87	3.79	4.00	3.56	3.85	3.77	3.31	0.22	3	50 ng
Dibromochloromethane	3.74	3.64	3.87	3.98	3.45	3.73	3.52	3.14	0.27	4	50 ng
Bromoform	3.68	3.70	3.85	4.17	3.48	3.85	3.69	3.00	0.34	5	50 ng
4-Methyl-2-Pentanone	2.79	2.76	2.65	2.84	1.99	2.75	2.53	2.42	0.28	4	50 ng
Toluene	4.98	4.31	4.53	4.32	4.15	4.14	4.06	3.74	0.37	6	50 ng
Tetrachloroethene	6.57	4.94	5.36	4.99	4.70	4.73	4.79	4.19	0.70	11	50 ng
2-Hexanone	1.66	1.34	1.66	1.61	1.62	1.82	1.13	1.72	0.23	3	50 ng
Chlorobenzene	4.83	4.32	4.51	4.51	4.14	4.21	4.30	3.64	0.35	5	50 ng
Ethylbenzene	4.84	4.38	4.59	4.44	4.40	4.20	4.01	3.59	0.38	6	50 ng
Xylene (total)	4.54	4.22	4.29	4.23	4.08	3.83	3.98	3.19	0.41	6	50 ng
Styrene	4.41	3.89	4.15	4.12	3.78	3.71	3.64	3.12	0.39	6	50 ng
m/p-Xylene	11.28	9.83	10.36	10.04	9.86	9.39	9.36	7.68	1.03	15	50 ng
1,1,2,2-Tetrachloroethane	3.78	3.96	3.78	4.21	3.41	1.75	3.98	2.93	0.80	12	50 ng

II. SAMPLE DATA PACKAGE FOR VOLATILE ORGANICS

A. REPORTS
B. RAW DATA

H2M LABS, INC.

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to

$$\frac{(330\ U) \times df}{D} \quad \text{where } D = \frac{100 - \%\ \text{moisture}}{100}$$

and df = dilution factor

For example, at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(330\ U) \times 10}{.76} = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory-defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g., a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceeds 200 ug/l or the peak representing the two coeluting isomers on that GC column exceeds 400 ug/l. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceeds 400 ug/l.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The Laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60201

A6SP-01 (5-7')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702015

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05464.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

V 0017

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60201

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702015

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05464.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.71	6	JN

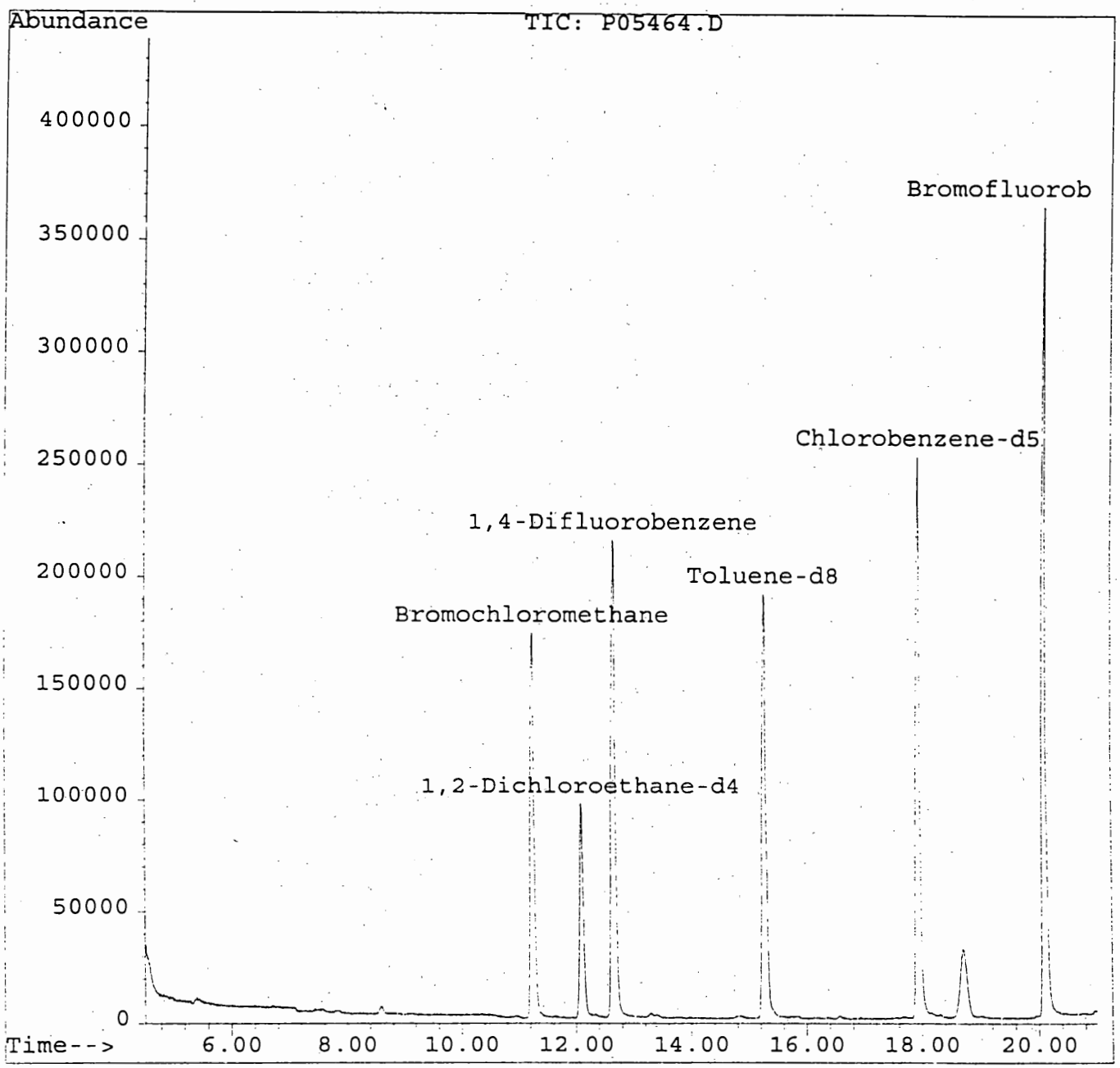
V 0015

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05464.D
Acq On : 24 Jan 97 12:07 pm
Sample : 9702015
Misc : B60201 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:55 1997

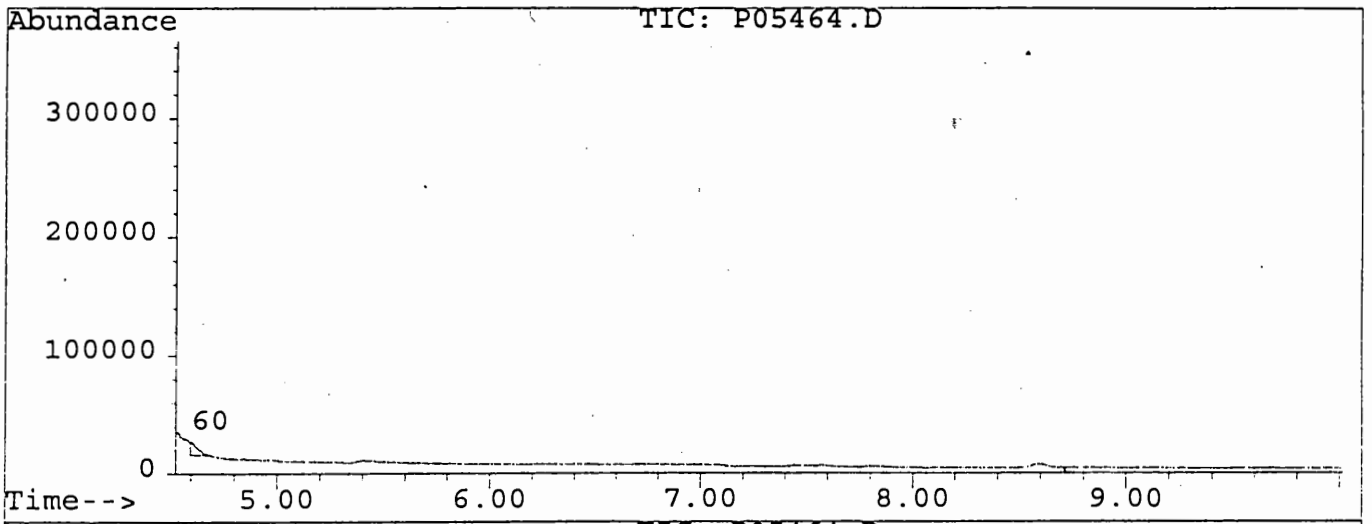
Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

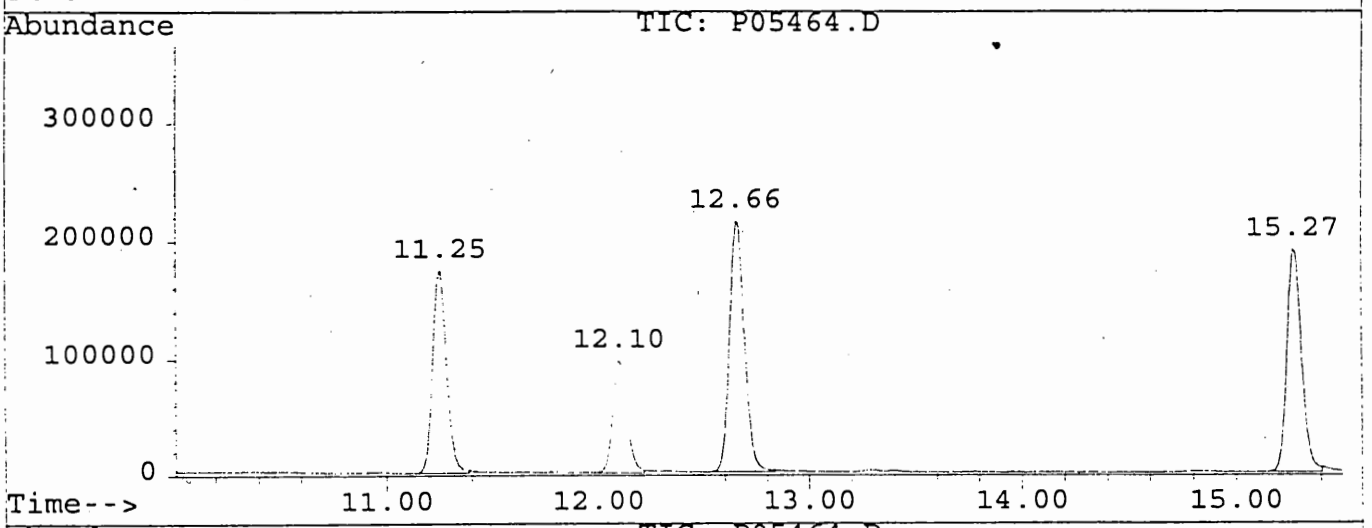
Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration

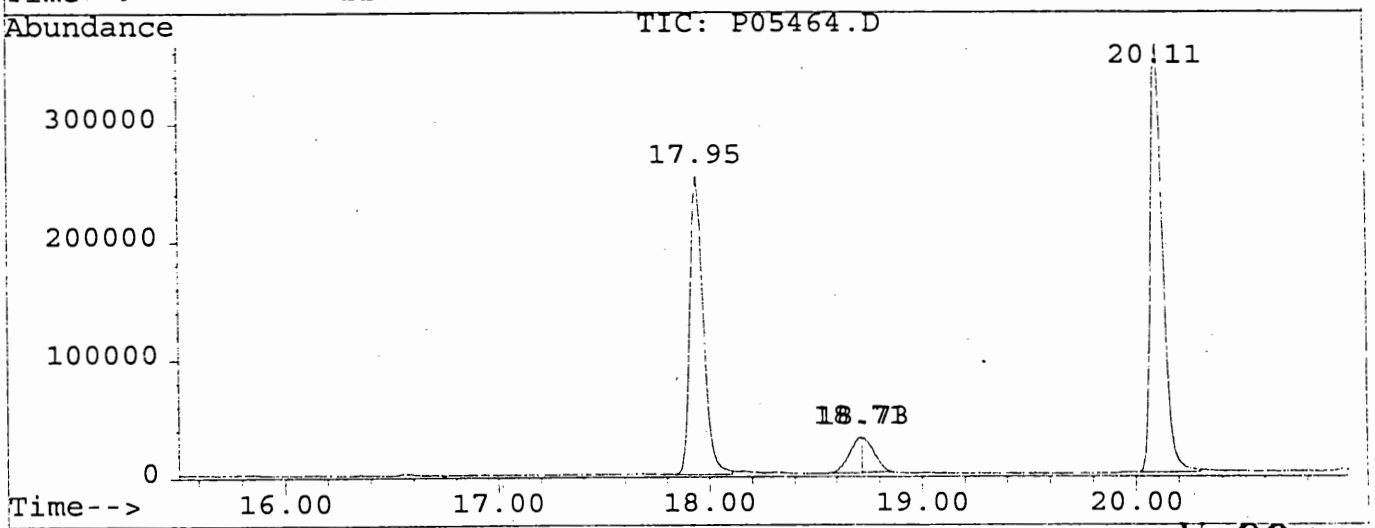


V 0013

File : C:\HPCHEM\1\DATA\P05464.D
Operator : GLENN
Acquired : 24 Jan 97 12:07 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702015
Misc Info : B60201 H5970-3 1/24/97 5.0G
Vial Number: 4







V 0020

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05464.D
Acq On : 24 Jan 97 12:07
Sample : 9702015
Misc : B60201 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:55 1997

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	104264	50.00	UG/L	-0.02
21) 1,4-Difluorobenzene	12.66	114	377690	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.95	117	306665	50.00	UG/L	-0.01
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.10	65	167052	53.17	UG/L	106.34%
34) Toluene-d8	15.27	98	309057	48.60	UG/L	97.21%
43) Bromofluorobenzene	20.11	95	295062	50.80	UG/L	101.60%
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration V 00: 1

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 24 Jan 97 12:07
Data File: C:\HPCHEM\1\DATA\P05464.D
Name: 9702015
Misc: B60201 H5970-3 1/24/97 5.0G
Method: CLPS
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Cyclotetrasiloxane,	18.71	5.5	UG/L	121945	ISTD03	17.95	1108458	50.0

V 0022

Library Search Compound Report

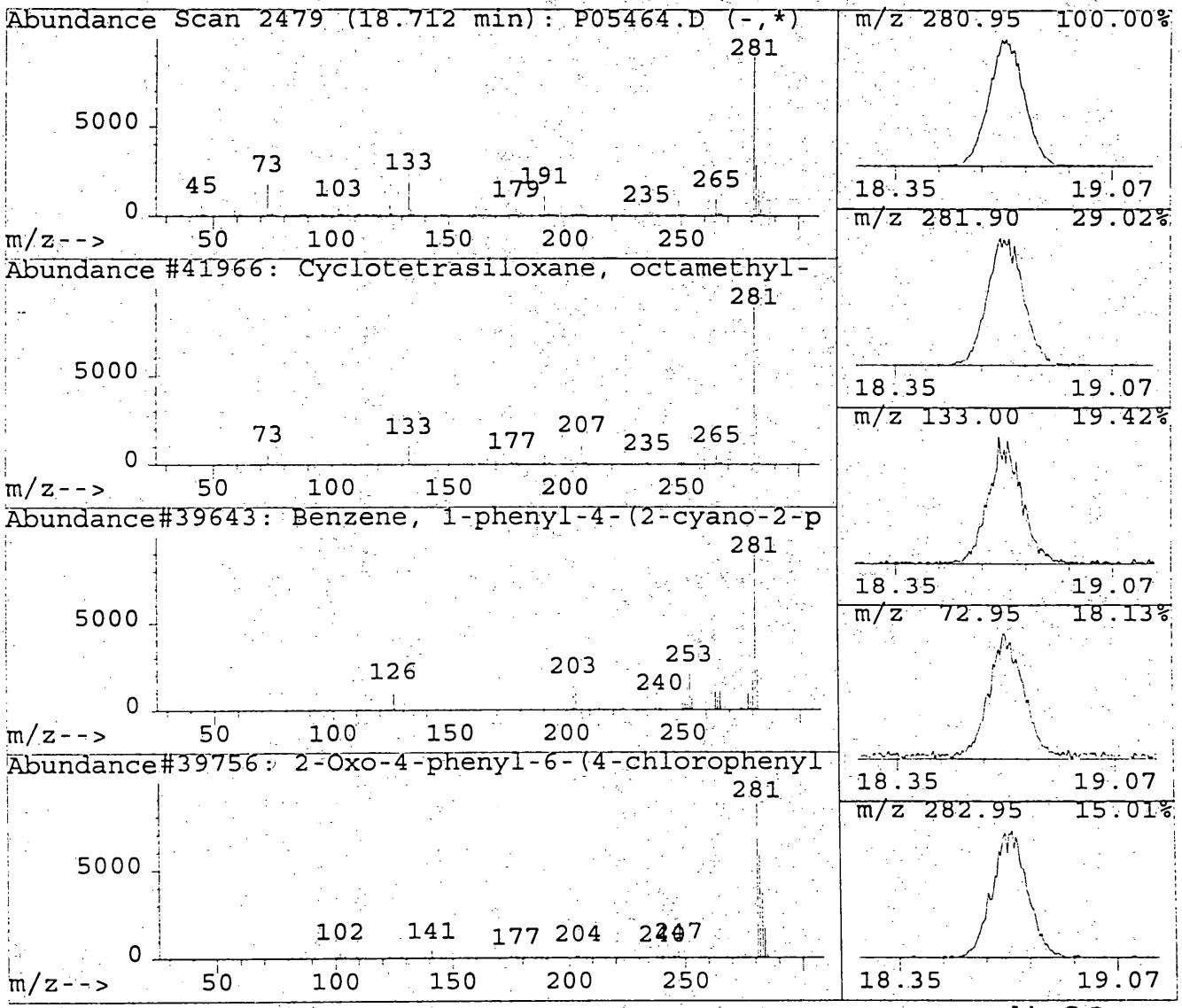
Data File : C:\HPCHEM\1\DATA\P05464.D
Acq On : 24 Jan 97 12:07
Sample : 9702015
Misc : B60201 H5970-3 1/24/97 5.0G

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.71	5.50 UG/L	121945	Chlorobenzene-d5	17.95

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	59
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	25
3	2-Oxo-4-phenyl-6-(4-chlorophenyl)-1	282	C16H11ClN2O	000000-00-0	9
4	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9



V 0023

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60202

A6SP-01 (10-12')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702016

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05467.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60202

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702016

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05467.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

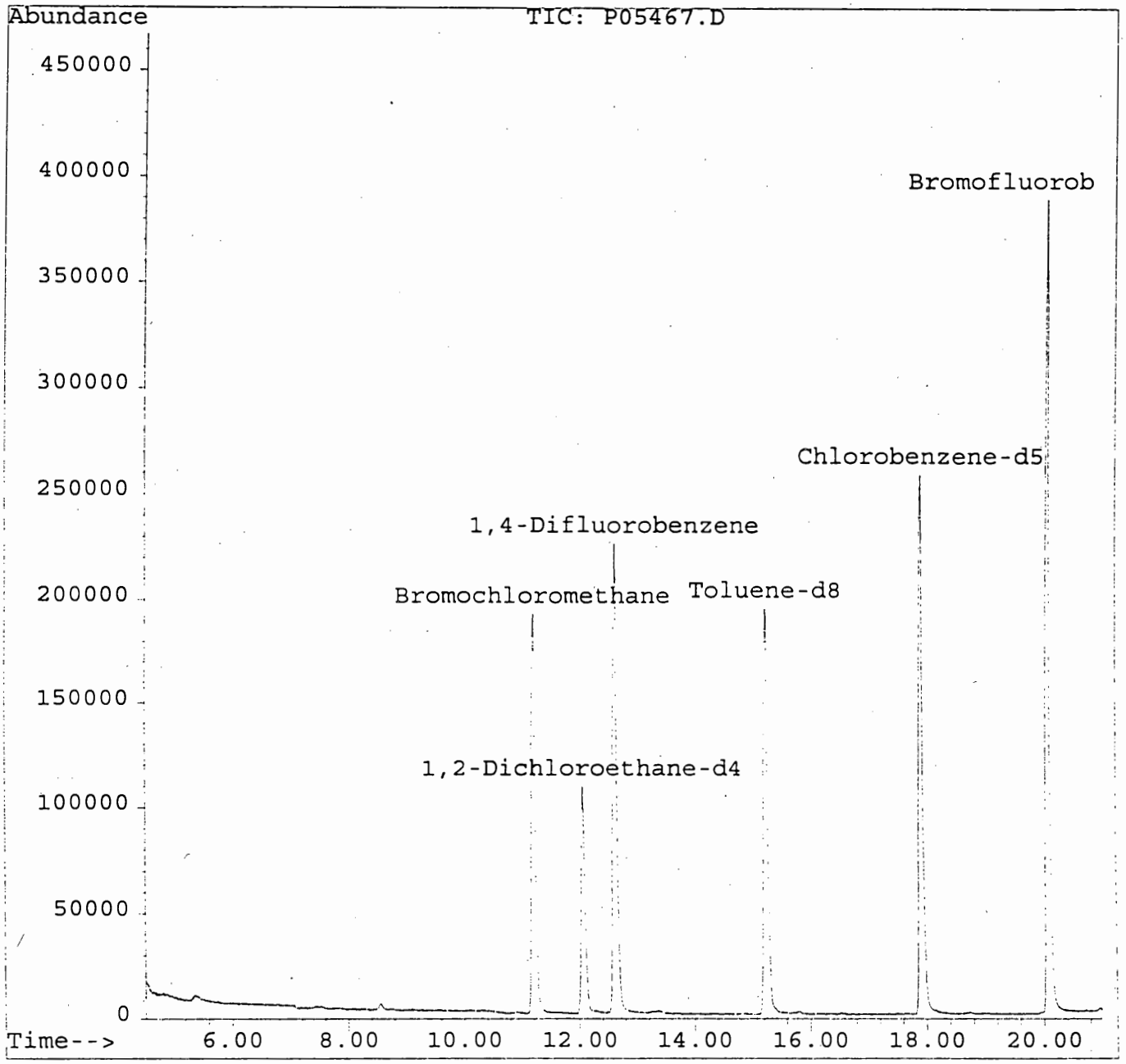
V 00225

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05467.D
Acq On : 24 Jan 97 1:40 pm
Sample : 9702016
Misc : B60202 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:57 1997

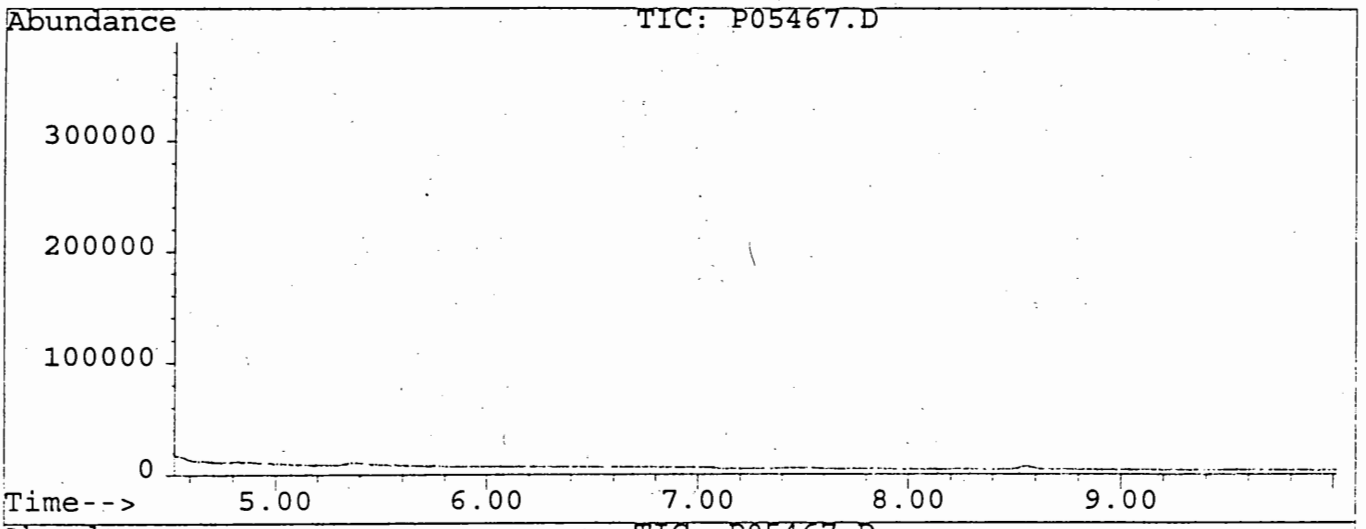
Vial: 7
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

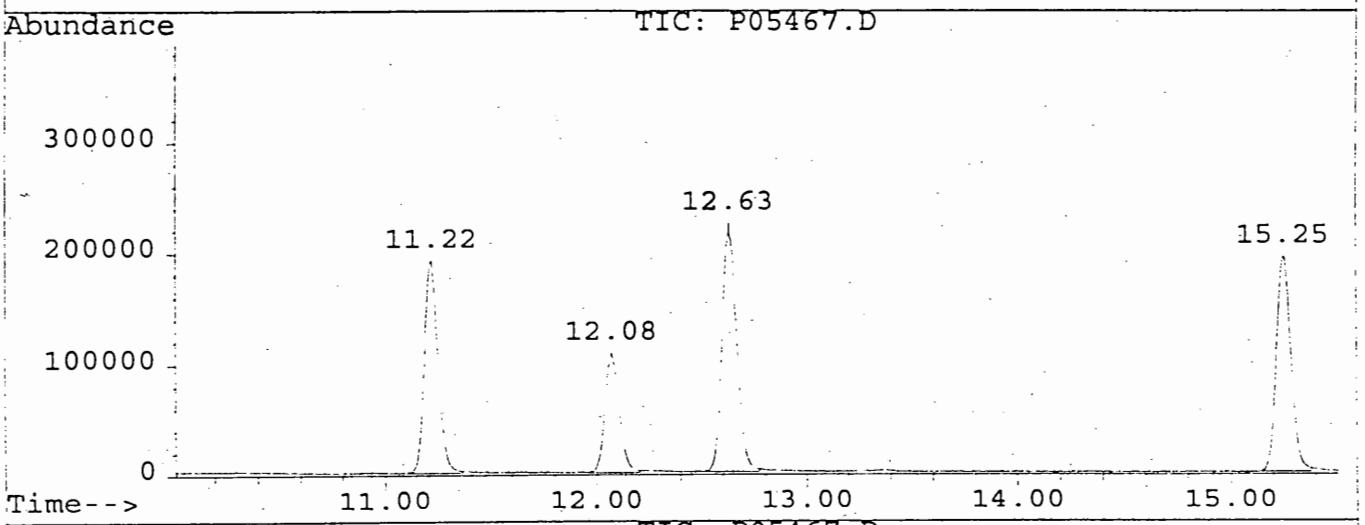
Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration

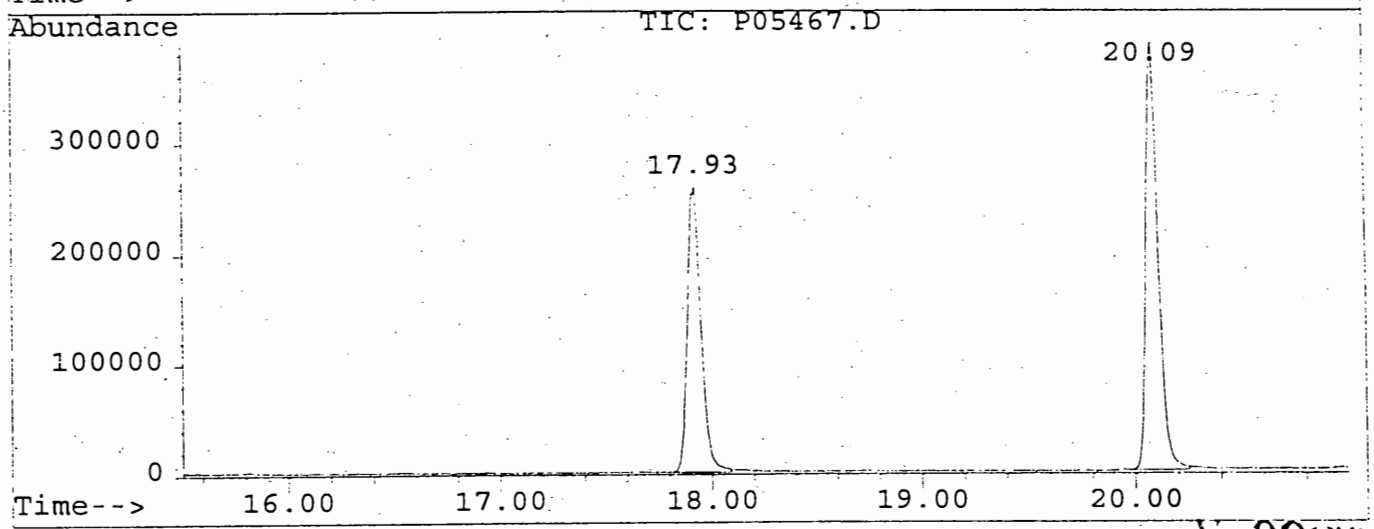


V 0026

File : C:\HPCHEM\1\DATA\P05467.D
Operator : GLENN
Acquired : 24 Jan 97 13:40 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702016
Misc Info : B60202 H5970-3 1/24/97 5.0G
Vial Number: 7







Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05467.D Vial: 7
Acq On : 24 Jan 97 13:40 Operator: GLENN
Sample : 9702016 Inst : 5970 - In
Misc : B60202 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 5 10:57 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.22	128	112925	50.00	UG/L	-0.05
21) 1,4-Difluorobenzene	12.63	114	384069	50.00	UG/L	-0.05
33) Chlorobenzene-d5	17.93	117	313308	50.00	UG/L	-0.03
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.08	65	187201	55.01	UG/L	110.02%
34) Toluene-d8	15.25	98	315638	48.59	UG/L	97.17%
43) Bromofluorobenzene	20.09	95	311030	52.41	UG/L	104.83%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration V 0025

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05467.D
Acq On : 24 Jan 97 13:40
Sample : 9702016
Misc : B60202 H5970-3 1/24/97 5.0G

Vial: 7
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0029

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60203

A65P-01 (15-17')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702017

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05468.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 2.9 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60203

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702017

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05468.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 2.9 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

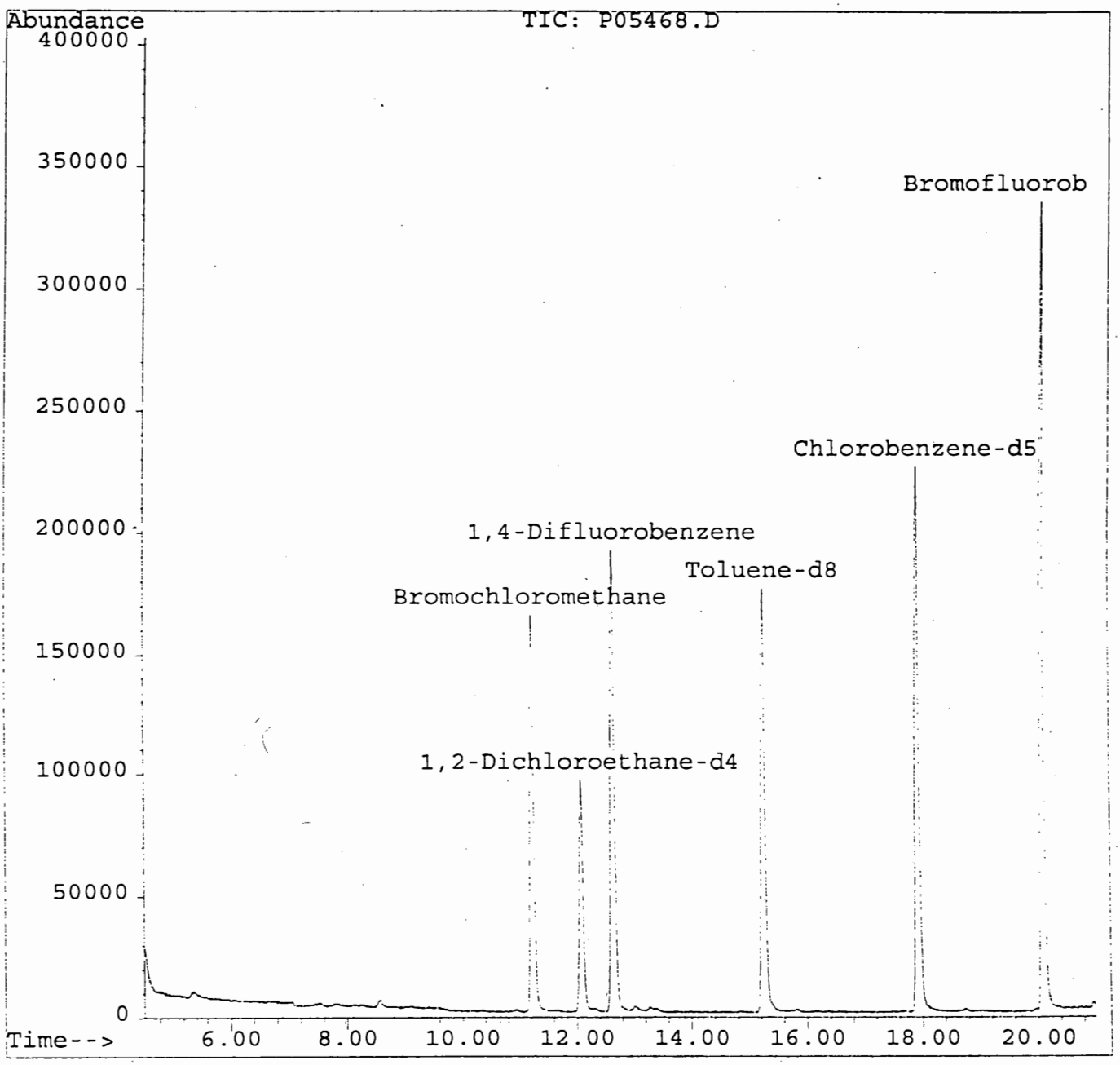
V 0031

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05468.D
Acq On : 24 Jan 97 2:10 pm
Sample : 9702017
Misc : B60203 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:58 1997

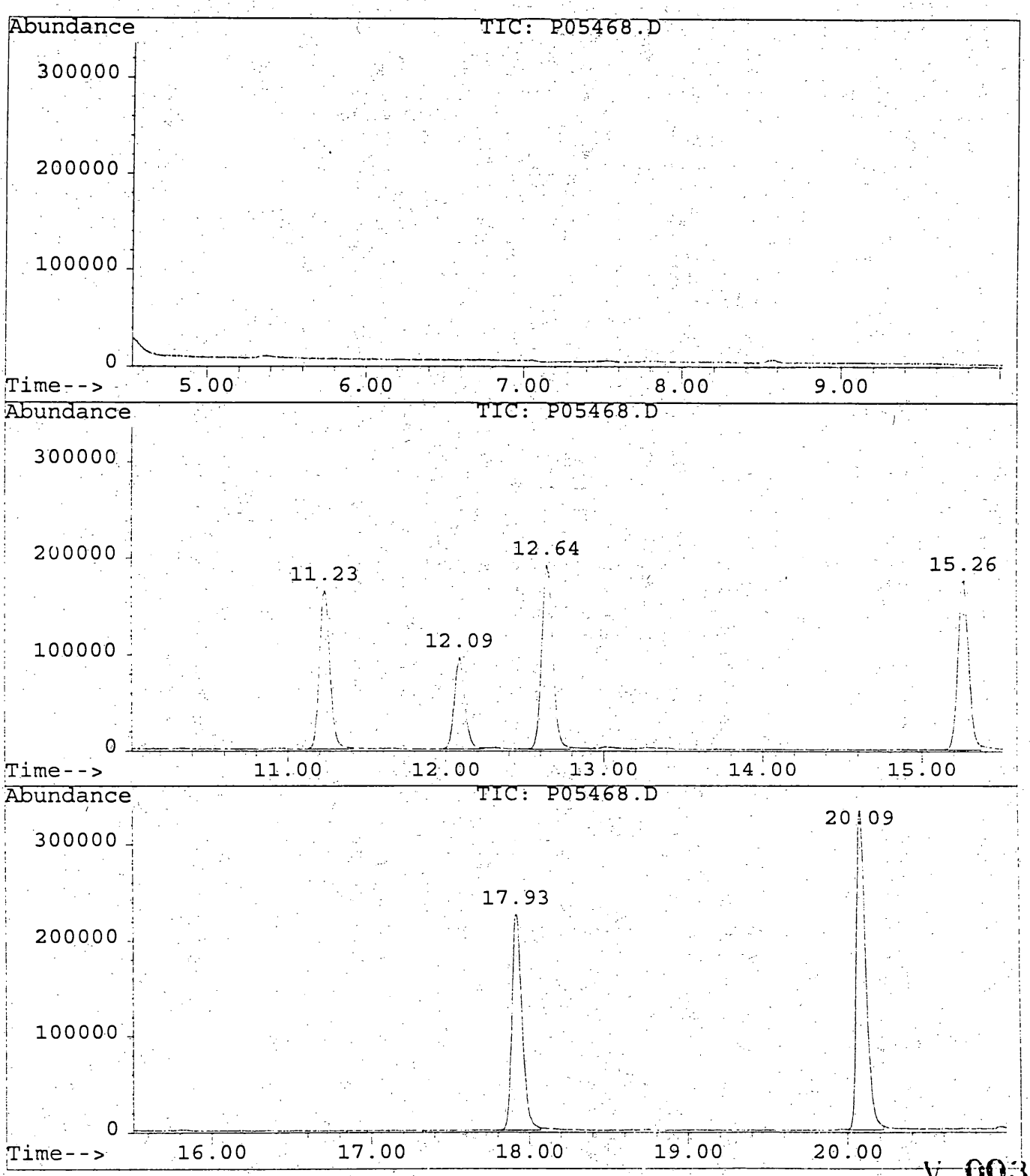
Vial: 8
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0002

File : C:\HPCHEM\1\DATA\P05468.D
Operator : GLENN
Acquired : 24 Jan 97 14:10 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702017
Misc Info : B60203 H5970-3 1/24/97 5.0G
Vial Number: 8



Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05468.D
Acq On : 24 Jan 97 14:10
Sample : 9702017
Misc : B60203 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:58 1997

Vial: 8
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	97905	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	333988	50.00	UG/L	-0.05
33) Chlorobenzene-d5	17.92	117	275780	50.00	UG/L	-0.04
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.09	65	164413	55.73	UG/L	111.45%
34) Toluene-d8	15.26	98	279245	48.83	UG/L	97.67%
43) Bromofluorobenzene	20.09	95	270794	51.84	UG/L	103.69%
Target Compounds						Qvalue

V-0031

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05468.D
Acq On : 24 Jan 97 14:10
Sample : 9702017
Misc : B60203 H5970-3 1/24/97 5.0G

Vial: 8
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0035

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60204

A6SP-61 (20'-22')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702018

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05469.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60204

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702018

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05469.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

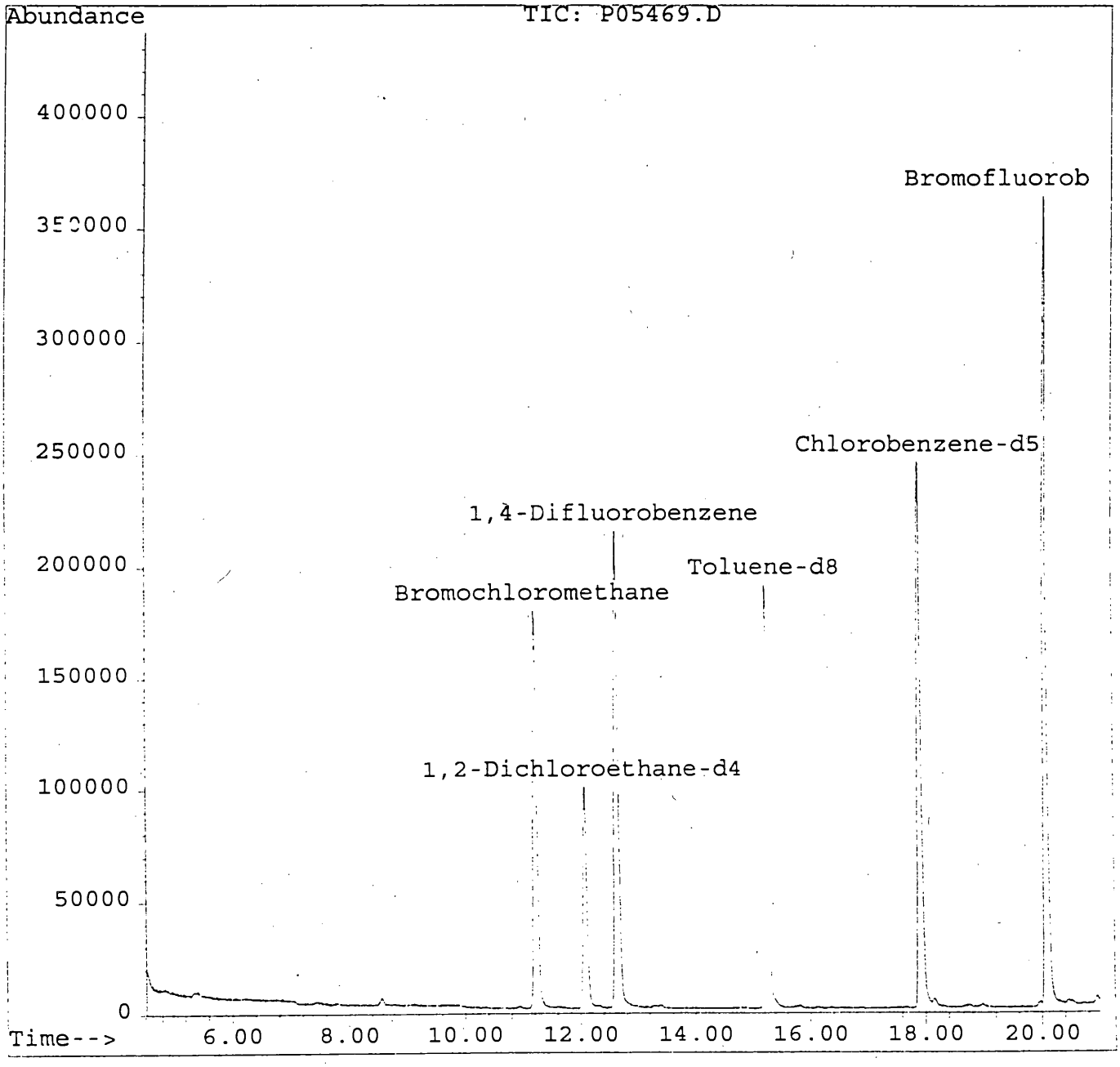
V 0037

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05469.D
Acq On : 24 Jan 97 2:41 pm
Sample : 9702018
Misc : B60204 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 15:06 1997

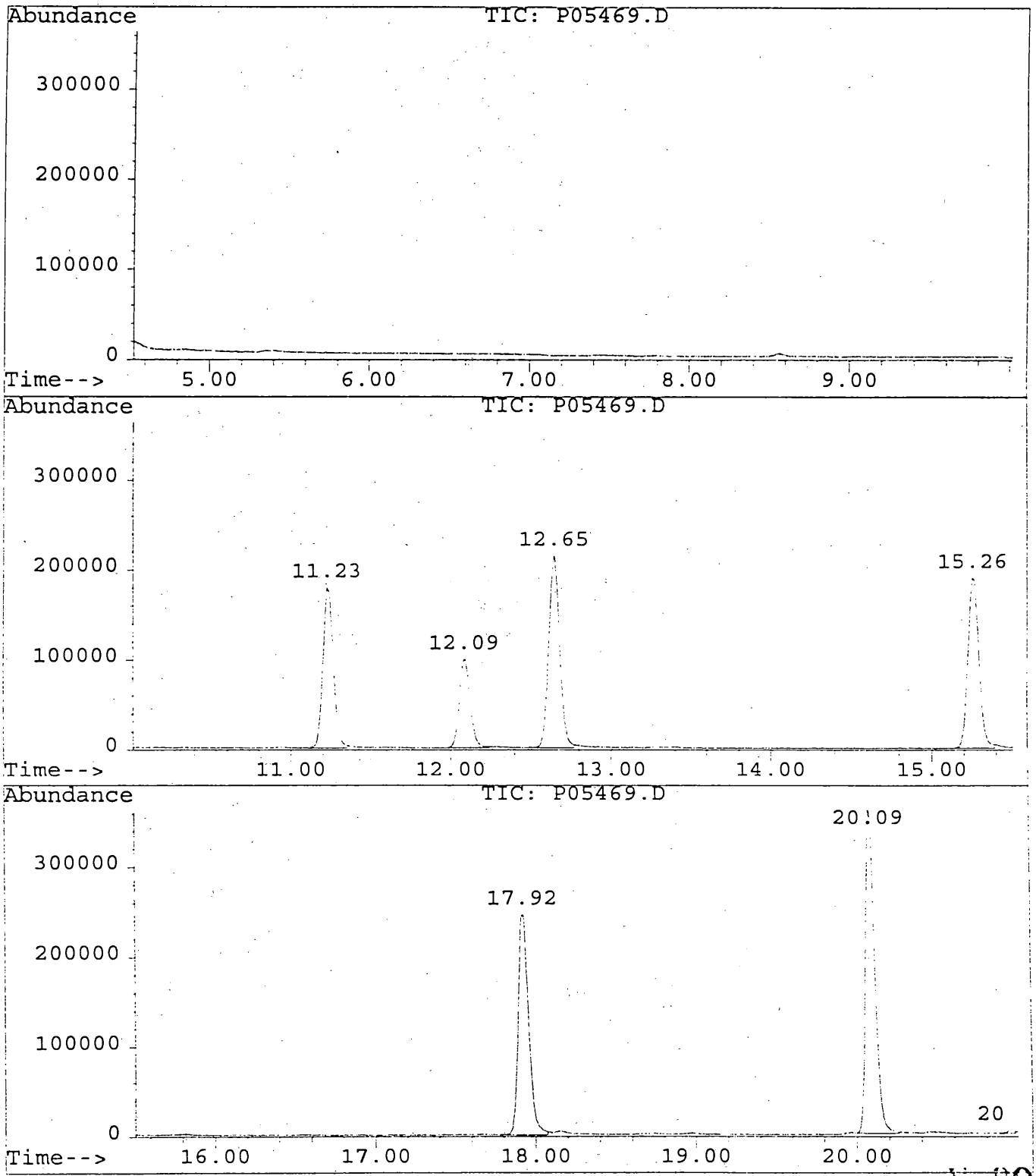
Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0035

File : C:\HPCHEM\1\DATA\P05469.D
Operator : GLENN
Acquired : 24 Jan 97 14:41 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702018
Misc Info : B60204 H5970-3 1/24/97 5.0G
Vial Number: 9



Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05469.D Vial: 9
Acq On : 24 Jan 97 14:41 Operator: GLENN
Sample : 9702018 Inst : 5970 - In
Misc : B60204 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 15:06 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	105098	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.65	114	365332	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.94	117	300127	50.00	UG/L	-0.02
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.09	65	174546	55.11	UG/L	110.23%
34) Toluene-d8	15.26	98	301974	48.52	UG/L	97.05%
43) Bromofluorobenzene	20.09	95	293490	51.63	UG/L	103.26%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration V 0040

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05469.D
Acq On : 24 Jan 97 14:41
Sample : 9702018
Misc : B60204 H5970-3 1/24/97 5.0G

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0041

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60205

A6SP-01 (25'-27')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702019

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05560.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.1 Date Analyzed: 02/05/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

V 0042

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60205

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702019

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05560.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.1 Date Analyzed: 02/05/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

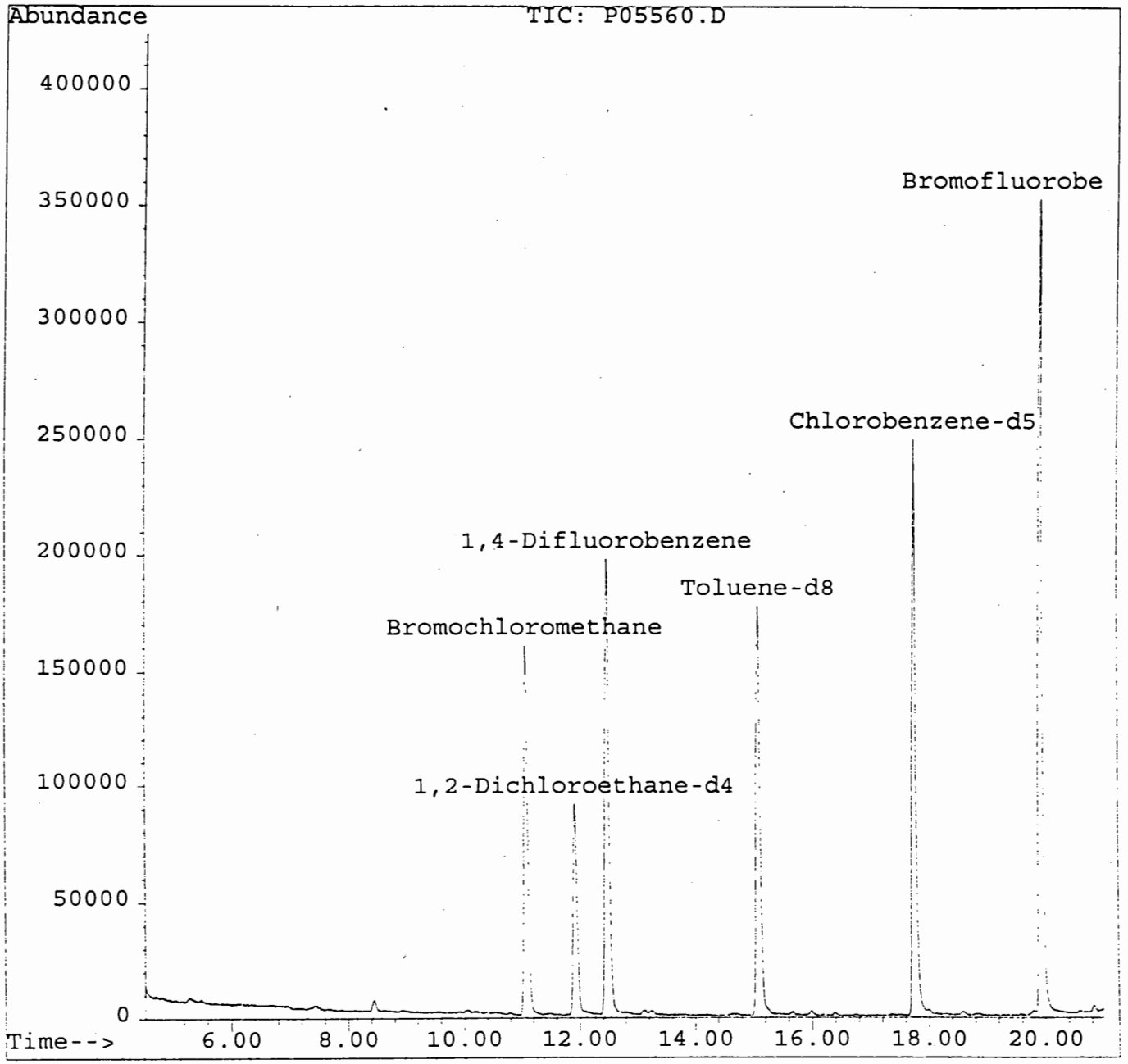
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05560.D
Acq On : 5 Feb 97 2:15 pm
Sample : 9702019
Misc : B60205 H5970-3 2/5/97 5.0G
Quant Time: Feb 6 8:21 1997

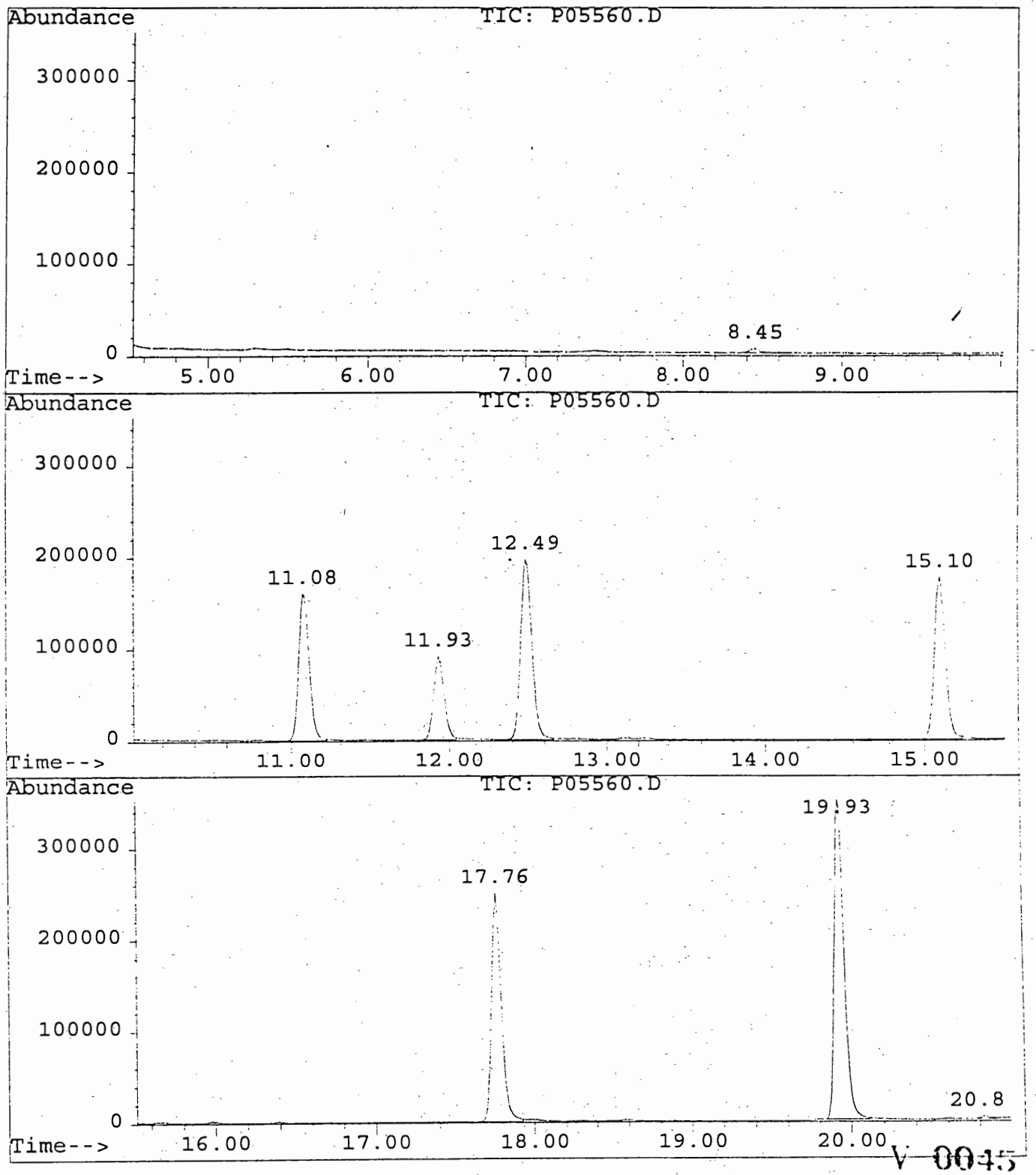
Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0044

File : C:\HPCHEM\1\DATA\P05560.D
Operator : GLENN
Acquired : 5 Feb 97 14:15 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702019
Misc Info : B60205 H5970-3 2/5/97 5.0G
Vial Number: 3



Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05560.D Vial: 3
Acq On : 5 Feb 97 14:15 Operator: GLENN
Sample : 9702019 Inst : 5970 - In
Misc : B60205 H5970-3 2/5/97 5.0G Multiplr: 1.00
Quant Time: Feb 6 8:21 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05558.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.09	128	92704	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.49	114	341281	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.76	117	295649	50.00	UG/L	0.00
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	11.93	65	157118	53.24	UG/L	106.48%
34) Toluene-d8	15.10	98	283070	50.31	UG/L	100.61%
43) Bromofluorobenzene	19.93	95	301853	50.81	UG/L	101.62%
Target Compounds						Qvalue
9) Methylene Chloride	8.45	84	4641	1.38	UG/L	89

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

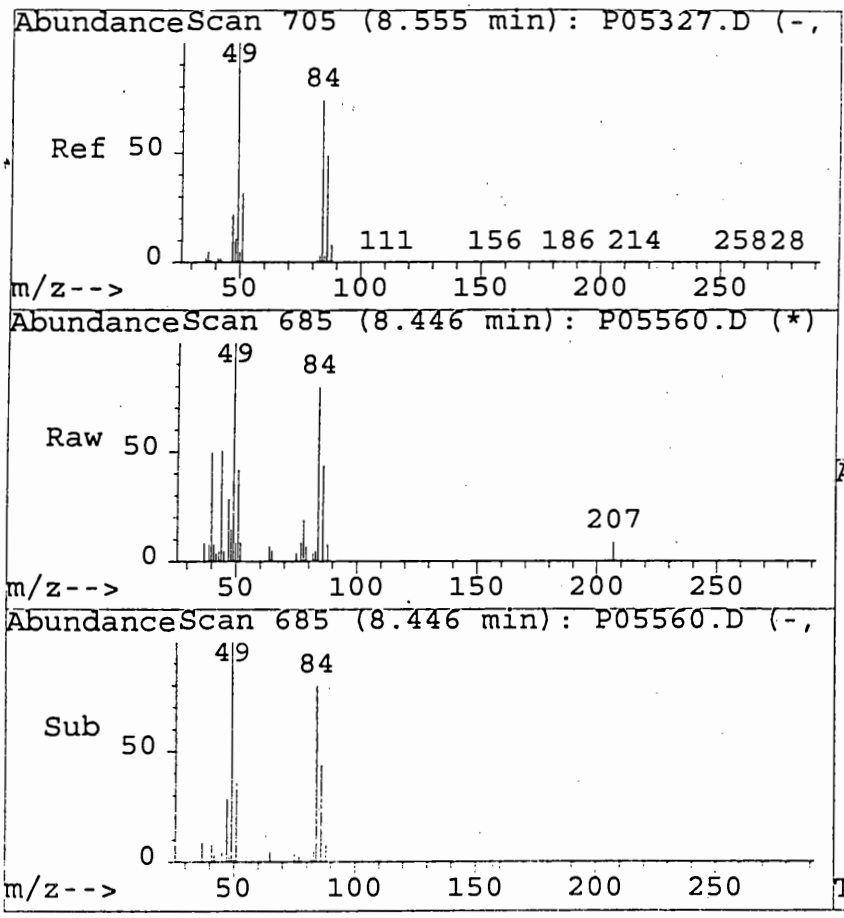
Data File : C:\HPCHEM\1\DATA\P05560.D
Acq On : 5 Feb 97 14:15
Sample : 9702019
Misc : B60205 H5970-3 2/5/97 5.0G

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

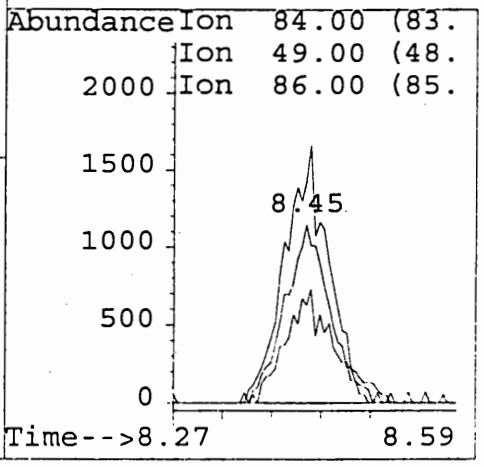
V 0047



#9
Methylene Chloride
Concen: 1.38 UG/L
RT: 8.45 min Scan# 685
Delta R.T. 0.01 min
Lab File: P05560.D
Acq: 5 Feb 97 2:15 pm

Tgt Ion:84 Resp: 4641

Ion	Ratio	Lower	Upper
84	100		
49	124.6	113.6	153.6
86	54.8	48.1	88.1
0	0.0	0.0	0.0



Sample Name: 9702019
Misc. Info: B60205 H5970-3 2/5/97 5.0G

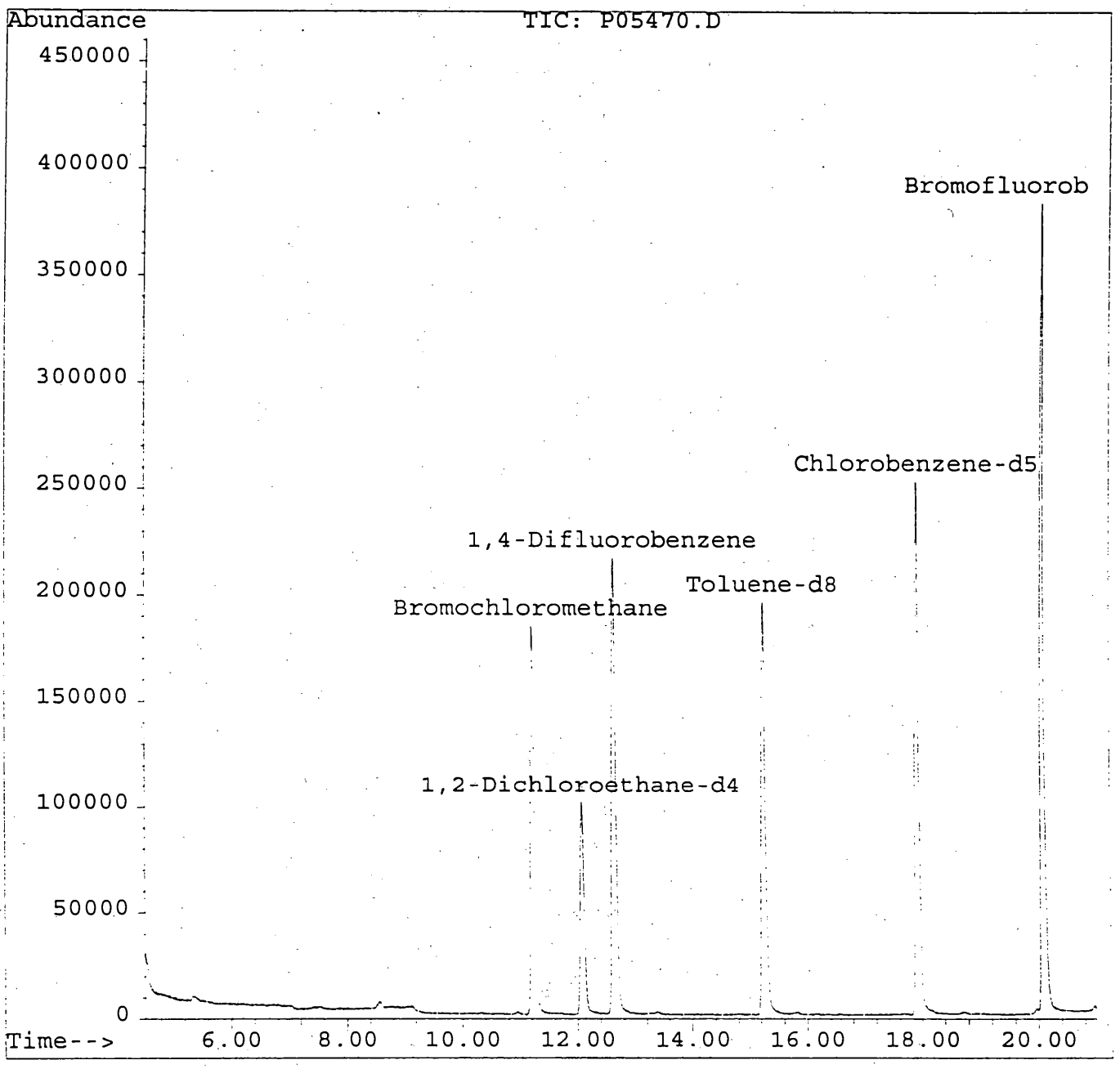
V 0048

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05470.D
Acq On : 24 Jan 97 3:12 pm
Sample : 9702019
Misc : B60205 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 15:37 1997

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Single Level Calibration



V 0049

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05470.D
Acq On : 24 Jan 97 15:12
Sample : 9702019
Misc : B60205 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 15:37 1997

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	107819	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.65	114	378262	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.94	117	312689	50.00	UG/L	-0.02
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.08	65	178378	54.90	UG/L	109.80%
34) Toluene-d8	15.26	98	314411	48.49	UG/L	96.98%
43) Bromofluorobenzene	20.09	95	309758	52.30	UG/L	104.60%
Target Compounds						**Qvalue**

V-0050

(#) = qualifier out of range (m) = manual integration

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60206

A65P-01
(30-32')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702020

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05471.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60206

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702020

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05471.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

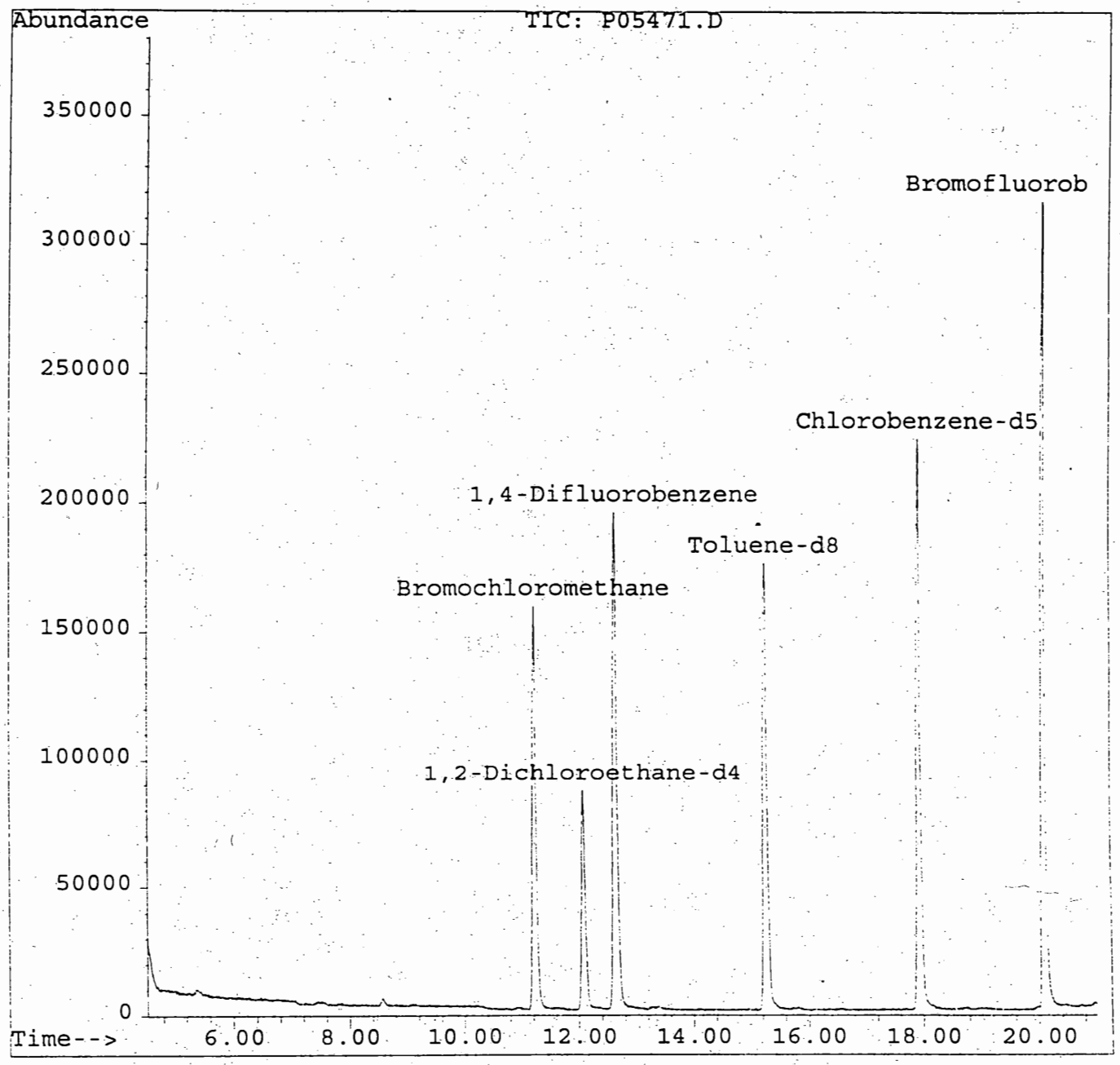
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05471.D
Acq On : 24 Jan 97 3:43 pm
Sample : 9702020
Misc : B60206 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:59 1997

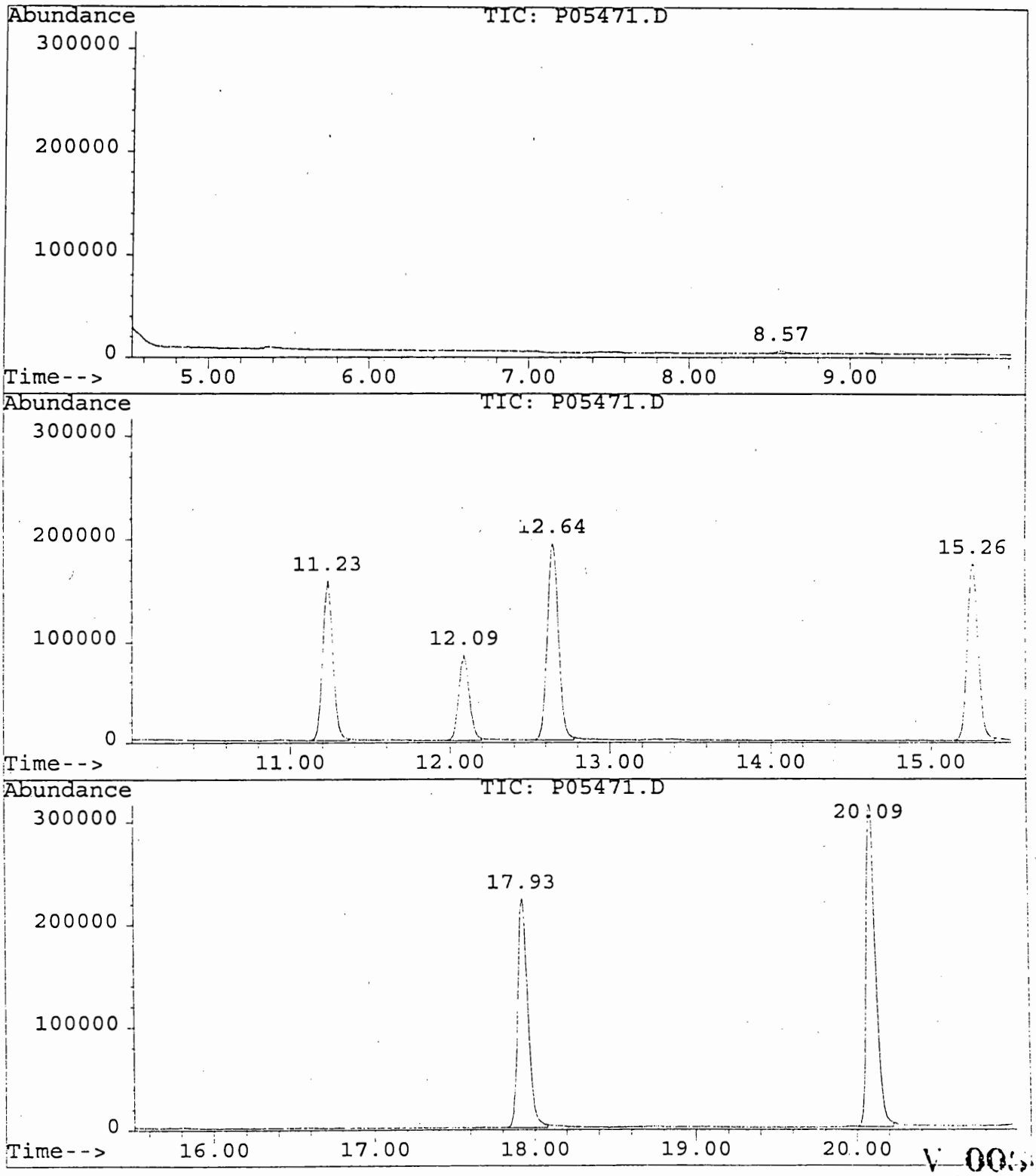
Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 00533

File : C:\HPCHEM\1\DATA\P05471.D
Operator : GLENN
Acquired : 24 Jan 97 15:43 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702020
Misc Info : B60206 H5970-3 1/24/97 5.0G
Vial Number: 11



V 00:1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05471.D
Acq On : 24 Jan 97 15:43
Sample : 9702020
Misc : B60206 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:59 1997

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	91235	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	339060	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.93	117	273376	50.00	UG/L	-0.03
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.09	65	147220	53.55	UG/L	107.10%
34) Toluene-d8	15.26	98	279436	49.30	UG/L	98.59%
43) Bromofluorobenzene	20.09	95	257249	49.68	UG/L	99.36%
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

V 0055

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05471.D
Acq On : 24 Jan 97 15:43
Sample : 9702020
Misc : B60206 H5970-3 1/24/97 5.0G

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 00356

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60207

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

A6SP.01 (35'-37')

Matrix: (soil/water) SOIL Lab Sample ID: 9702021

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05472.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

V 00557

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60207

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702021

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05472.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

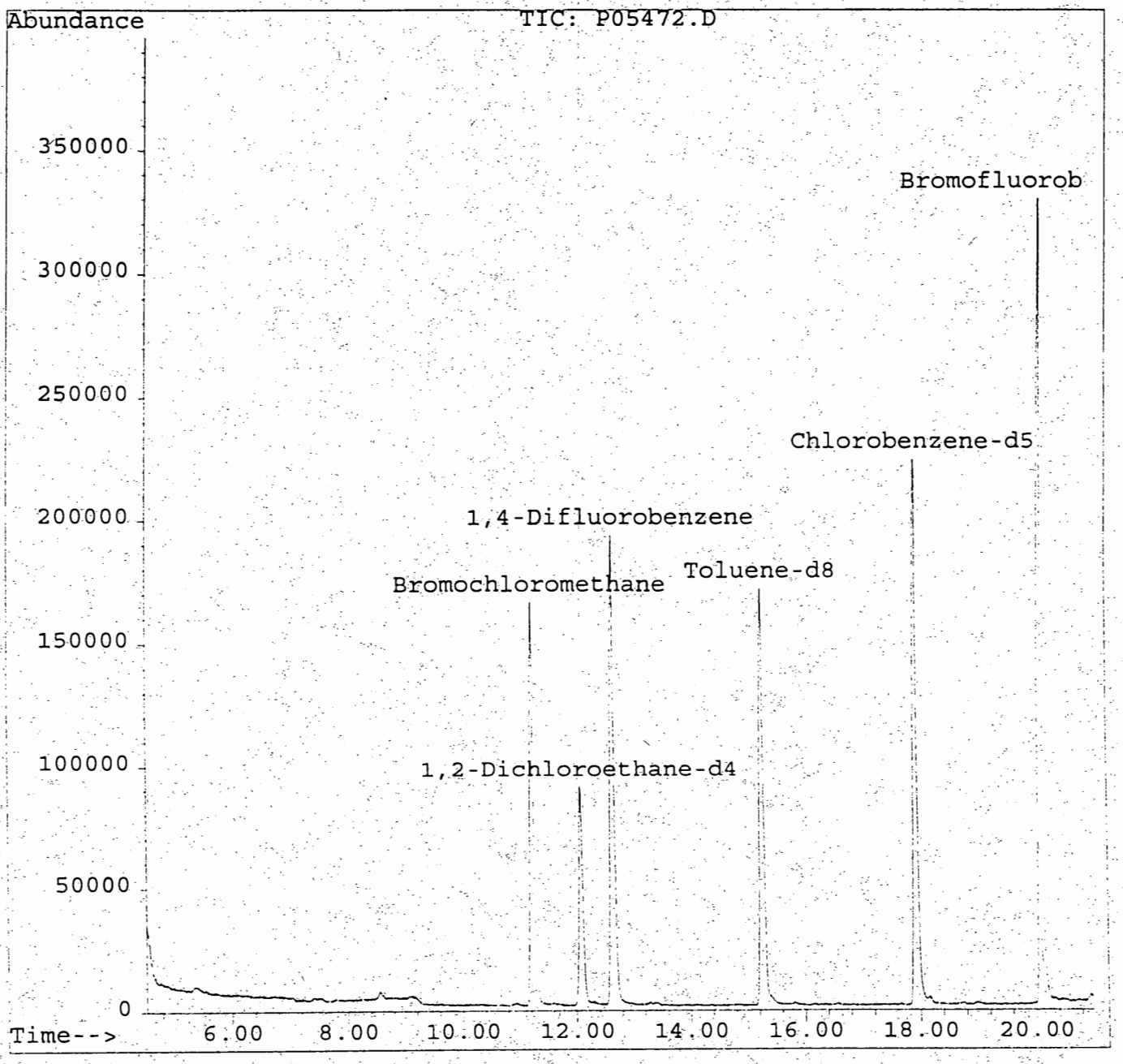
V 0055

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05472.D
Acq On : 24 Jan 97 4:14 pm
Sample : 9702021
Misc : B60207 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:59 1997

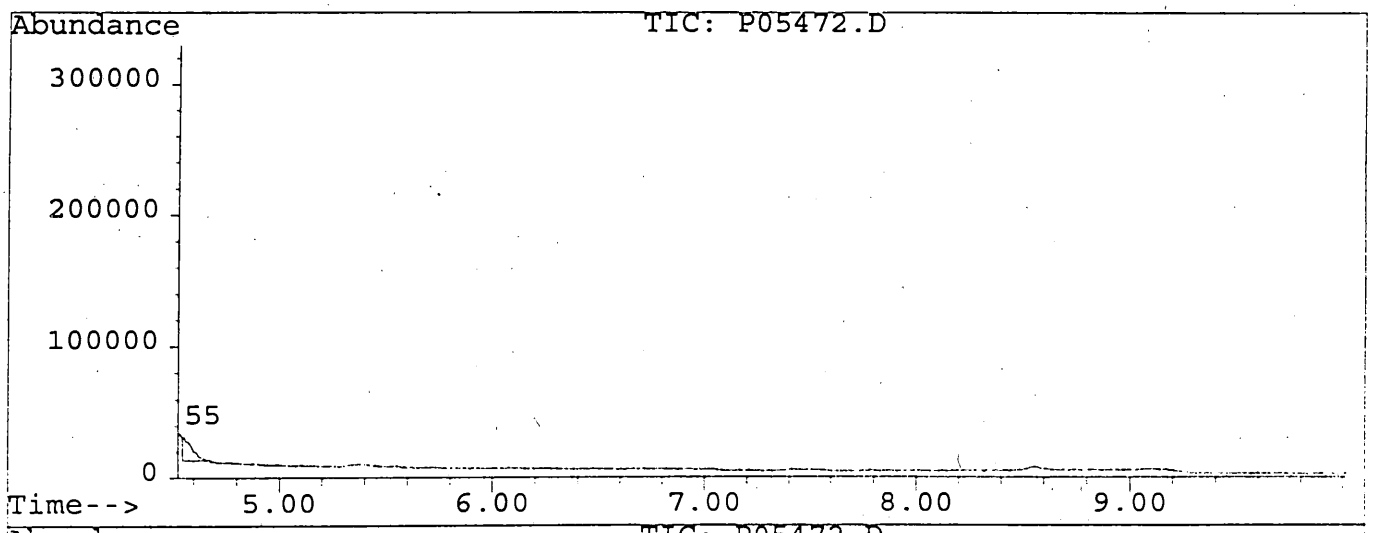
Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

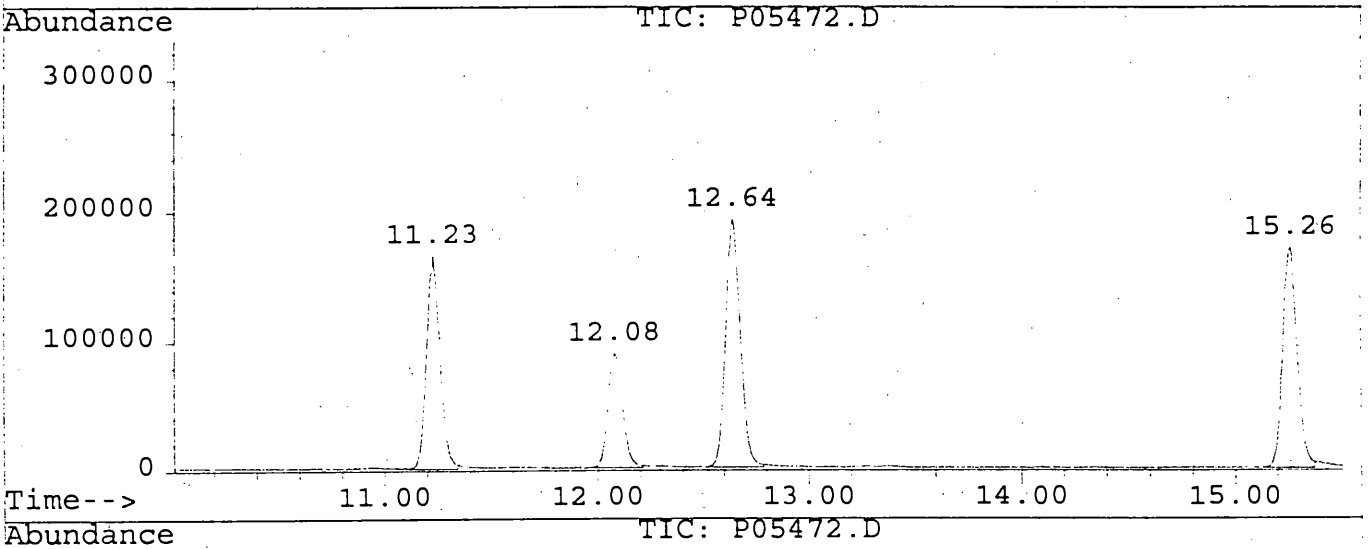
Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration

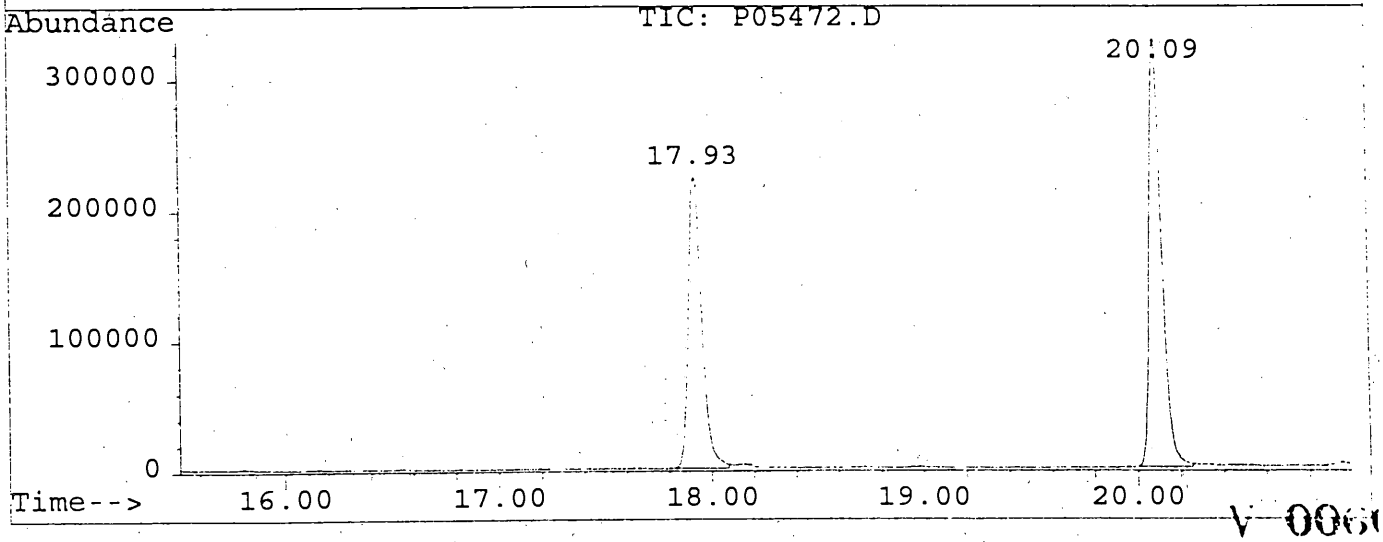


V 0059

File : C:\HPCHEM\1\DATA\P05472.D
Operator : GLENN
Acquired : 24 Jan 97 16:14 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702021
Misc Info : B60207 H5970-3 1/24/97 5.0G
Vial Number: 12







V 0060

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05472.D Vial: 12
Acq On : 24 Jan 97 16:14 Operator: GLENN
Sample : 9702021 Inst : 5970 - In
Misc : B60207 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 5 10:59 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	95043	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	327037	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.93	117	275102	50.00	UG/L	-0.03
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	158733	55.42	UG/L	110.84%
34) Toluene-d8	15.26	98	270297	47.38	UG/L	94.77%
43) Bromofluorobenzene	20.09	95	264190	50.70	UG/L	101.41%
Target Compounds						Qvalue

V-0061

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05472.D
Acq On : 24 Jan 97 16:14
Sample : 9702021
Misc : B60207 H5970-3 1/24/97 5.0G

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0062

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60208

A65P-01 (40'-42')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702022

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05473.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60208

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702022

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05473.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

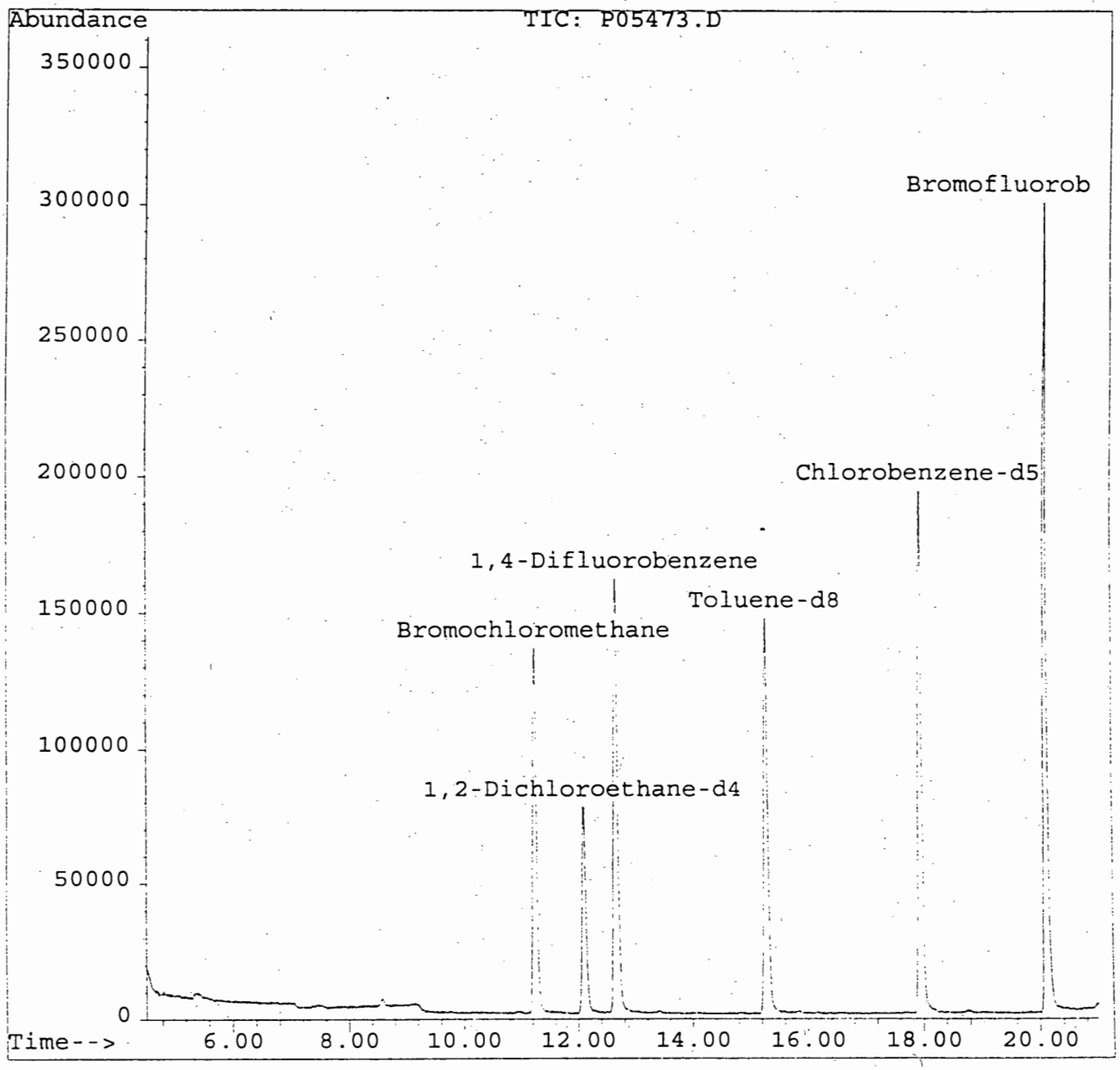
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05473.D
Acq On : 24 Jan 97 4:45 pm
Sample : 9702022
Misc : B60208 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 17:10 1997

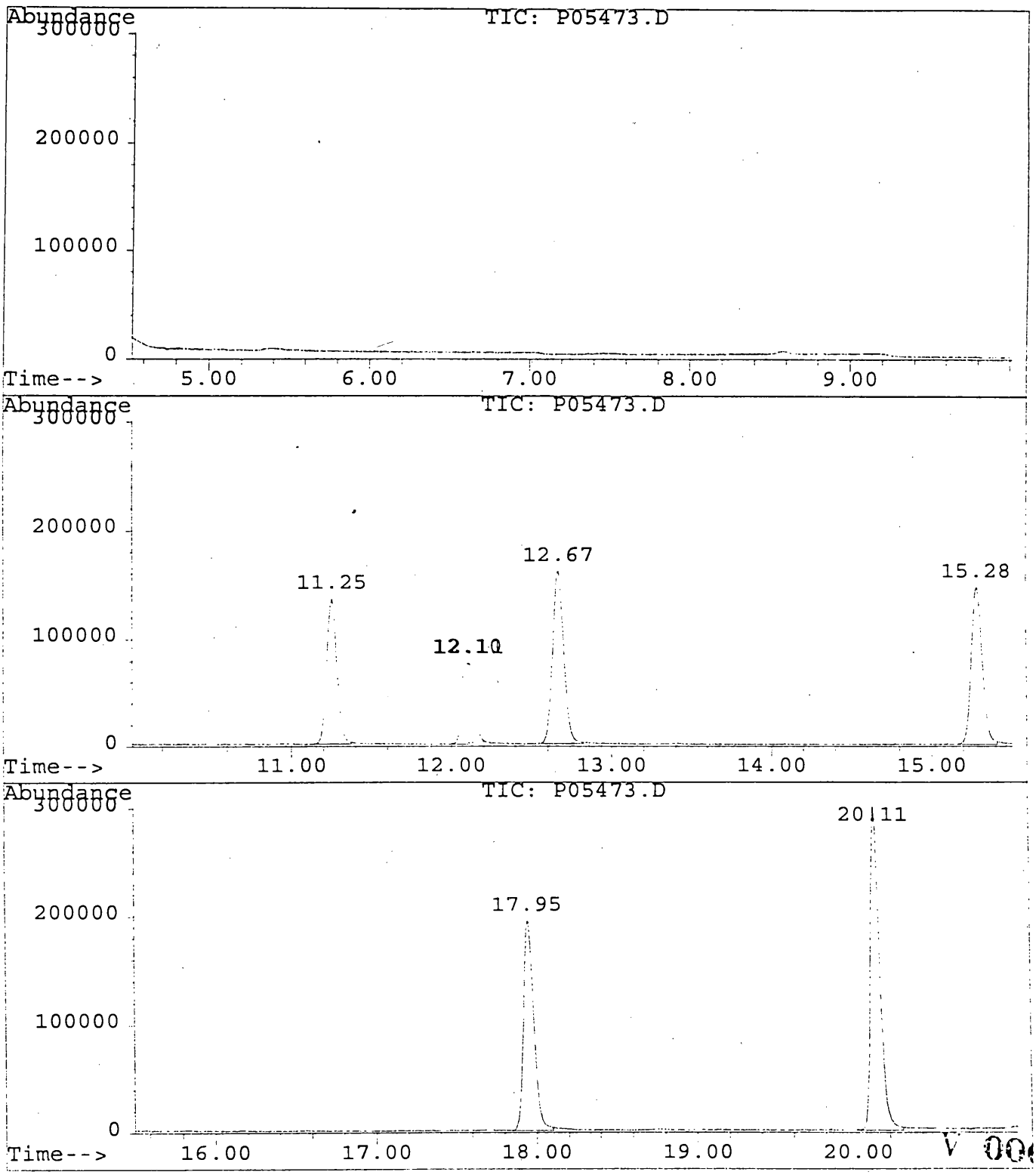
Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0065

File : C:\HPCHEM\1\DATA\P05473.D
Operator : GLENN
Acquired : 24 Jan 97 16:45 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702022
Misc Info : B60208 H5970-3 1/24/97 5.0G
Vial Number: 13



Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05473.D Vial: 13
Acq On : 24 Jan 97 16:45 Operator: GLENN
Sample : 9702022 Inst : 5970 - In
Misc : B60208 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 17:10 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	79254	50.00	UG/L	-0.02
21) 1,4-Difluorobenzene	12.66	114	281408	50.00	UG/L	-0.02
33) Chlorobenzene-d5	17.95	117	238511	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.10	65	138052	57.80	UG/L	115.61%
34) Toluene-d8	15.28	98	234660	47.45	UG/L	94.90%
43) Bromofluorobenzene	20.11	95	234328	51.87	UG/L	103.74%
Target Compounds						**Qvalue**

(#) = qualifier out of range (m) = manual integration

V 0067

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05473.D
Acq On : 24 Jan 97 16:45
Sample : 9702022
Misc : B60208 H5970-3 1/24/97 5.0G

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0065

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60209

A6SP-01 (45-47')

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05474.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60209

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702023

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05474.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

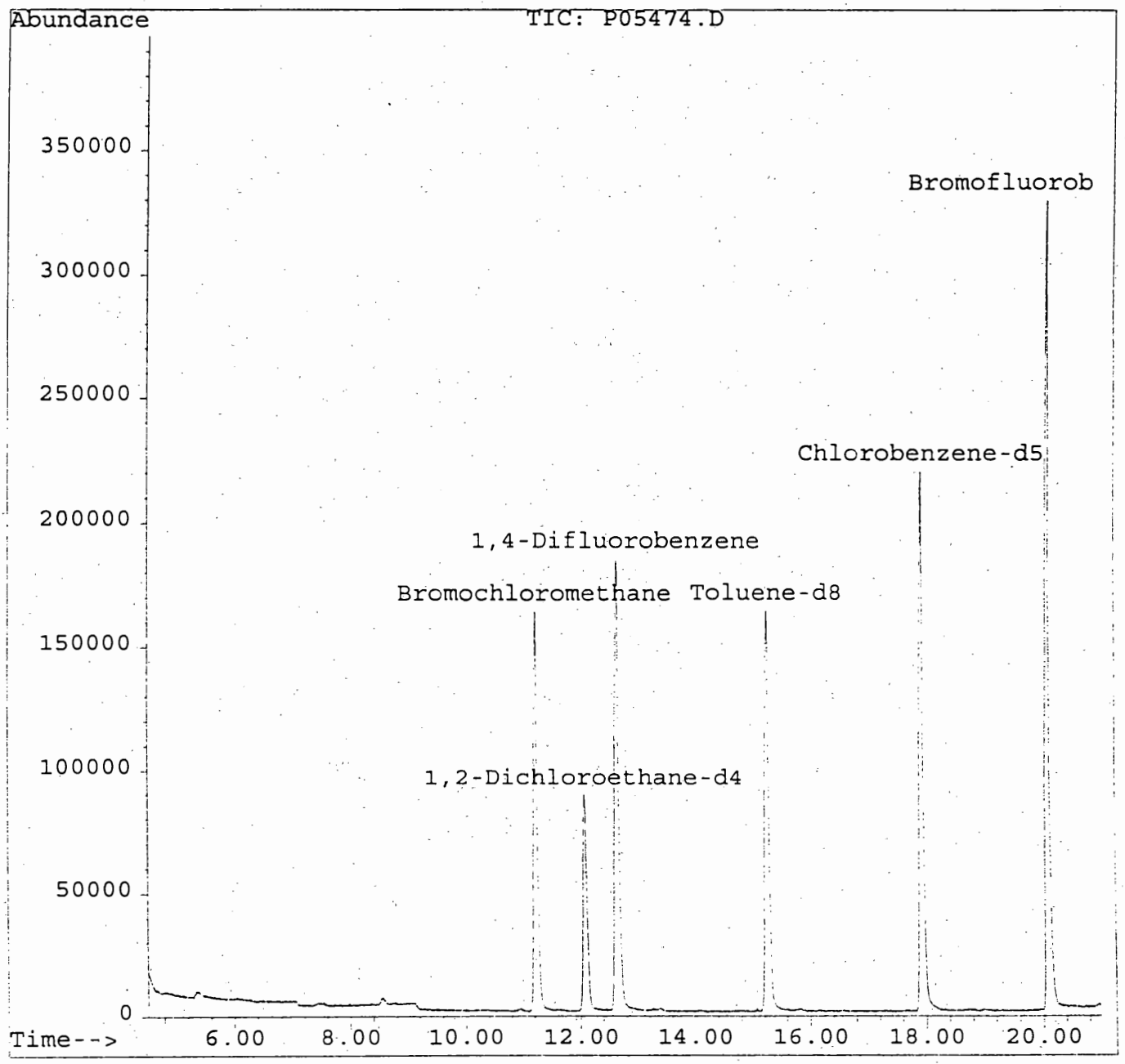
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05474.D
Acq On : 24 Jan 97 5:16 pm
Sample : 9702023
Misc : B60209 H5970-3 1/24/97 5.0G
Quant Time: Feb 5 11:00 1997

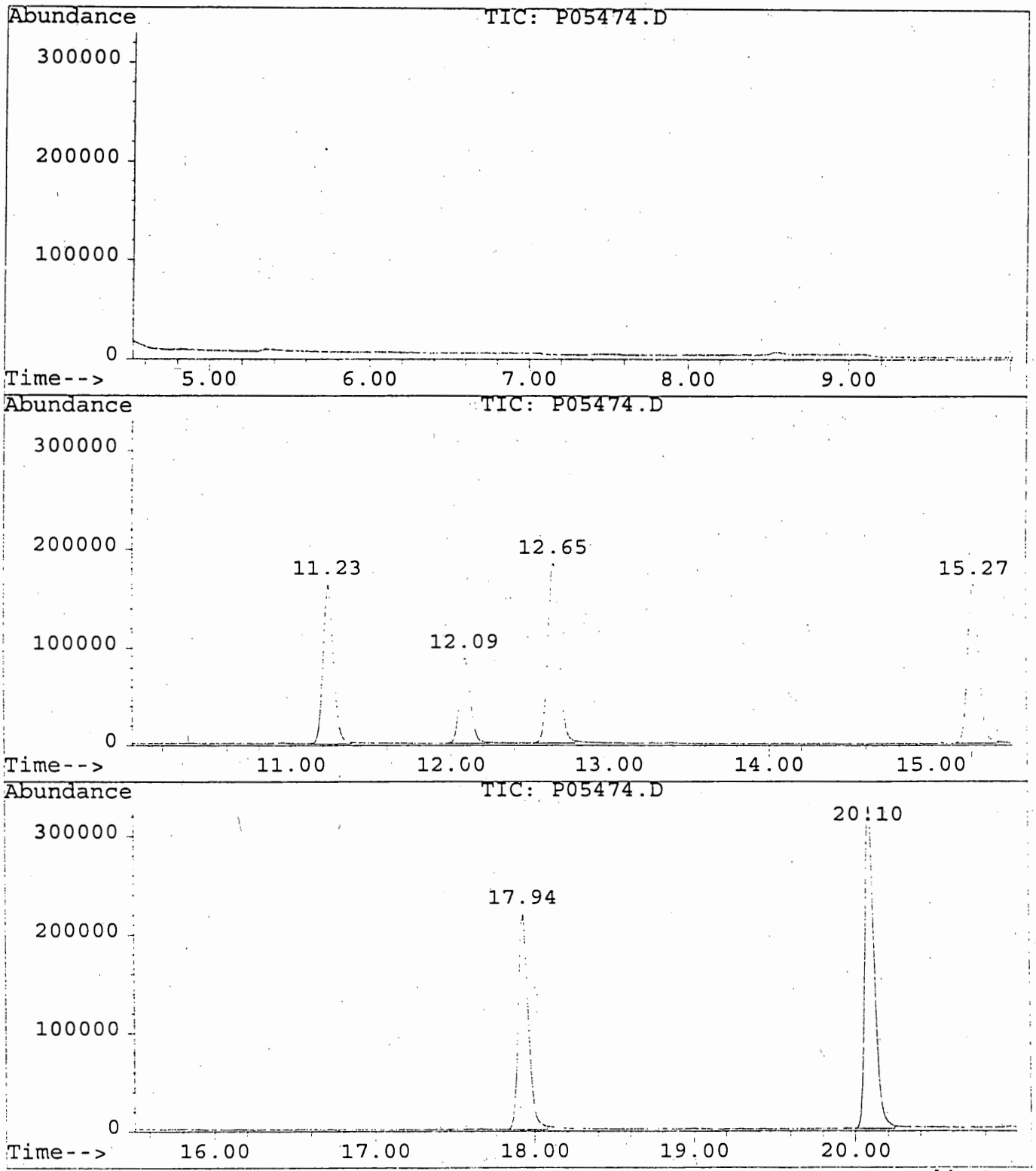
Vial: 14
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0071

File : C:\HPCHEM\1\DATA\P05474.D
Operator : GLENN
Acquired : 24 Jan 97 17:16 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702023
Misc Info : B60209 H5970-3 1/24/97 5.0G
Vial Number: 14



V 0072

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05474.D Vial: 14
Acq On : 24 Jan 97 17:16 Operator: GLENN
Sample : 9702023 Inst : 5970 - In
Misc : B60209 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 5 11:00 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.24	128	93603	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.65	114	324434	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.94	117	267940	50.00	UG/L	-0.02
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.09	65	158053	56.03	UG/L	112.07%
34) Toluene-d8	15.27	98	264193	47.55	UG/L	95.10%
43) Bromofluorobenzene	20.10	95	262216	51.67	UG/L	103.34%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration V 0073

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05474.D
Acq On : 24 Jan 97 17:16
Sample : 9702023
Misc : B60209 H5970-3 1/24/97 5.0G

Vial: 14
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0071

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60210

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702024

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05475.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 2.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

A6SP-01
(10-12')

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60210

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702024

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05475.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 2.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

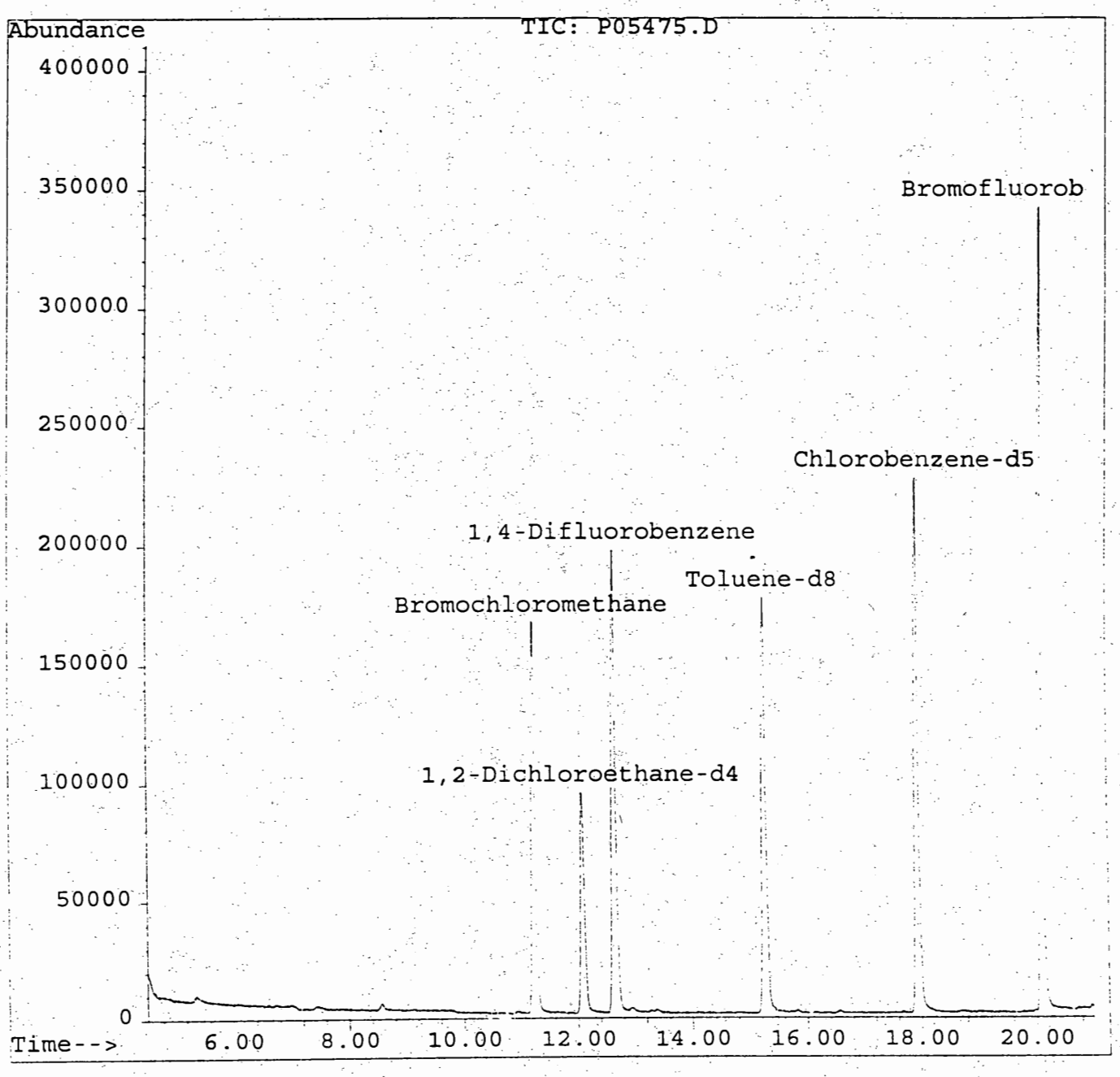
Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Data File : C:\HPCHEM\1\DATA\P05475.D
Acq On : 24 Jan 97 5:47 pm
Sample : 9702024
Misc : B60210 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 18:12 1997

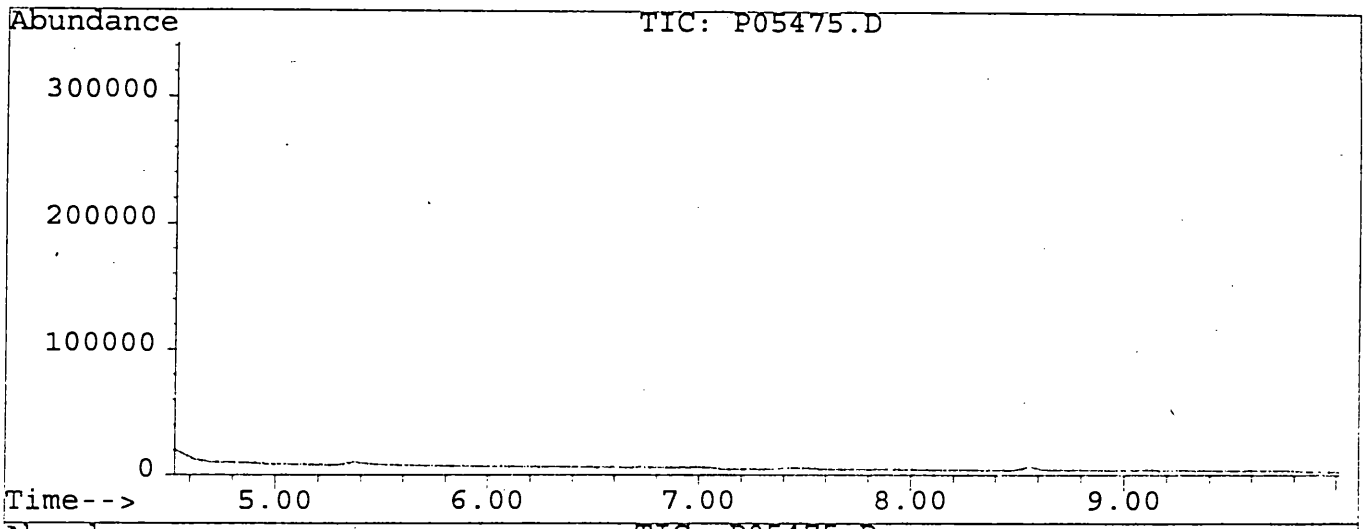
Vial: 15
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

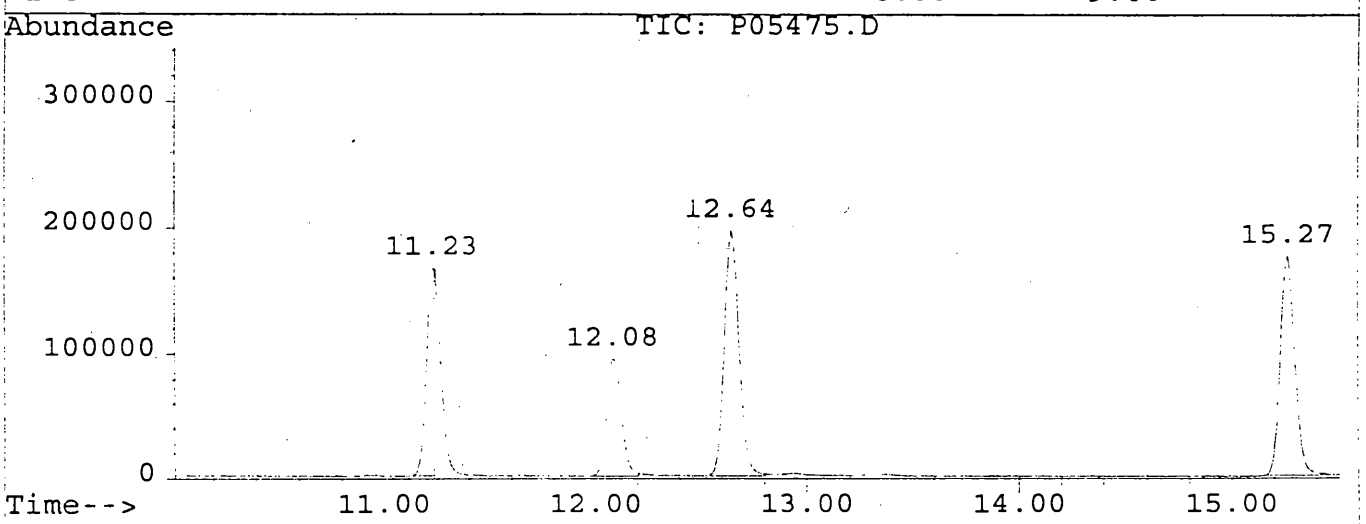
Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration

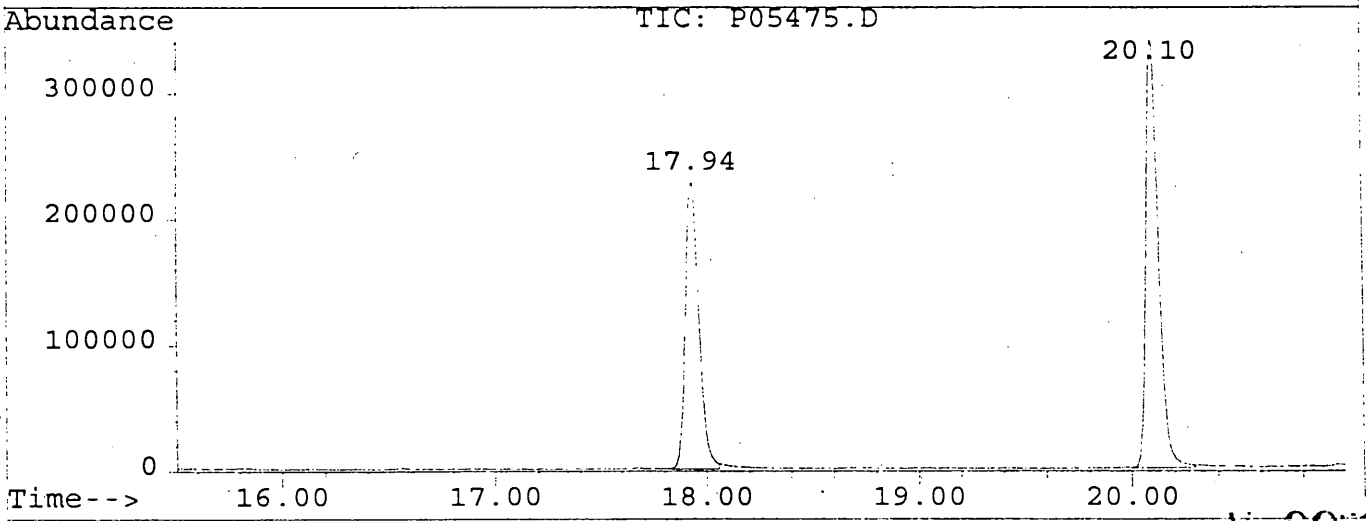


V 0077

File : C:\HPCHEM\1\DATA\P05475.D
Operator : GLENN
Acquired : 24 Jan 97 17:47 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702024
Misc Info : B60210 H5970-3 1/24/97 5.0G
Vial Number: 15







V 0075

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05475.D Vial: 15
Acq On : 24 Jan 97 17:47 Operator: GLENN
Sample : 9702024 Inst : 5970 - In
Misc : B60210 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 18:12 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.24	128	101427	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.64	114	339721	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.94	117	281026	50.00	UG/L	-0.02
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.09	65	171546	56.13	UG/L	112.25%
34) Toluene-d8	15.27	98	280752	48.18	UG/L	96.36%
43) Bromofluorobenzene	20.11	95	274579	51.59	UG/L	103.17%
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

V 0075

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05475.D
Acq On : 24 Jan 97 17:47
Sample : 9702024
Misc : B60210 H5970-3 1/24/97 5.0G

Vial: 15
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0050

III. STANDARD DATA PACKAGE FOR VOLATILE ORGANICS

A. INITIAL CALIBRATION FORM
B. STANDARD GC/MS CHROMATOGRAMS
C. DATA SYSTEM REPORT
D. CONTINUING CALIBRATION FORM
E. STANDARD GC/MS CHROMATOGRAMS
F. DATA SYSTEM REPORT

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Instrument ID: H5970-3 Calibration Date(s): 12/31/96 12/31/96

Heated Purge (Y/N): Y Calibration Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 = P05325.D RRF20 = P05326.D
RRF50 = P05327.D RRF100 = P05328.D RRF200 = P05329.D

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.244	1.004	1.023	1.000	1.035	1.061	9.7	
Bromomethane	*	2.151	1.704	1.765	1.762	1.780	1.832	9.9	*
Vinyl Chloride	*	1.496	1.103	1.089	1.044	0.962	1.139	18.2	*
Chloroethane		0.976	0.790	0.820	0.818	0.815	0.844	8.9	
Methylene Chloride		1.705	1.534	1.469	1.510	1.473	1.538	6.3	
Acetone		0.441	0.479	0.455	0.440	0.392	0.441	7.3	
Carbon Disulfide		4.996	4.095	4.253	4.250	4.007	4.320	9.1	
1,1-Dichloroethene	*	1.852	1.414	1.470	1.497	1.342	1.515	13.0	*
1,1-Dichloroethane	*	3.215	2.829	2.893	2.967	2.674	2.916	6.8	*
1,2-Dichloroethene (total)		1.980	1.577	1.616	1.644	1.458	1.655	11.8	
Chloroform	*	3.915	3.499	3.612	3.734	3.412	3.634	5.5	*
1,2-Dichloroethane	*	2.002	2.016	1.941	2.062	1.888	1.982	3.4	*
2-Butanone		0.483	0.565	0.507	0.534	0.477	0.513	7.2	
1,1,1-Trichloroethane	*	0.914	0.900	0.912	0.934	0.859	0.904	3.1	*
Carbon Tetrachloride	*	0.843	0.854	0.867	0.903	0.791	0.852	4.8	*
Bromodichloromethane	*	0.963	1.147	1.153	1.195	1.098	1.111	8.1	*
1,2-Dichloropropane		0.402	0.450	0.448	0.457	0.438	0.439	5.0	
cis-1,3-Dichloropropene	*	0.527	0.657	0.657	0.694	0.637	0.634	10.0	*
Trichloroethene	*	0.554	0.571	0.561	0.588	0.538	0.562	3.3	*
Benzene	*	0.873	0.928	0.935	0.939	0.877	0.910	3.6	*
Dibromochloromethane	*	0.677	0.914	0.881	0.936	0.890	0.860	12.1	*
trans-1,3-Dichloropropene	*	0.429	0.578	0.559	0.597	0.559	0.544	12.2	*
1,1,2-Trichloroethane	*	0.382	0.432	0.393	0.421	0.395	0.404	5.2	*
Bromoform	*	0.445	0.664	0.615	0.675	0.666	0.613	15.8	*
4-Methyl-2-Pentanone		0.339	0.352	0.301	0.348	0.322	0.332	6.3	
2-Hexanone		0.457	0.332	0.279	0.309	0.302	0.336	20.9	
Tetrachloroethene	*	0.613	0.661	0.665	0.688	0.573	0.640	7.2	*
1,1,2,2-Tetrachloroethane	*	0.885	0.912	0.789	0.872	0.821	0.856	5.8	*
Toluene	*	1.199	1.250	1.268	1.309	1.145	1.234	5.1	*
Chlorobenzene	*	1.127	1.115	1.104	1.138	1.026	1.102	4.0	*
Ethylbenzene	*	0.432	0.446	0.440	0.457	0.397	0.434	5.2	*
Styrene	*	0.877	0.893	0.910	0.968	0.888	0.907	4.0	*
Xylene (total)	*	0.504	0.548	0.533	0.561	0.514	0.532	4.4	*
1,2-Dichloroethane-d4		1.470	1.461	1.343	1.385	1.325	1.397	4.8	
Toluene-d8		1.091	1.039	1.045	1.056	1.017	1.050	2.6	
Bromofluorobenzene	*	0.952	0.900	0.879	0.898	0.905	0.907	3.0	*

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

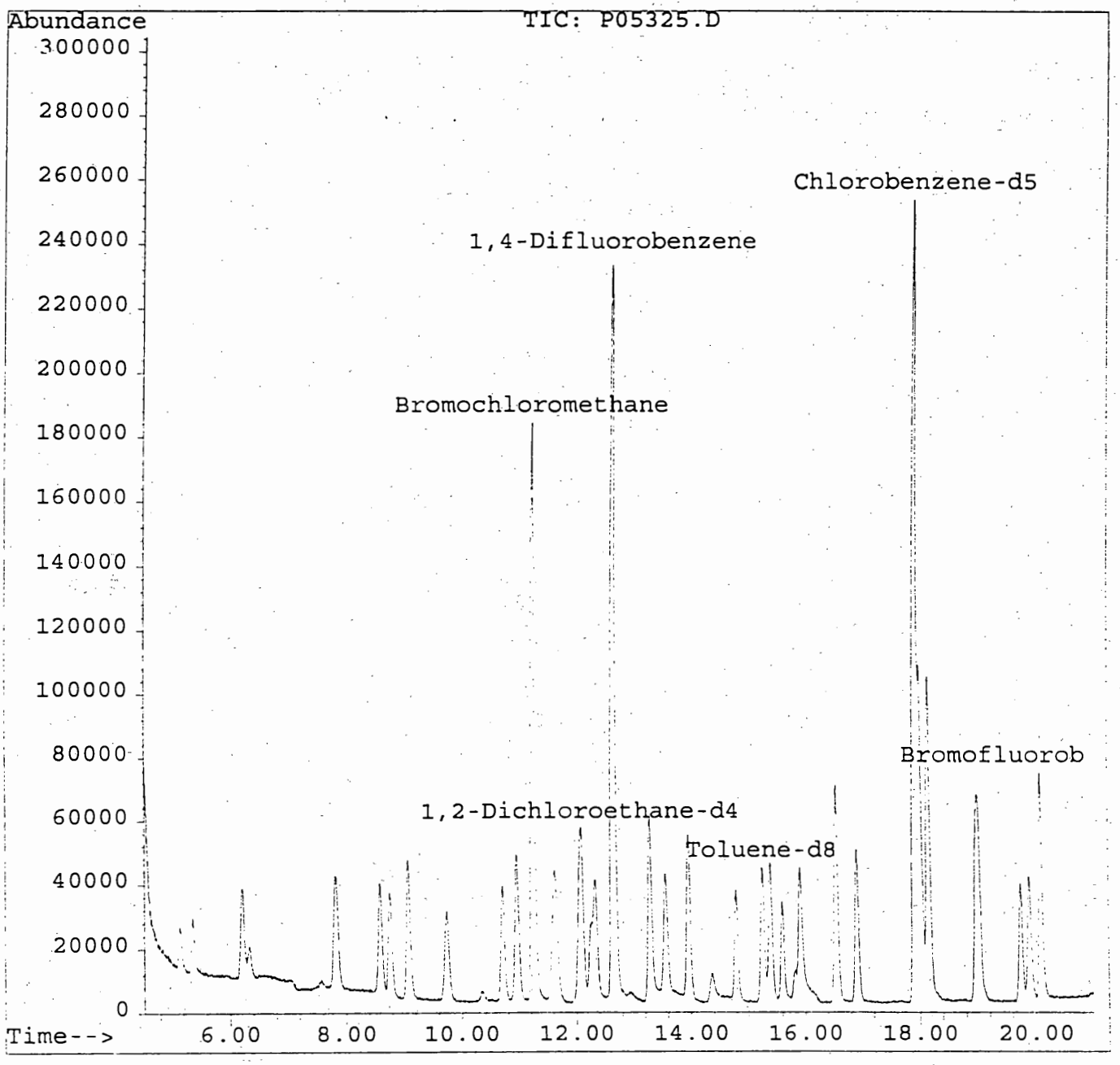
V 0052

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05325.D
Acq On : 31 Dec 96 1:23 pm
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:58 1996

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0053

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05325.D
Acq On : 31 Dec 96 13:23
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:58 1996

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.26	128	109163	50.00	UG/L		0.14
21) 1,4-Difluorobenzene	12.65	114	423386	50.00	UG/L		0.13
33) Chlorobenzene-d5	17.92	117	317725	50.00	UG/L		0.16
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.10	65	32096	8.71	UG/L		
34) Toluene-d8	15.25	98	69294	10.38	UG/L		
43) Bromofluorobenzene	20.09	95	60489	9.31	UG/L		
Target Compounds							Qvalue
2) Chloromethane	5.14	50	27169	33.50	UG/L		93
3) Vinyl Chloride	5.36	62	32669	23.24	UG/L		98
4) Bromomethane	6.21	94	46967	17.97	UG/L		95
5) Chloroethane	6.33	64	21301	20.13	UG/L		98
6) 1,1-Dichloroethene	7.82	96	40433m	18.14	UG/L		89
7) Carbon Disulfide	8.75	76	109078	42.60	UG/L		95
8) Acetone	7.56	43	9624	7.38	UG/L		98
9) Methylene Chloride	8.59	84	37213	13.35	UG/L		95
13) trans-1,2-Dichloroethene	9.08	96	39750	15.15	UG/L		97
14) cis-,1,2-Dichloroethene	10.71	96	36965	10.79	UG/L		89
15) 1,2-Dichloroethene (total)	9.08	96	86466m	28.02	UG/L		94
16) 1,1-Dichloroethane	9.74	63	70186	12.47	UG/L		92
17) Chloroform	10.96	83	85468	9.19	UG/L		97
19) 1,2-Dichloroethane	12.25	62	43711	8.53	UG/L		93
20) 2-Butanone	10.36	43	10538	5.99	UG/L		66
22) 1,1,1-Trichloroethane	11.63	97	77433	7.94	UG/L		95
23) Carbon Tetrachloride	12.07	117	71387	7.38	UG/L		96
24) Trichloroethene	13.29	130	46897	8.95	UG/L		95
25) Benzene	12.34	78	73918	10.68	UG/L		99
26) 1,2-Dichloropropane	13.56	63	34007	9.80	UG/L		94
27) Bromodichloromethane	13.96	83	81528	6.52	UG/L		99
28) cis-1,3-Dichloropropene	14.79	75	44612	7.58	UG/L		96
29) trans-1,3-Dichloropropene	15.61	75	36316	6.33	UG/L		95
30) 1,1,2-Trichloroethane	15.92	97	32338	7.35	UG/L		90
31) Dibromochloromethane	16.91	129	57357	4.94	UG/L		96
32) Bromoform	19.74	173	37687	4.11	UG/L		98
35) 4-Methyl-2-Pentanone	14.36	43	21513	7.02	UG/L		99
36) Toluene	15.41	91	76212	9.79	UG/L		98
37) Tetrachloroethene	16.55	164	38938	8.94	UG/L		95
38) 2-Hexanone	15.81	43	29009m	9.13	UG/L		90
39) Chlorobenzene	18.00	112	71626	8.96	UG/L		84
40) Ethylbenzene	18.03	106	27455	8.86	UG/L	#	88
41) Xylene (total)	18.97	106	32035	8.22	UG/L	#	86

CKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 005.1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05325.D
Acq On : 31 Dec 96 13:23
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:58 1996

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	Styrene	19.03	104	55713	7.96	UG/L	98
44)	m/p-Xylene	18.16	106	68209	17.87	UG/L	94
45)	1,1,2,2-Tetrachloroethane	19.89	83	56257	8.17	UG/L	93

V 0053

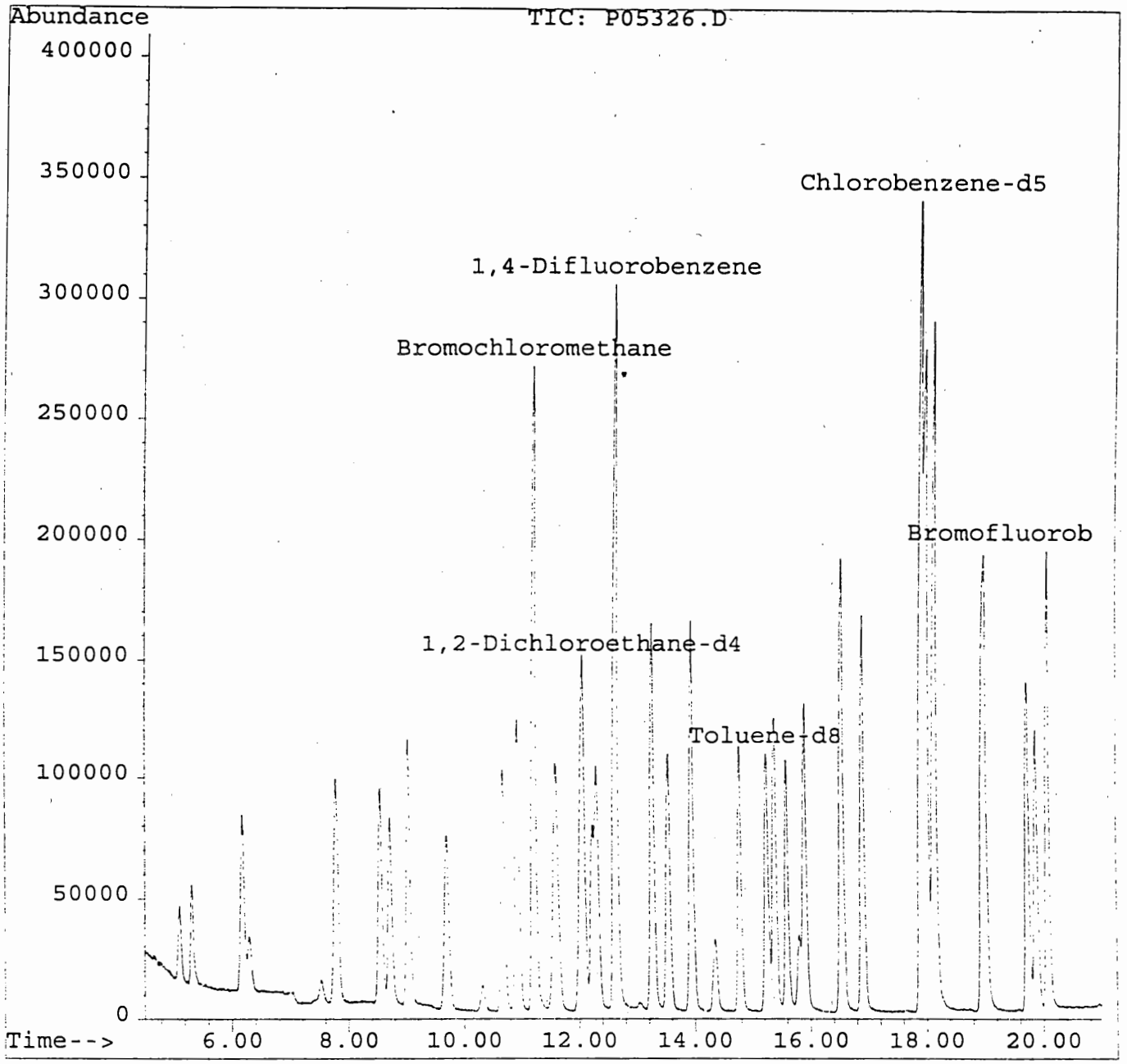
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05326.D
Acq On : 31 Dec 96 1:54 pm
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:25 1996

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0056

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05326.D
Acq On : 31 Dec 96 13:54
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:25 1996

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.22	128	165771	50.00	UG/L	0.10
21) 1,4-Difluorobenzene	12.63	114	544949	50.00	UG/L	0.11
33) Chlorobenzene-d5	17.92	117	432788	50.00	UG/L	0.16
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	96880	17.31	UG/L	
34) Toluene-d8	15.25	98	179910	19.78	UG/L	
43) Bromofluorobenzene	20.08	95	155838	17.61	UG/L	
Target Compounds						Qvalue
2) Chloromethane	5.12	50	66596	54.07	UG/L	93
3) Vinyl Chloride	5.32	62	73154	34.27	UG/L	99
4) Bromomethane	6.17	94	113004	28.47	UG/L	97
5) Chloroethane	6.29	64	52362	32.59	UG/L	100
6) 1,1-Dichloroethene	7.79	96	93785	27.71	UG/L	90
7) Carbon Disulfide	8.72	76	271517	69.82	UG/L	97
8) Acetone	7.53	43	31781	16.04	UG/L	89
9) Methylene Chloride	8.56	84	101725	24.03	UG/L	97
13) trans-1,2-Dichloroethene	9.04	96	98189	24.65	UG/L	94
14) cis-,1,2-Dichloroethene	10.68	96	102471	19.71	UG/L	91
15) 1,2-Dichloroethene (total)	10.68	96	209107m	44.63	UG/L	91
16) 1,1-Dichloroethane	9.71	63	187565	21.95	UG/L	94
17) Chloroform	10.94	83	232008	16.42	UG/L	94
19) 1,2-Dichloroethane	12.24	62	133674	17.17	UG/L	96
20) 2-Butanone	10.32	43	37466	14.03	UG/L	97
22) 1,1,1-Trichloroethane	11.60	97	196074	15.62	UG/L	94
23) Carbon Tetrachloride	12.04	117	186113	14.95	UG/L	91
24) Trichloroethene	13.27	130	124399	18.44	UG/L	97
25) Benzene	12.30	78	202353	22.72	UG/L	98
26) 1,2-Dichloropropane	13.54	63	97992	21.94	UG/L	95
27) Bromodichloromethane	13.95	83	250008	15.53	UG/L	98
28) cis-1,3-Dichloropropene	14.78	75	143214	18.90	UG/L	96
29) trans-1,3-Dichloropropene	15.59	75	125875	17.06	UG/L	95
30) 1,1,2-Trichloroethane	15.91	97	94066	16.60	UG/L	94
31) Dibromochloromethane	16.90	129	199214	13.34	UG/L	99
32) Bromoform	19.74	173	144770	12.25	UG/L	97
35) 4-Methyl-2-Pentanone	14.35	43	60999	14.62	UG/L	93
36) Toluene	15.39	91	216400	20.41	UG/L	98
37) Tetrachloroethene	16.55	164	114448	19.30	UG/L	91
38) 2-Hexanone	15.81	43	57477	13.29	UG/L	93
39) Chlorobenzene	17.99	112	193003	17.73	UG/L	85
40) Ethylbenzene	18.02	106	77149	18.28	UG/L	93
41) Xylene (total)	18.97	106	94926	17.88	UG/L	97

GKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 0054

Data File : C:\HPCHEM\1\DATA\P05326.D
Acq On : 31 Dec 96 13:54
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:25 1996

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	Styrene	19.02	104	154616	16.21	UG/L	95
44)	m/p-Xylene	18.15	106	186624	35.90	UG/L	94
45)	1,1,2,2-Tetrachloroethane	19.89	83	157818	16.82	UG/L	92

V-0055

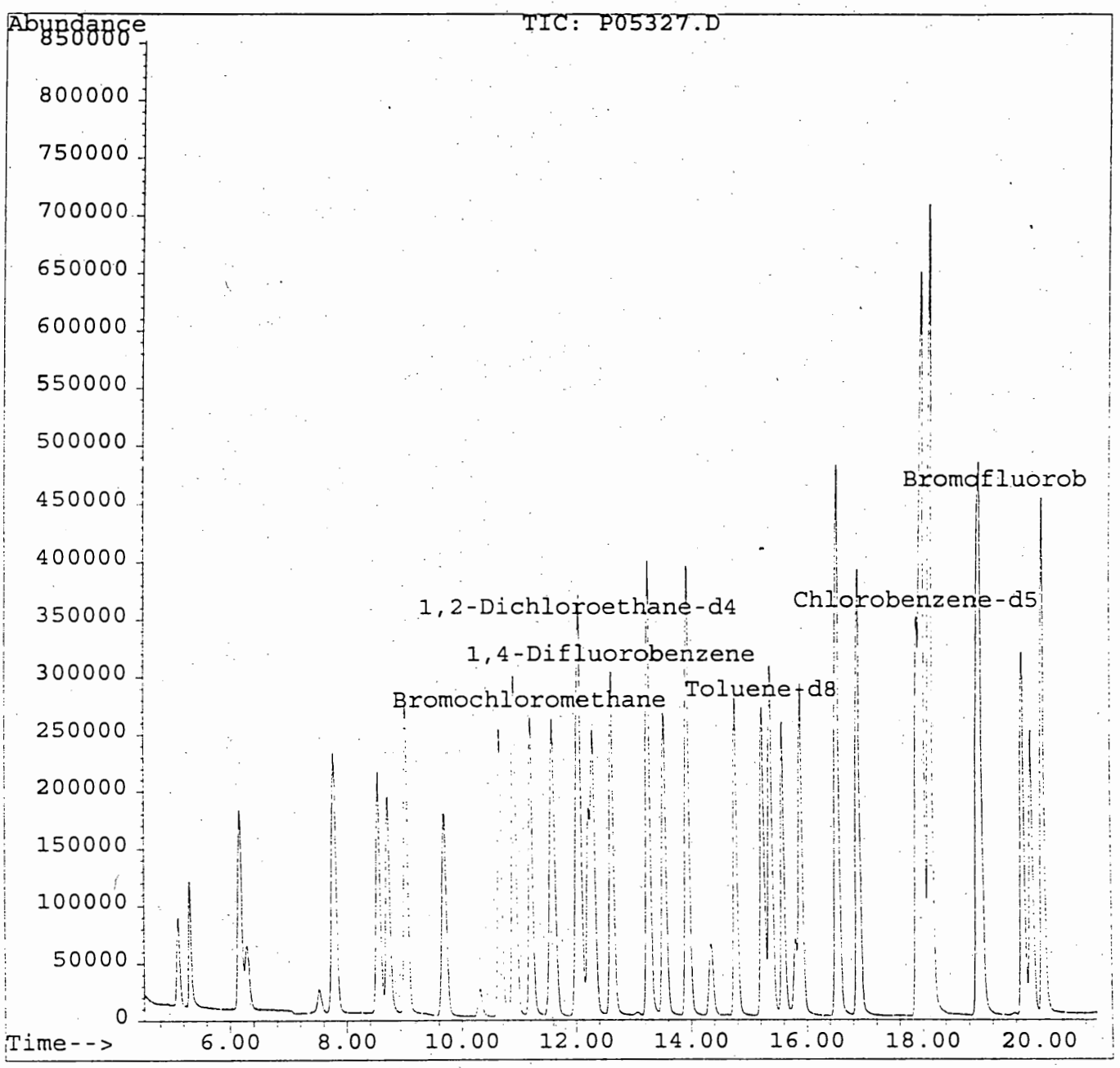
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05327.D
Acq On : 31 Dec 96 2:25 pm
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:26 1996

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0059

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05327.D
Acq On : 31 Dec 96 14:25
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:26 1996

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	160031	50.00	UG/L		0.11
21) 1,4-Difluorobenzene	12.64	114	543573	50.00	UG/L		0.12
33) Chlorobenzene-d5	17.91	117	426386	50.00	UG/L		0.15
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	214961	39.79	UG/L		
34) Toluene-d8	15.25	98	445738	49.75	UG/L		
43) Bromofluorobenzene	20.09	95	374832	42.99	UG/L	#	
Target Compounds							Qvalue
2) Chloromethane	5.12	50	163743	137.71	UG/L		93
3) Vinyl Chloride	5.32	62	174221	84.54	UG/L		99
4) Bromomethane	6.17	94	282476	73.72	UG/L		98
5) Chloroethane	6.30	64	131232	84.60	UG/L		99
6) 1,1-Dichloroethene	7.79	96	235264	72.00	UG/L	#	86
7) Carbon Disulfide	8.73	76	680574	181.29	UG/L		96
8) Acetone	7.52	43	72851	38.09	UG/L		90
9) Methylene Chloride	8.56	84	235103	57.54	UG/L		99
13) trans-1,2-Dichloroethene	9.04	96	250025	65.02	UG/L		96
14) cis-,1,2-Dichloroethene	10.68	96	257229	51.24	UG/L		90
15) 1,2-Dichloroethene (total)	9.04	96	517169m	114.33	UG/L		91
16) 1,1-Dichloroethane	9.70	63	462925	56.13	UG/L		92
17) Chloroform	10.93	83	578022	42.39	UG/L		94
19) 1,2-Dichloroethane	12.22	62	310688	41.34	UG/L		96
20) 2-Butanone	10.33	43	81206	31.51	UG/L		96
22) 1,1,1-Trichloroethane	11.60	97	495768	39.61	UG/L		94
23) Carbon Tetrachloride	12.04	117	471511	37.97	UG/L		93
24) Trichloroethene	13.27	130	305092	45.34	UG/L		97
25) Benzene	12.30	78	508057	57.20	UG/L		99
26) 1,2-Dichloropropane	13.55	63	243355	54.62	UG/L		94
27) Bromodichloromethane	13.94	83	626644	39.03	UG/L		98
28) cis-1,3-Dichloropropene	14.78	75	357066	47.24	UG/L		96
29) trans-1,3-Dichloropropene	15.60	75	303749	41.26	UG/L		95
30) 1,1,2-Trichloroethane	15.91	97	213720	37.82	UG/L		94
31) Dibromochloromethane	16.91	129	478838	32.14	UG/L		98
32) Bromoform	19.73	173	334238	28.36	UG/L		98
35) 4-Methyl-2-Pentanone	14.35	43	128448	31.25	UG/L		97
36) Toluene	15.38	91	540683	51.76	UG/L		98
37) Tetrachloroethene	16.54	164	283683	48.55	UG/L		99
38) 2-Hexanone	15.81	43	119153	27.95	UG/L		98
39) Chlorobenzene	17.99	112	470848	43.90	UG/L		87
40) Ethylbenzene	18.02	106	187463	45.07	UG/L	#	81
41) Xylene (total)	18.97	106	227434	43.49	UG/L	#	77

CKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 0036

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05327.D
Acq On : 31 Dec 96 14:25
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:26 1996

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	Styrene	19.01	104	388085	41.31 UG/L	92
44)	m/p-Xylene	18.15	106	472616	92.27 UG/L	91
45)	1,1,2,2-Tetrachloroethane	19.88	83	336208	36.38 UG/L	91

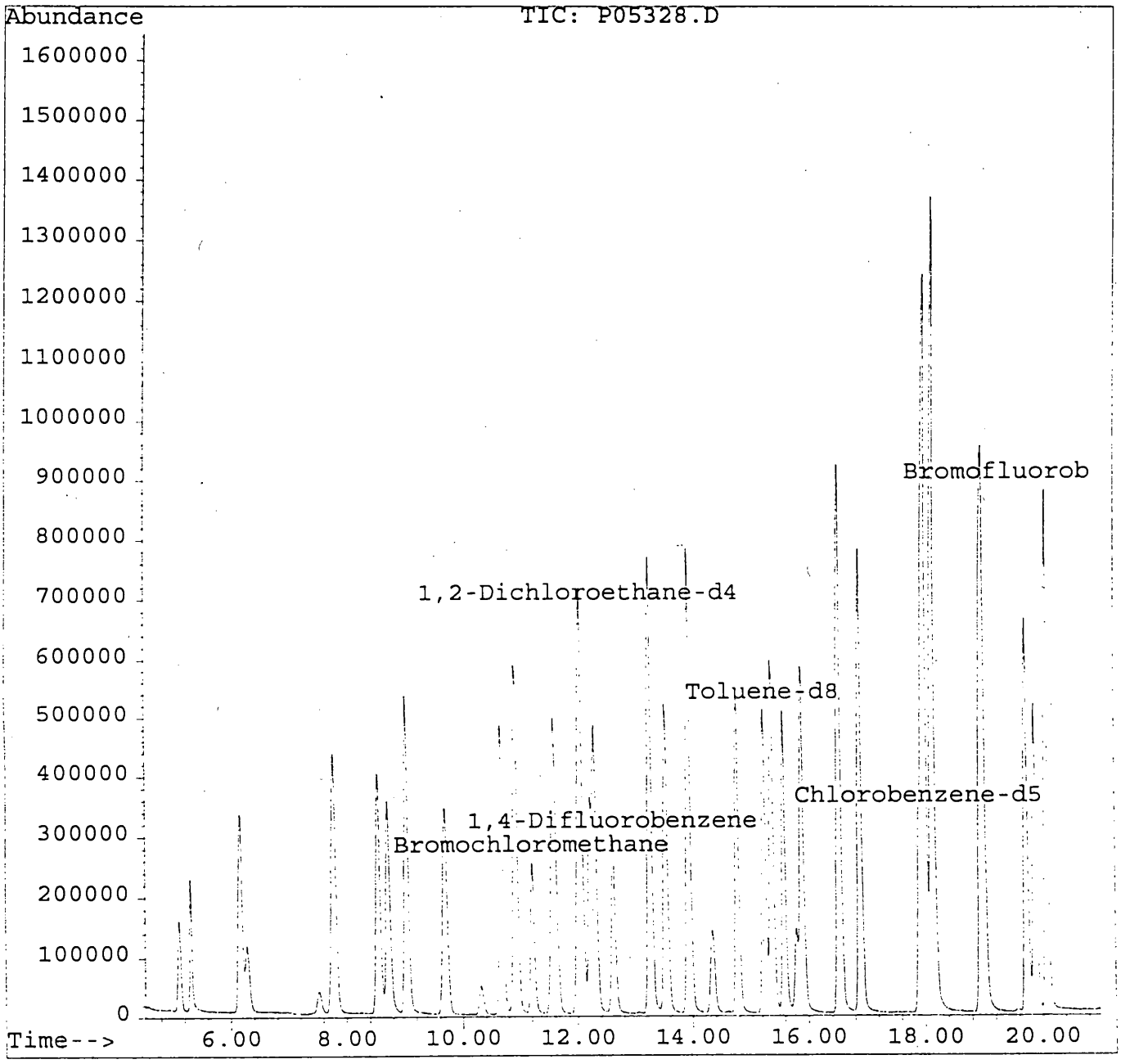
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05328.D
Acq On : 31 Dec 96 2:56 pm
Sample : VSTD100
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:27 1996

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05328.D
Acq On : 31 Dec 96 14:56
Sample : VSTD100
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:27 1996

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.22	128	153530	50.00	UG/L	0.11
21) 1,4-Difluorobenzene	12.62	114	515151	50.00	UG/L	0.11
33) Chlorobenzene-d5	17.91	117	400942	50.00	UG/L	0.15
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.07	65	425320	82.07	UG/L	
34) Toluene-d8	15.25	98	847130	100.55	UG/L	
43) Bromofluorobenzene	20.08	95	720083	87.84	UG/L	
Target Compounds						Qvalue
2) Chloromethane	5.12	50	306958	269.09	UG/L	94
3) Vinyl Chloride	5.31	62	320675	162.20	UG/L	100
4) Bromomethane	6.16	94	540918	147.14	UG/L	98
5) Chloroethane	6.28	64	251025	168.68	UG/L	98
6) 1,1-Dichloroethene	7.78	96	459625	146.63	UG/L	89
7) Carbon Disulfide	8.72	76	1305109	362.38	UG/L	95
8) Acetone	7.53	43	135040	73.60	UG/L	91
9) Methylene Chloride	8.55	84	463576	118.25	UG/L	95
13) trans-1,2-Dichloroethene	9.03	96	486625	131.90	UG/L	96
14) cis-,1,2-Dichloroethene	10.67	96	507760	105.43	UG/L	92
15) 1,2-Dichloroethene (total)	10.67	96	1009753m	232.68	UG/L	97
16) 1,1-Dichloroethane	9.69	63	911138	115.14	UG/L	96
17) Chloroform	10.92	83	1146559	87.64	UG/L	93
19) 1,2-Dichloroethane	12.22	62	633046	87.80	UG/L	93
20) 2-Butanone	10.31	43	164103	66.37	UG/L	97
22) 1,1,1-Trichloroethane	11.59	97	961876	81.08	UG/L	97
23) Carbon Tetrachloride	12.04	117	930523	79.06	UG/L	94
24) Trichloroethene	13.27	130	605692	94.99	UG/L	95
25) Benzene	12.30	78	966958	114.87	UG/L	99
26) 1,2-Dichloropropane	13.53	63	470744	111.48	UG/L	94
27) Bromodichloromethane	13.94	83	1231089	80.91	UG/L	98
28) cis-1,3-Dichloropropene	14.78	75	714759	99.77	UG/L	97
29) trans-1,3-Dichloropropene	15.59	75	615207	88.18	UG/L	94
30) 1,1,2-Trichloroethane	15.90	97	434107	81.06	UG/L	95
31) Dibromochloromethane	16.89	129	964667	68.31	UG/L	95
32) Bromoform	19.73	173	695850	62.31	UG/L	99
35) 4-Methyl-2-Pentanone	14.35	43	279042	72.19	UG/L	96
36) Toluene	15.38	91	1049404	106.83	UG/L	98
37) Tetrachloroethene	16.54	164	551491	100.37	UG/L	99
38) 2-Hexanone	15.80	43	247368	61.72	UG/L	98
39) Chlorobenzene	17.99	112	912723	90.50	UG/L	88
40) Ethylbenzene	18.02	106	366224	93.64	UG/L #	80
41) Xylene (total)	18.97	106	449495	91.41	UG/L #	84

GKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 00?.?

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05328.D
Acq On : 31 Dec 96 14:56
Sample : VSTD100
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:27 1996

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	Styrene	19.02	104	775922	87.83	UG/L	93
44)	m/p-Xylene	18.15	106	914717	189.92	UG/L	95
45)	1,1,2,2-Tetrachloroethane	19.88	83	699283	80.47	UG/L	95

(#) = qualifier out of range (m) = manual integration

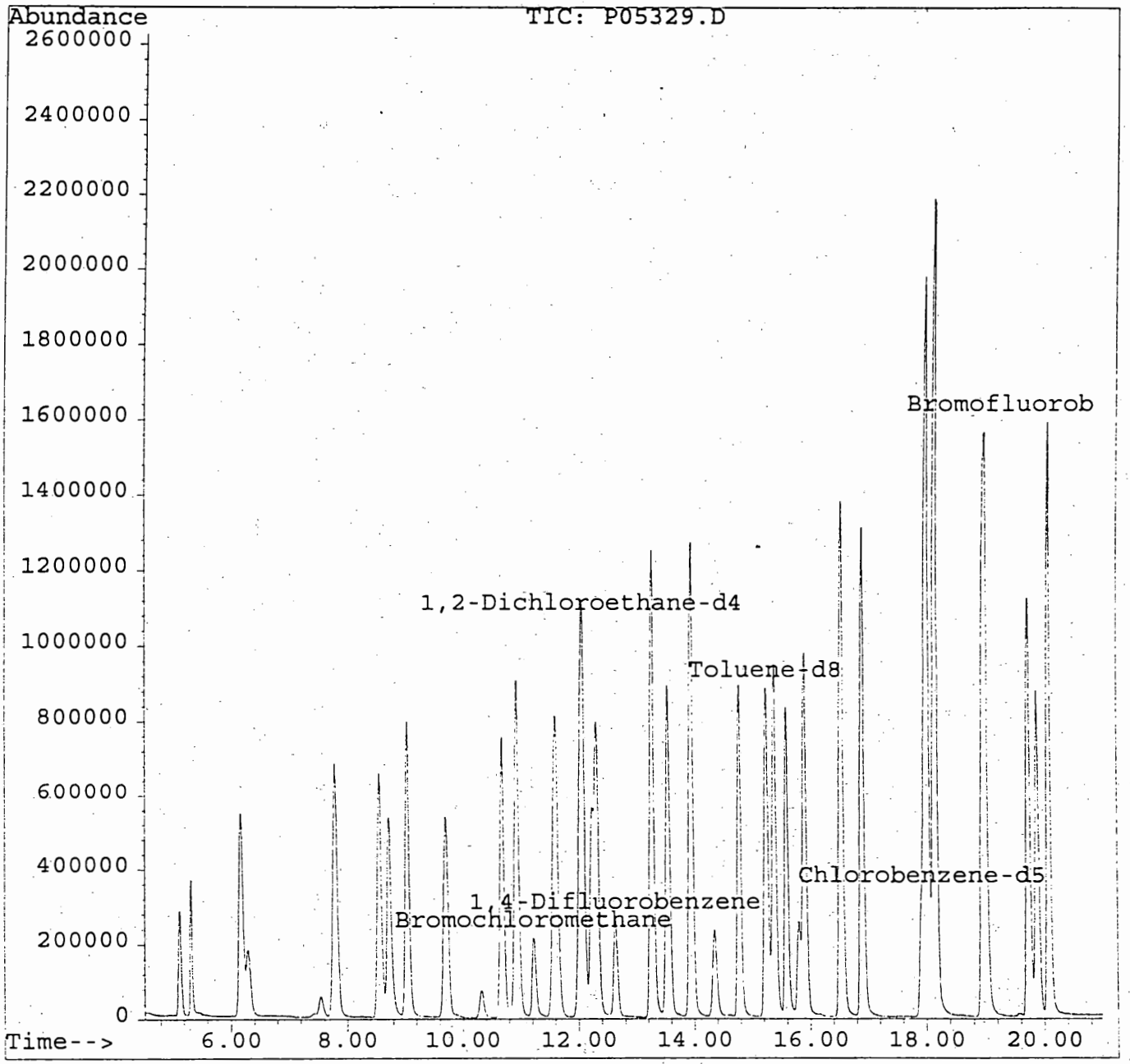
V 0611

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05329.D
Acq On : 31 Dec 96 3:27 pm
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:54 1996

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V0095

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05329.D
Acq On : 31 Dec 96 15:27
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:54 1996

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05327.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	130356	50.00	UG/L		0.11
21) 1,4-Difluorobenzene	12.64	114	462132	50.00	UG/L		0.12
33) Chlorobenzene-d5	17.91	117	364829	50.00	UG/L		0.15
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	690794	157.00	UG/L		
34) Toluene-d8	15.25	98	1483978	193.57	UG/L		
43) Bromofluorobenzene	20.08	95	1320691	177.05	UG/L		
Target Compounds							Qvalue
2) Chloromethane	5.13	50	539905	557.43	UG/L		93
3) Vinyl Chloride	5.33	62	501691	298.87	UG/L		100
4) Bromomethane	6.17	94	927896	297.27	UG/L		99
5) Chloroethane	6.30	64	424956	336.32	UG/L		97
6) 1,1-Dichloroethene	7.79	96	699768	262.92	UG/L	#	88
7) Carbon Disulfide	8.73	76	2089241	683.23	UG/L		94
8) Acetone	7.55	43	204154	131.06	UG/L		88
9) Methylene Chloride	8.57	84	767869	230.69	UG/L		93
13) trans-1,2-Dichloroethene	9.05	96	731493	233.52	UG/L		97
14) cis-,1,2-Dichloroethene	10.68	96	768317	187.89	UG/L		92
15) 1,2-Dichloroethene (total)	10.68	96	1520793m	412.74	UG/L		94
16) 1,1-Dichloroethane	9.70	63	1394477	207.55	UG/L		97
17) Chloroform	10.94	83	1778880	160.14	UG/L		95
19) 1,2-Dichloroethane	12.23	62	984221	160.78	UG/L		95
20) 2-Butanone	10.32	43	248637	118.44	UG/L		96
22) 1,1,1-Trichloroethane	11.60	97	1586964	149.13	UG/L		96
23) Carbon Tetrachloride	12.05	117	1463009	138.57	UG/L		89
24) Trichloroethene	13.26	130	993648	173.71	UG/L		96
25) Benzene	12.31	78	1621637	214.74	UG/L		99
26) 1,2-Dichloropropane	13.55	63	810012	213.84	UG/L		94
27) Bromodichloromethane	13.95	83	2028675	148.63	UG/L		96
28) cis-1,3-Dichloropropene	14.78	75	1177066	183.16	UG/L		96
29) trans-1,3-Dichloropropene	15.59	75	1033739	165.16	UG/L		93
30) 1,1,2-Trichloroethane	15.91	97	729180	151.79	UG/L		95
31) Dibromochloromethane	16.91	129	1645590	129.90	UG/L		100
32) Bromoform	19.74	173	1230643	122.84	UG/L		98
35) 4-Methyl-2-Pentanone	14.35	43	469585	133.50	UG/L		95
36) Toluene	15.39	91	1671037	186.95	UG/L		97
37) Tetrachloroethene	16.54	164	836252	167.26	UG/L		99
38) 2-Hexanone	15.81	43	440020	120.65	UG/L		96
39) Chlorobenzene	17.98	112	1497326	163.16	UG/L		94
40) Ethylbenzene	18.02	106	579355	162.81	UG/L	#	77
41) Xylene (total)	18.96	106	750039	167.63	UG/L		90

CKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 00316

Data File : C:\HPCHEM\1\DATA\P05329.D
Acq On : 31 Dec 96 15:27
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:54 1996

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05327.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) Styrene	19.01	104	1296307	161.26	UG/L	95
44) m/p-Xylene	18.15	106	1499552	342.16	UG/L	93
45) 1,1,2,2-Tetrachloroethane	19.88	83	1198209	151.53	UG/L	97

(#) = qualifier out of range (m) = manual integration

V 0097

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Instrument ID: H5970-3 Calibration Date: 01/24/97 Time: 10:19

Lab File ID: P05461.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) Y Init. Calib. Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.061	1.066		-0.4	
Bromomethane	1.832	1.988	0.100	-8.5	25.0
Vinyl Chloride	1.139	1.253	0.100	-10.0	25.0
Chloroethane	0.844	1.013		-20.1	
Methylene Chloride	1.538	1.814		-18.0	
Acetone	0.441	0.542		-22.8	
Carbon Disulfide	4.320	5.124		-18.6	
1,1-Dichloroethene	1.515	1.824	0.100	-20.4	25.0
1,1-Dichloroethane	2.916	3.426	0.200	-17.5	25.0
1,2-Dichloroethene (total)	1.655	2.003		-21.0	
Chloroform	3.634	4.512	0.200	-24.1	25.0
1,2-Dichloroethane	1.982	2.358	0.100	-19.0	25.0
2-Butanone	0.513	0.599		-16.7	
1,1,1-Trichloroethane	0.904	1.069	0.100	-18.3	25.0
Carbon Tetrachloride	0.852	1.045	0.100	-22.7	25.0
Bromodichloromethane	1.111	1.292	0.200	-16.3	25.0
1,2-Dichloropropane	0.439	0.472		-7.5	
cis-1,3-Dichloropropene	0.634	0.717	0.200	-13.0	25.0
Trichloroethene	0.562	0.625	0.300	-11.3	25.0
Benzene	0.910	1.020	0.500	-12.1	25.0
Dibromochloromethane	0.860	0.939	0.100	-9.3	25.0
trans-1,3-Dichloropropene	0.544	0.613	0.100	-12.6	25.0
1,1,2-Trichloroethane	0.404	0.425	0.100	-5.0	25.0
Bromoform	0.613	0.648	0.100	-5.7	25.0
4-Methyl-2-Pentanone	0.332	0.312		6.2	
2-Hexanone	0.336	0.315		6.1	
Tetrachloroethene	0.640	0.732	0.200	-14.4	25.0
1,1,2,2-Tetrachloroethane	0.856	0.859	0.500	-0.3	25.0
Toluene	1.234	1.380	0.400	-11.8	25.0
Chlorobenzene	1.102	1.237	0.500	-12.3	25.0
Ethylbenzene	0.434	0.478	0.100	-10.0	25.0
Styrene	0.907	0.979	0.300	-7.9	25.0
Xylene (total)	0.532	0.585	0.300	-9.9	25.0
1,2-Dichloroethane-d4	1.397	1.507		-7.9	
Toluene-d8	1.050	1.037		1.2	
Bromofluorobenzene	0.907	0.947	0.200	-4.4	25.0

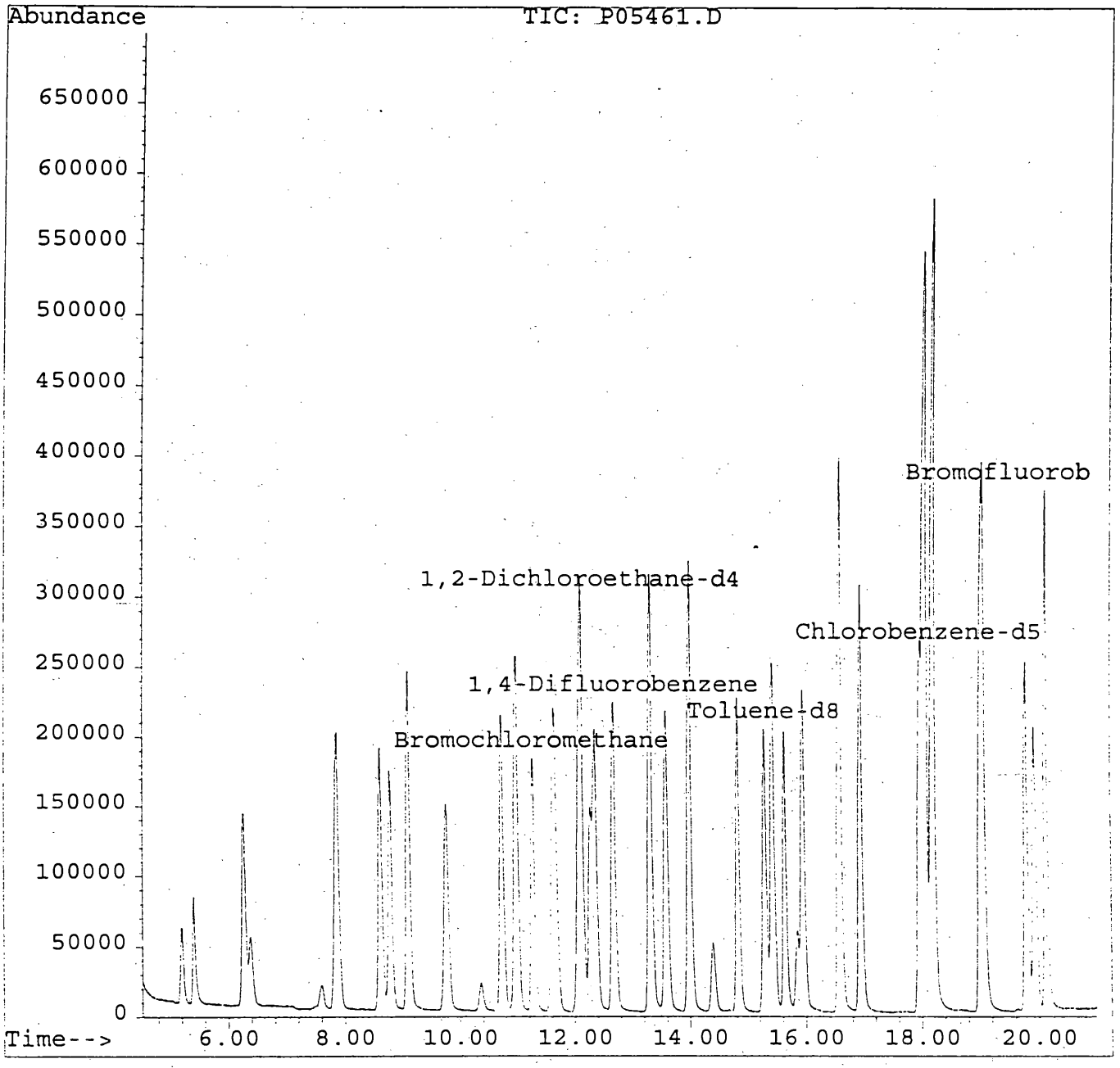
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05461.D
Acq On : 24 Jan 97 10:19 am
Sample : VSTD050
Misc : H5970-3 1/24/97
Quant Time: Jan 24 10:46 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 00?:1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05461.D
Acq On : 24 Jan 97 10:19
Sample : VSTD050
Misc : H5970-3 1/24/97
Quant Time: Jan 24 10:46 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 20 11:51:41 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05425.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.27	128	109635	50.00	UG/L		-0.03
21) 1,4-Difluorobenzene	12.68	114	392211	50.00	UG/L		-0.04
33) Chlorobenzene-d5	17.96	117	313283	50.00	UG/L		-0.04
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.12	65	165189	51.44	UG/L		102.88%
34) Toluene-d8	15.29	98	324802	50.83	UG/L		101.65%
43) Bromofluorobenzene	20.13	95	296686	51.81	UG/L		103.62%
Target Compounds							Qvalue
2) Chloromethane	5.20	50	116817	50.37	UG/L		92
3) Vinyl Chloride	5.41	62	137420	52.54	UG/L		100
4) Bromomethane	6.26	94	217977	56.62	UG/L		98
5) Chloroethane	6.38	64	111087	56.35	UG/L		100
6) 1,1-Dichloroethene	7.87	96	199957	56.77	UG/L	#	85
7) Carbon Disulfide	8.79	76	561779	55.96	UG/L		94
8) Acetone	7.59	43	59404	46.82	UG/L		89
9) Methylene Chloride	8.62	84	198903	55.66	UG/L		97
13) trans-1,2-Dichloroethene	9.11	96	215635	57.67	UG/L		95
14) cis-,1,2-Dichloroethene	10.73	96	214436	55.45	UG/L		89
15) 1,2-Dichloroethene (total)	9.11	96	439239m	112.53	UG/L		90
16) 1,1-Dichloroethane	9.77	63	375607	54.02	UG/L		94
17) Chloroform	10.98	83	494623	56.27	UG/L		94
19) 1,2-Dichloroethane	12.28	62	258530	51.79	UG/L		93
20) 2-Butanone	10.37	43	65689	46.57	UG/L		96
22) 1,1,1-Trichloroethane	11.65	97	419111	55.92	UG/L		94
23) Carbon Tetrachloride	12.11	117	409913	56.67	UG/L		93
24) Trichloroethene	13.31	130	245316	53.66	UG/L		94
25) Benzene	12.36	78	400195	50.45	UG/L		97
26) 1,2-Dichloropropane	13.59	63	184937	48.97	UG/L		92
27) Bromodichloromethane	13.99	83	506665	53.37	UG/L		98
28) cis-1,3-Dichloropropene	14.83	75	281153	50.93	UG/L		94
29) trans-1,3-Dichloropropene	15.64	75	240322	49.55	UG/L		97
30) 1,1,2-Trichloroethane	15.96	97	166562	48.98	UG/L		94
31) Dibromochloromethane	16.95	129	368409	50.03	UG/L		99
32) Bromoform	19.79	173	254163	48.09	UG/L		97
35) 4-Methyl-2-Pentanone	14.39	43	97687	42.48	UG/L		93
36) Toluene	15.43	91	432399	52.38	UG/L		100
37) Tetrachloroethene	16.59	164	229451	53.31	UG/L		99
38) 2-Hexanone	15.84	43	98713	45.33	UG/L		94
39) Chlorobenzene	18.03	112	387658	52.61	UG/L		89
40) Ethylbenzene	18.07	106	149606	52.16	UG/L	#	74
41) Xylene (total)	19.02	106	183223	52.16	UG/L	#	88

GKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V 0100

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05461.D
Acq On : 24 Jan 97 10:19
Sample : VSTD050
Misc : H5970-3 1/24/97
Quant Time: Jan 24 10:46 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 20 11:51:41 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05425.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42) Styrene	19.06	104	306703	51.59	UG/L	92
44) m/p-Xylene	18.20	106	381644	106.06	UG/L	95
45) 1,1,2,2-Tetrachloroethane	19.93	83	268944	46.91	UG/L	94

(#) = qualifier out of range (m) = manual integration

V 0101

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Instrument ID: H5970-3 Calibration Date: 02/05/97 Time: 12:13

Lab File ID: P05558.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) Y Init. Calib. Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.061	0.918		13.5	
Bromomethane	1.832	1.911	0.100	-4.3	25.0
Vinyl Chloride	1.139	1.145	0.100	-0.5	25.0
Chloroethane	0.844	0.918		-8.8	
Methylene Chloride	1.538	1.819		-18.2	
Acetone	0.441	0.619		-40.2	
Carbon Disulfide	4.320	4.859		-12.5	
1,1-Dichloroethene	1.515	1.776	0.100	-17.2	25.0
1,1-Dichloroethane	2.916	3.531	0.200	-21.1	25.0
1,2-Dichloroethene (total)	1.655	1.963		-18.6	
Chloroform	3.634	4.765	0.200	-31.1	25.0
1,2-Dichloroethane	1.982	2.493	0.100	-25.8	25.0
2-Butanone	0.513	0.665		-29.6	
1,1,1-Trichloroethane	0.904	1.079	0.100	-19.4	25.0
Carbon Tetrachloride	0.852	1.052	0.100	-23.5	25.0
Bromodichloromethane	1.111	1.342	0.200	-20.7	25.0
1,2-Dichloropropane	0.439	0.473		-7.8	
cis-1,3-Dichloropropene	0.634	0.712	0.200	-12.2	25.0
Trichloroethene	0.562	0.623	0.300	-10.8	25.0
Benzene	0.910	0.990	0.500	-8.7	25.0
Dibromochloromethane	0.860	0.998	0.100	-16.1	25.0
trans-1,3-Dichloropropene	0.544	0.618	0.100	-13.6	25.0
1,1,2-Trichloroethane	0.404	0.432	0.100	-6.8	25.0
Bromoform	0.613	0.707	0.100	-15.3	25.0
4-Methyl-2-Pentanone	0.332	0.313		5.8	
2-Hexanone	0.336	0.316		5.9	
Tetrachloroethene	0.640	0.694	0.200	-8.5	25.0
1,1,2,2-Tetrachloroethane	0.856	0.857	0.500	-0.1	25.0
Toluene	1.234	1.250	0.400	-1.3	25.0
Chlorobenzene	1.102	1.146	0.500	-3.9	25.0
Ethylbenzene	0.434	0.448	0.100	-3.1	25.0
Styrene	0.907	0.915	0.300	-0.9	25.0
Xylene (total)	0.532	0.541	0.300	-1.7	25.0
1,2-Dichloroethane-d4	1.397	1.592		-13.9	
Toluene-d8	1.050	0.952		9.3	
Bromofluorobenzene	0.907	1.005	0.200	-10.8	25.0

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05558.D
Acq On : 5 Feb 97 12:13
Sample : VSTD050
Misc : H5970-3 2/5/97
Quant Time: Feb 5 12:45 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 31 12:12:47 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05553.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.08	128	86431	50.00	UG/L		-0.02
21) 1,4-Difluorobenzene	12.49	114	323663	50.00	UG/L		-0.02
33) Chlorobenzene-d5	17.76	117	276170	50.00	UG/L		-0.02
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	11.95	65	137572	52.93	UG/L		105.87%
34) Toluene-d8	15.11	98	262808	49.22	UG/L		98.45%
43) Bromofluorobenzene	19.94	95	277460	51.79	UG/L		103.57%
Target Compounds							Qvalue
2) Chloromethane	5.07	50	79316	46.24	UG/L		96
3) Vinyl Chloride	5.28	62	98917	50.08	UG/L		97
4) Bromomethane	6.11	94	165126	49.24	UG/L		98
5) Chloroethane	6.23	64	79324	48.94	UG/L		98
6) 1,1-Dichloroethene	7.70	96	153485	50.51	UG/L	#	84
7) Carbon Disulfide	8.62	76	419985	53.52	UG/L		92
8) Acetone	7.43	43	53482	54.08	UG/L		90
9) Methylene Chloride	8.44	84	157183	52.93	UG/L		99
13) trans-1,2-Dichloroethene	8.93	96	167590	54.02	UG/L		94
14) cis-,1,2-Dichloroethene	10.55	96	164369	49.35	UG/L		87
15) 1,2-Dichloroethene (total)	8.93	96	339265m	102.52	UG/L		89
16) 1,1-Dichloroethane	9.59	63	305182	51.78	UG/L		96
17) Chloroform	10.80	83	411856	53.40	UG/L		96
19) 1,2-Dichloroethane	12.09	62	215487	53.34	UG/L		93
20) 2-Butanone	10.19	43	57505	54.31	UG/L		96
22) 1,1,1-Trichloroethane	11.46	97	349314	54.65	UG/L		96
23) Carbon Tetrachloride	11.90	117	340522	55.34	UG/L		95
24) Trichloroethene	13.13	130	201556	51.61	UG/L		96
25) Benzene	12.17	78	320334	50.04	UG/L		98
26) 1,2-Dichloropropane	13.40	63	153144	52.49	UG/L		92
27) Bromodichloromethane	13.81	83	434206	55.10	UG/L		98
28) cis-1,3-Dichloropropene	14.64	75	230367	53.91	UG/L		94
29) trans-1,3-Dichloropropene	15.46	75	200108	54.31	UG/L		96
30) 1,1,2-Trichloroethane	15.77	97	139800	54.09	UG/L		91
31) Dibromochloromethane	16.76	129	323159	54.56	UG/L		96
32) Bromoform	19.58	173	228692	55.96	UG/L		99
35) 4-Methyl-2-Pentanone	14.22	43	86476	57.24	UG/L		95
36) Toluene	15.25	91	345327	52.23	UG/L		99
37) Tetrachloroethene	16.40	164	191747	51.91	UG/L		98
38) 2-Hexanone	15.67	43	87180	57.56	UG/L		96
39) Chlorobenzene	17.84	112	316385	52.69	UG/L		84
40) Ethylbenzene	17.87	106	123674	50.98	UG/L	#	78
41) Xylene (total)	18.81	106	149421	51.43	UG/L	#	79

GKB 2/6/97

(#) = qualifier out of range (m) = manual integration

V C10-1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05558.D
Acq On : 5 Feb 97 12:13
Sample : VSTD050
Misc : H5970-3 2/5/97
Quant Time: Feb 5 12:45 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 31 12:12:47 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05553.D

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
42) Styrene	18.87	104	252684	53.73	UG/L		92
44) m/p-Xylene	18.01	106	303535	103.57	UG/L	#	82
45) 1,1,2,2-Tetrachloroethane	19.73	83	236632	57.22	UG/L		94

(#) = qualifier out of range (m) = manual integration

V 0106

IV. RAW QC DATA PACKAGE FOR VOLATILE ORGANICS

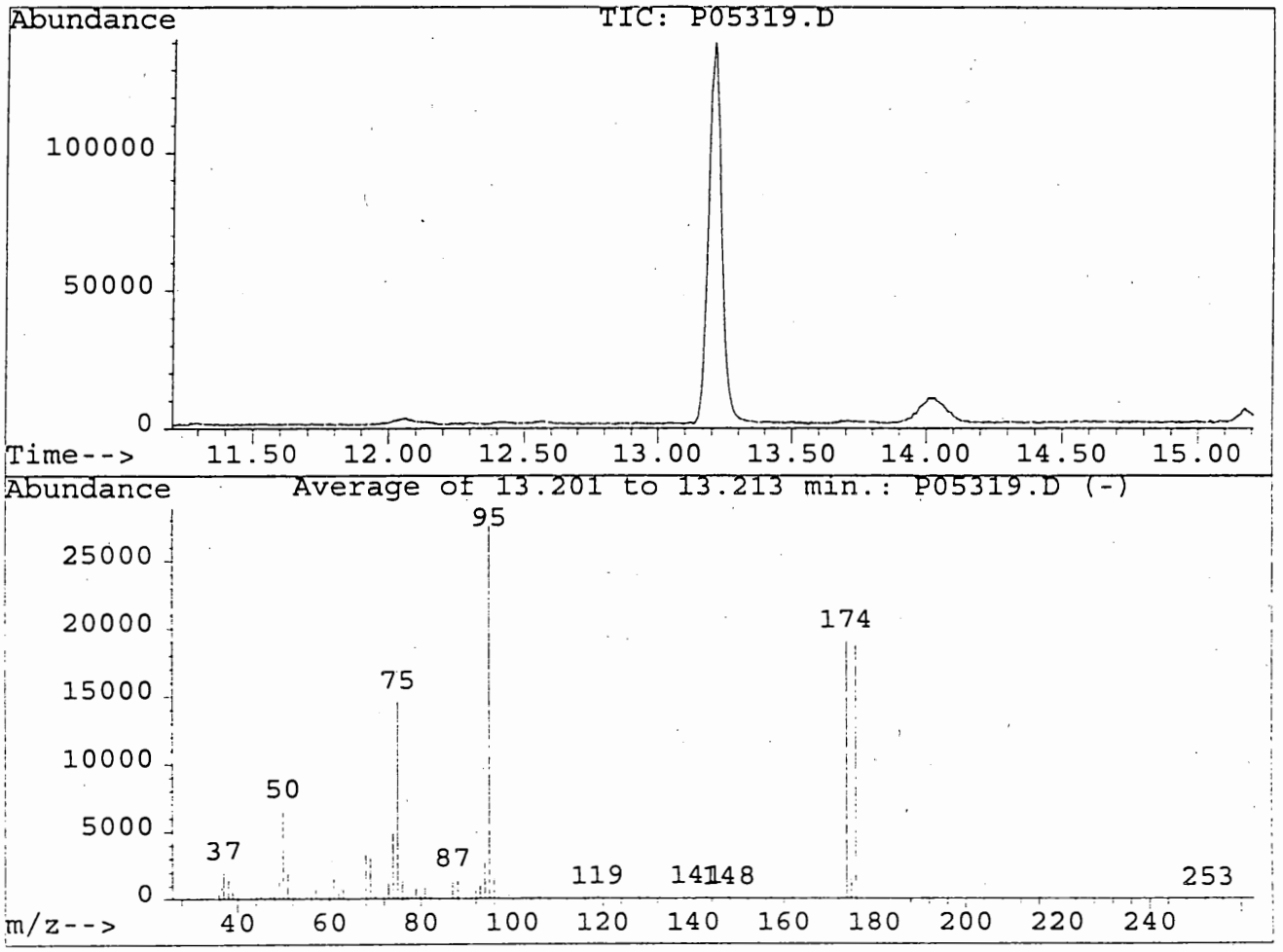
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B. BLANK
C. MATRIX SPIKE BLANK
D. SPIKE AND SPIKE DUPLICATE
E. COPY OF CALCULATIONS

BFB

Data File : C:\HPCHEM\1\DATA\P05319.D
Acq On : 31 Dec 96 9:05 am
Sample : 50 NG BFB
Misc : H5970-3 12/31/96

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\PUHS.M
Title : 8260 Purgable Organics



Scans Used: 1604 1605 1606 Bkg: 1587

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	6589	PASS
75	95	30	60	52.9	14581	PASS
95	95	100	100	100.0	27571	PASS
96	95	5	9	7.1	1947	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	19077	PASS
175	174	5	9	8.0	1529	PASS
176	174	95	101	98.2	18739	PASS
177	176	5	9	6.9	1295	PASS

P05319.D PUHS.M Thu Feb 06 09:58:50 1997 MASSPEC1

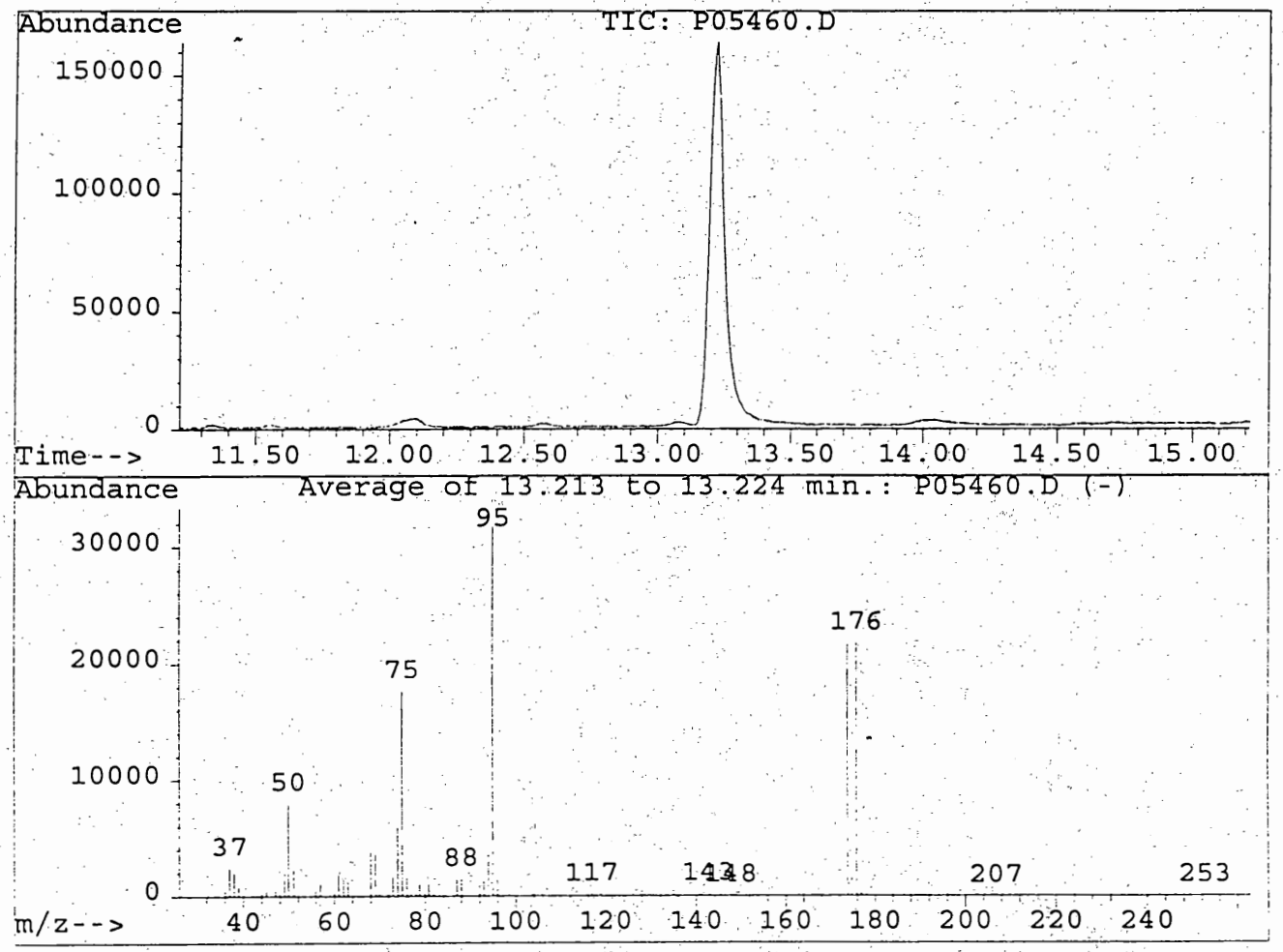
V 0107

BFB

Data File : C:\HPCHEM\1\DATA\P05460.D
Acq On : 24 Jan 97 9:11 am
Sample : 50 NG BFB
Misc : H5970-3 1/24/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\PUHS.M
Title : 8260 Purgable Organics



Scans Used: 1606 1607 1608 Bkg: 1589

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	8032	PASS
75	95	30	60	55.6	17680	PASS
95	95	100	100	100.0	31819	PASS
96	95	5	9	7.6	2427	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	21723	PASS
175	174	5	9	7.4	1603	PASS
176	174	95	101	100.3	21797	PASS
177	176	5	9	6.8	1491	PASS

P05460.D PUHS.M Thu Feb 06 09:59:29 1997 MASSPEC1

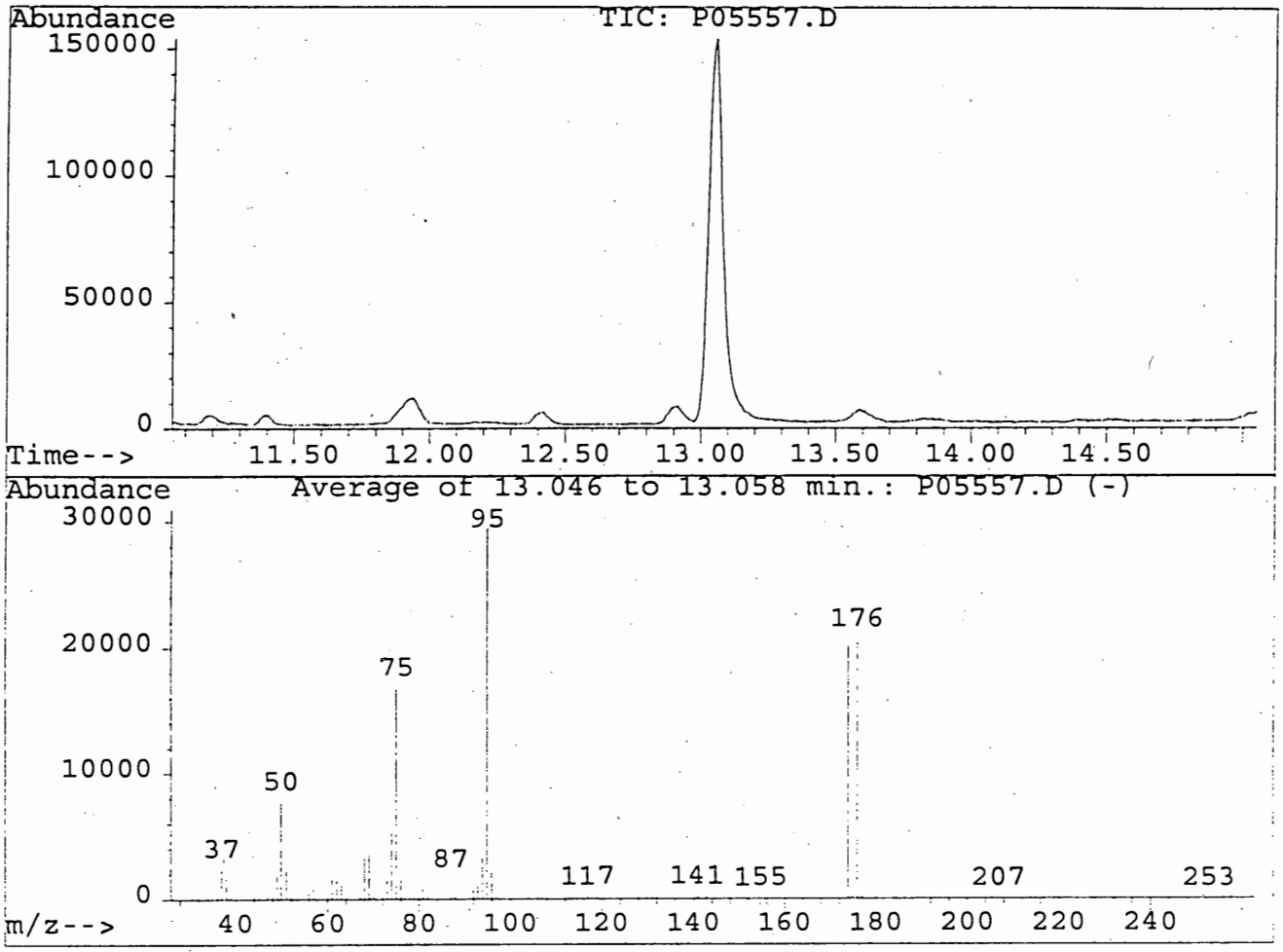
V 010

BFB

Data File : C:\HPCHEM\1\DATA\P05557.D
Acq On : 5 Feb 97 10:17 am
Sample : 50 NG BFB
Misc : H5970-3 2/5/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\PUHS.M
Title : 8260 Purgable Organics



Scans Used: 1576 1577 1578 Bkg: 1560

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.0	7689	PASS
75	95	30	60	56.9	16798	PASS
95	95	100	100	100.0	29540	PASS
96	95	5	9	7.2	2115	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.5	20523	PASS
175	174	5	9	6.4	1317	PASS
176	174	95	101	100.6	20643	PASS
177	176	5	9	6.3	1307	PASS

P05557.D PUHS.M Thu Feb 06 09:59:56 1997 MASSPEC1

V 010

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK01

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK01

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

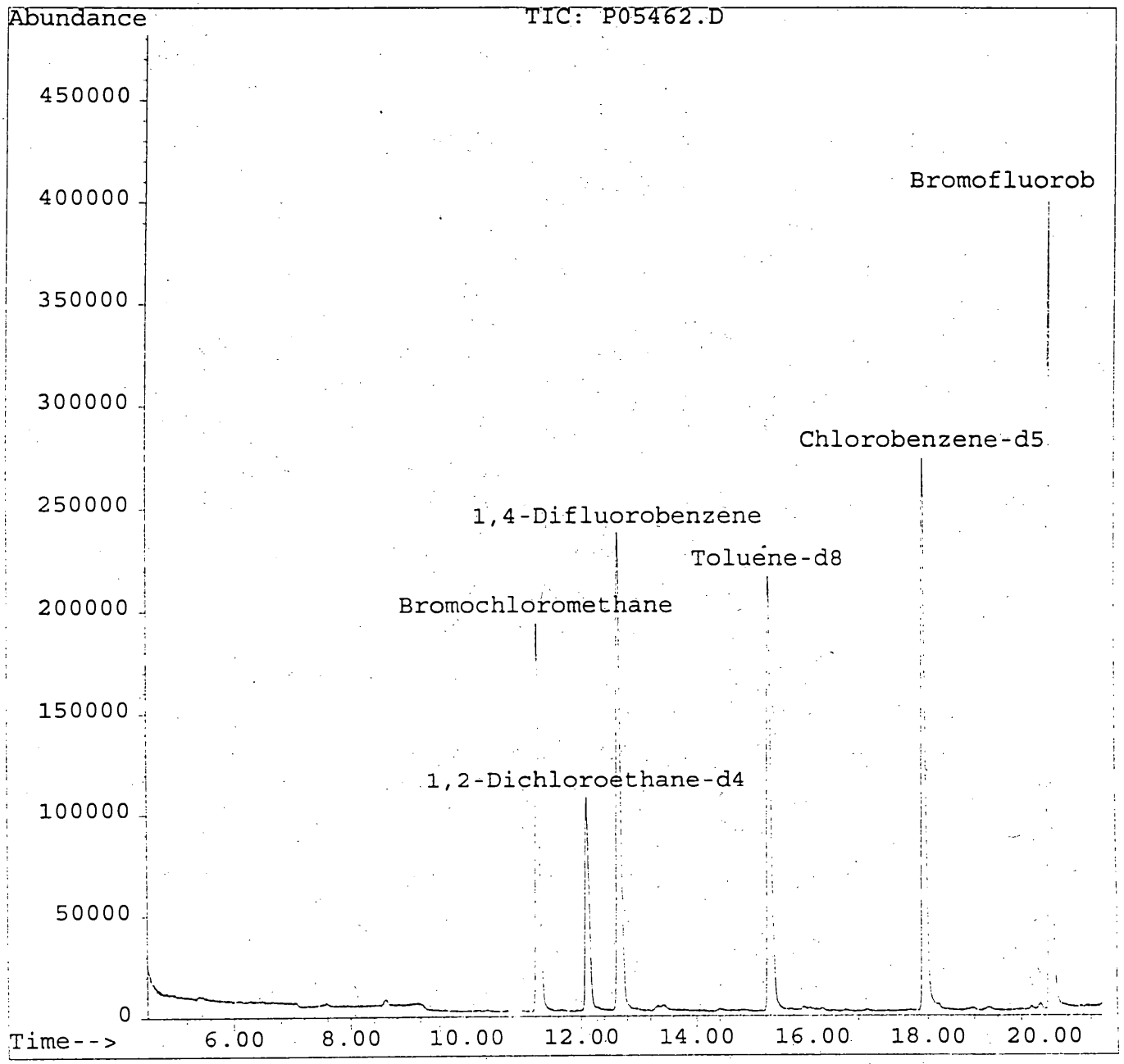
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05462.D
Acq On : 24 Jan 97 10:59 am
Sample : VBLK24
Misc : H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:52 1997

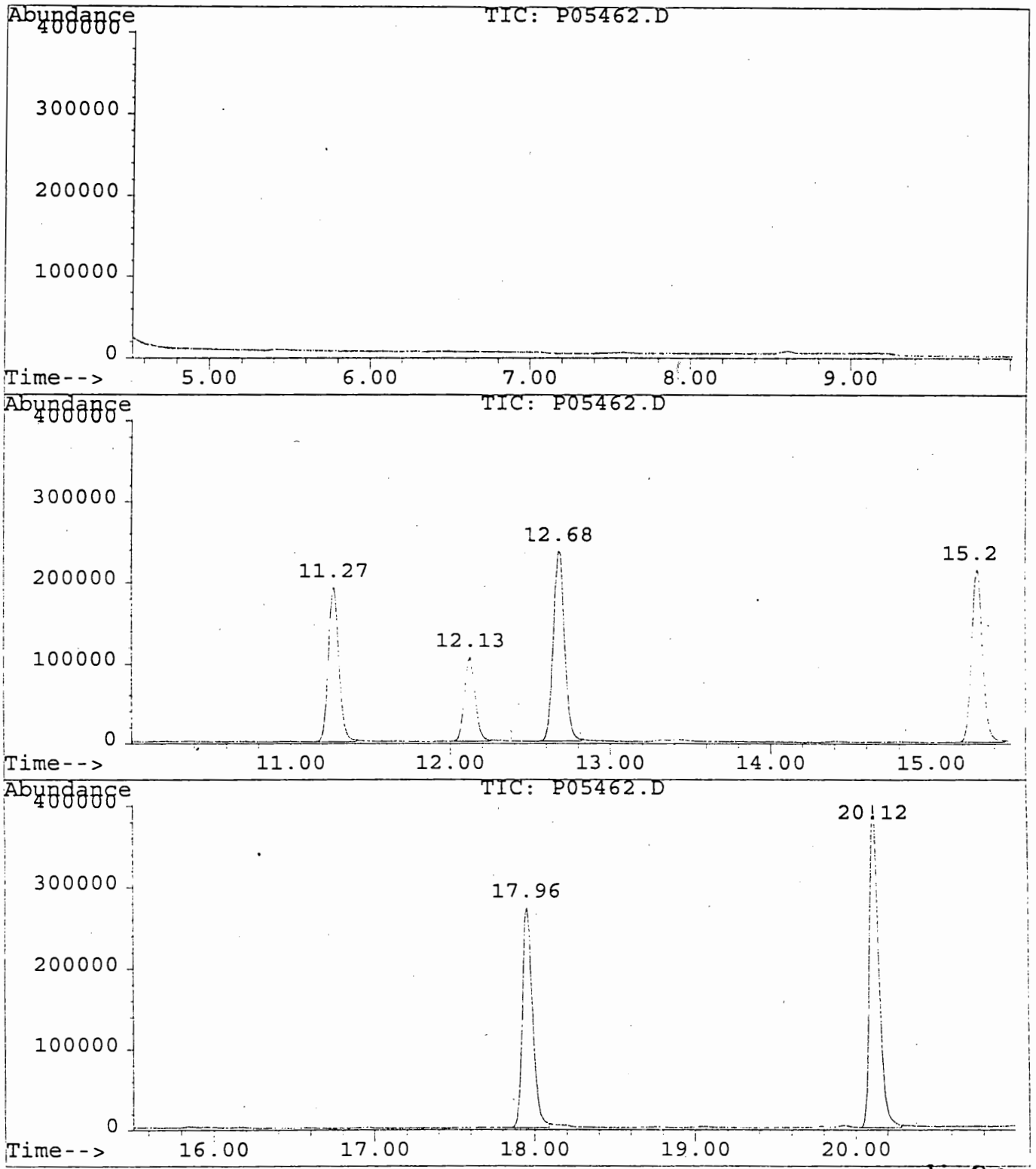
Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 011

File : C:\HPCHEM\1\DATA\P05462.D
Operator : GLENN
Acquired : 24 Jan 97 10:59 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: VBLK24
Misc Info : H5970-3 1/24/97 5.0G
Vial Number: 2



V 011.3

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\P05462.D
Acq On : 24 Jan 97 10:59
Sample : VBLK24
Misc : H5970-3 1/24/97 5.0G

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0115

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK02

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: VBLK5

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05559.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 02/05/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

V 611

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: VBLK5

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05559.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 02/05/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

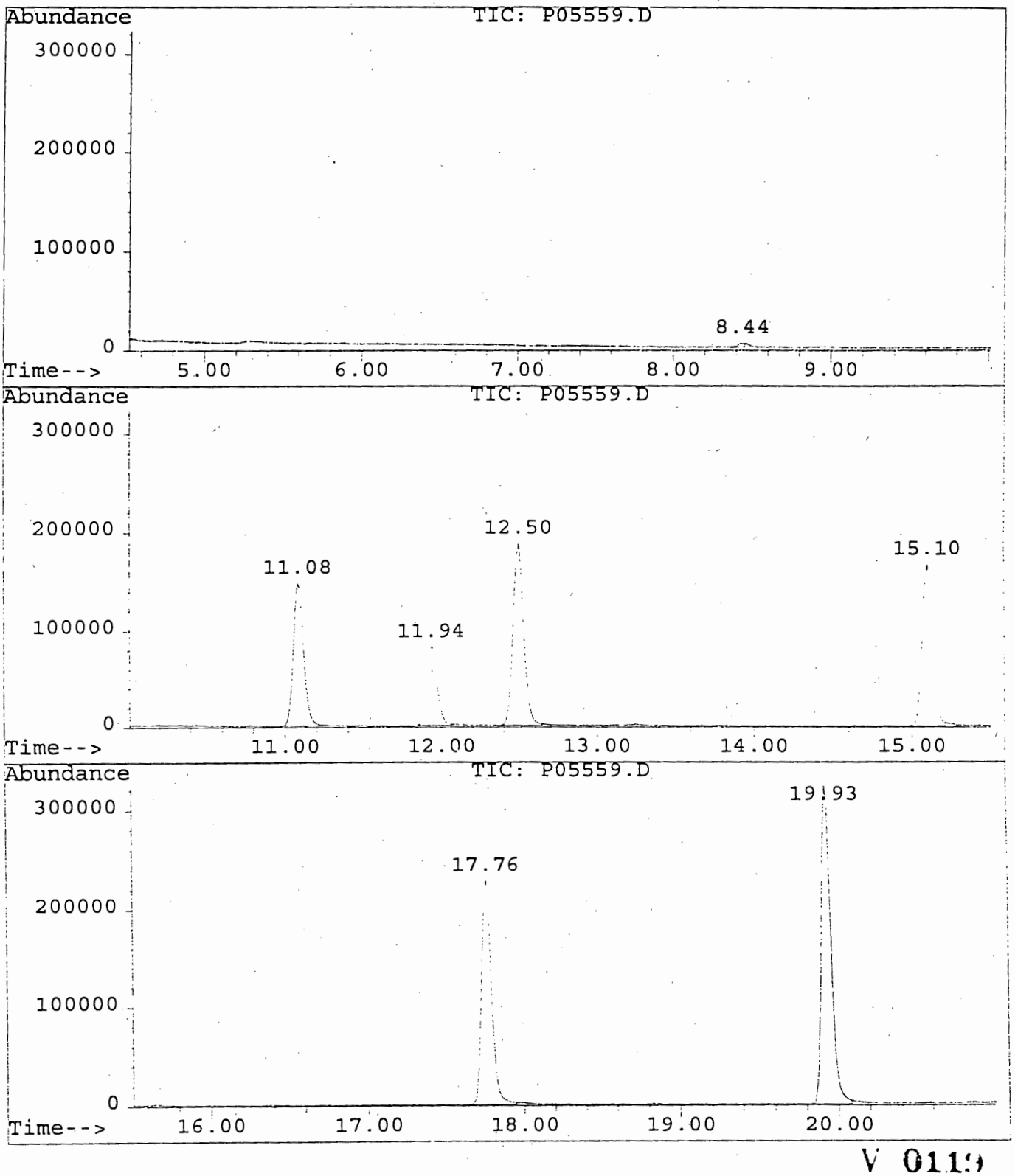
Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

File : C:\HPCHEM\1\DATA\P05559.D
Operator : GLENN
Acquired : 5 Feb 97 13:36 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: VBLK5
Misc Info : H5970-3 2/5/97 5.0G
Vial Number: 2



V 0119

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MSB24

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: MSB24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05463.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	42	
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	45	
71-43-2	Benzene	45	
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	43	
108-90-7	Chlorobenzene	44	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MSB24

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: MSB24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05463.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

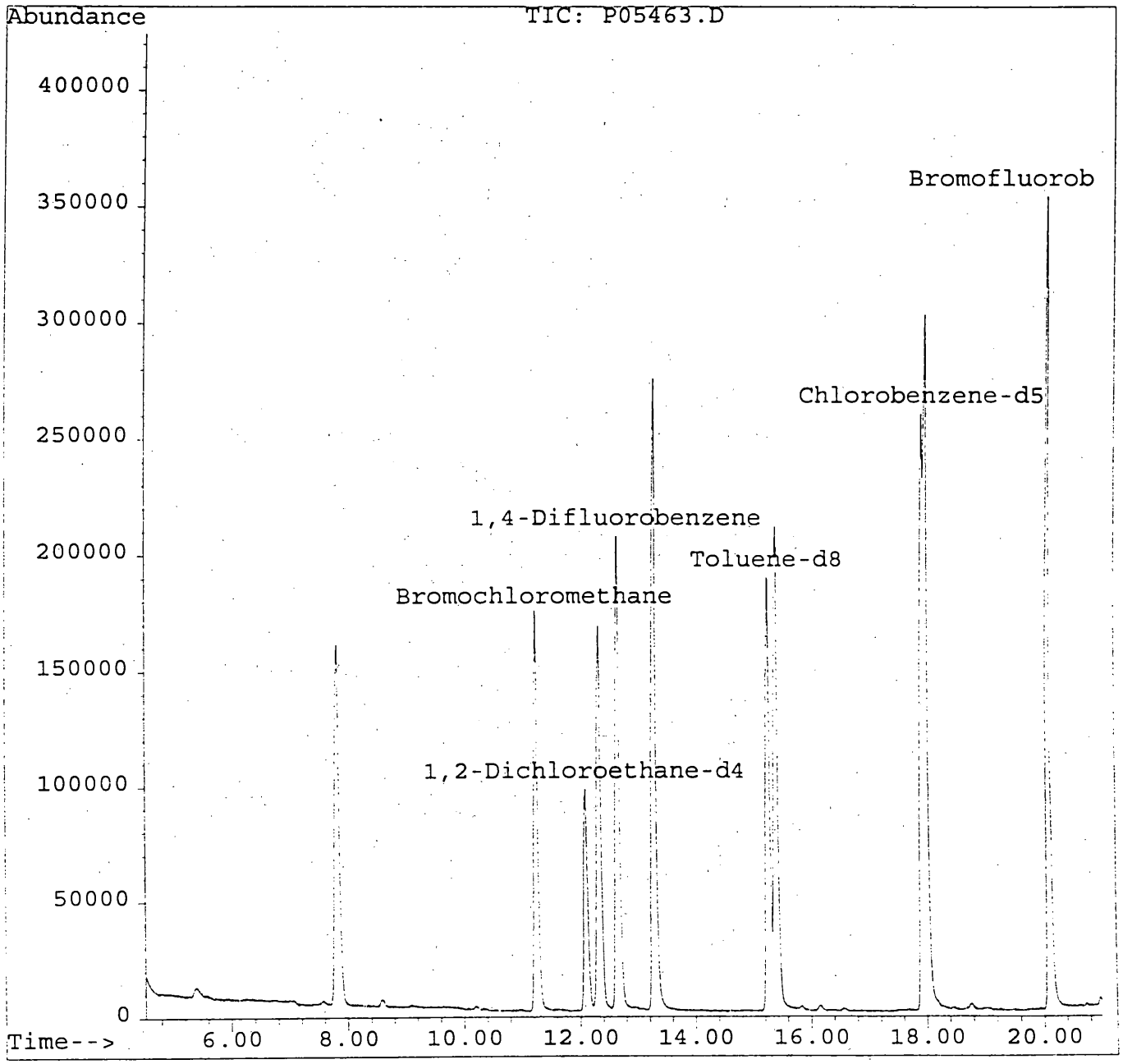
Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

Data File : C:\HPCHEM\1\DATA\P05463.D
Acq On : 24 Jan 97 11:30 am
Sample : MSB24
Misc : H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:55 1997

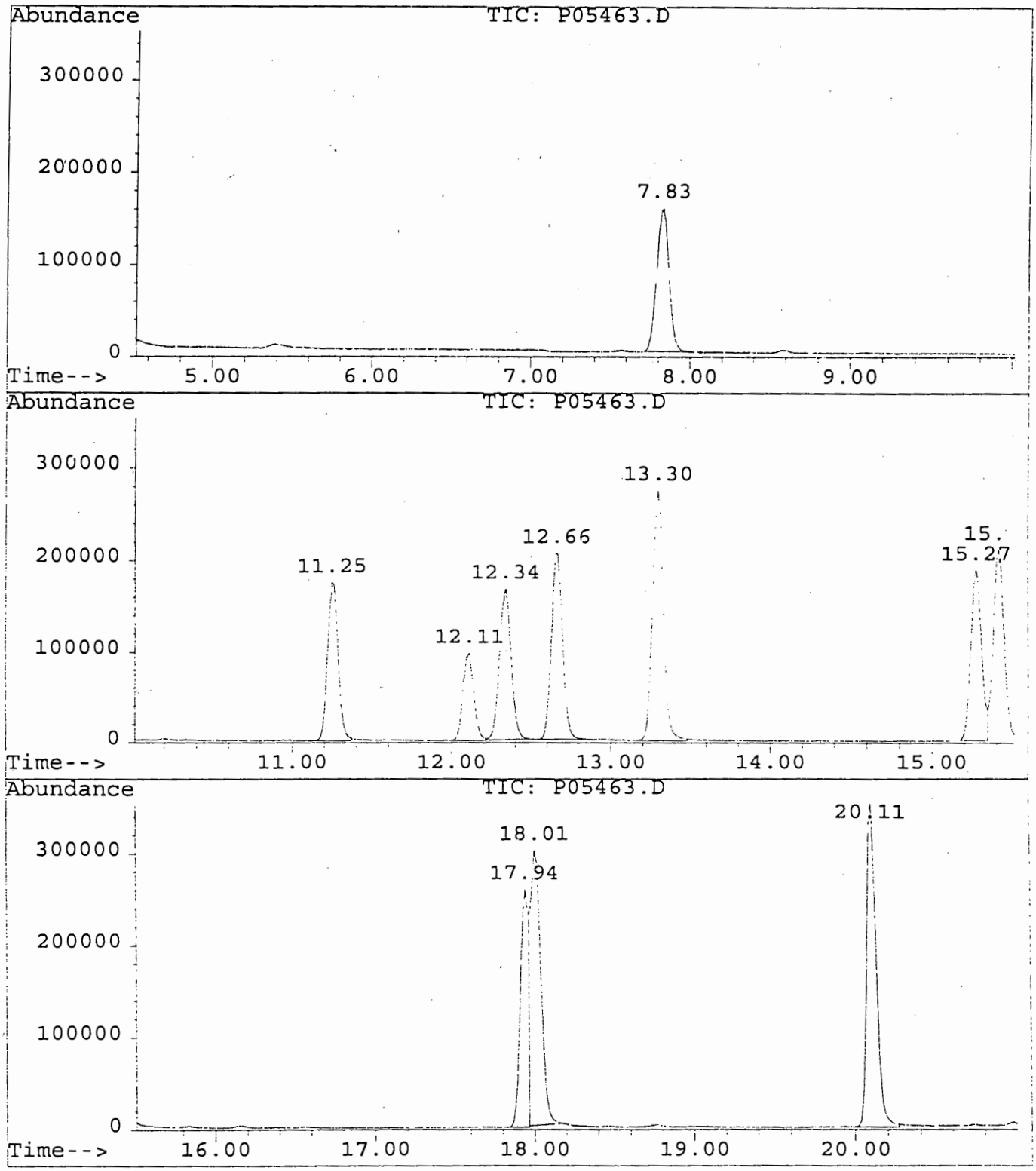
Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0125

File : C:\HPCHEM\1\DATA\P05463.D
Operator : GLENN
Acquired : 24 Jan 97 11:30 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: MSB24
Misc Info : H5970-3 1/24/97 5.0G
Vial Number: 3



V 0126

Library Search Compound Report

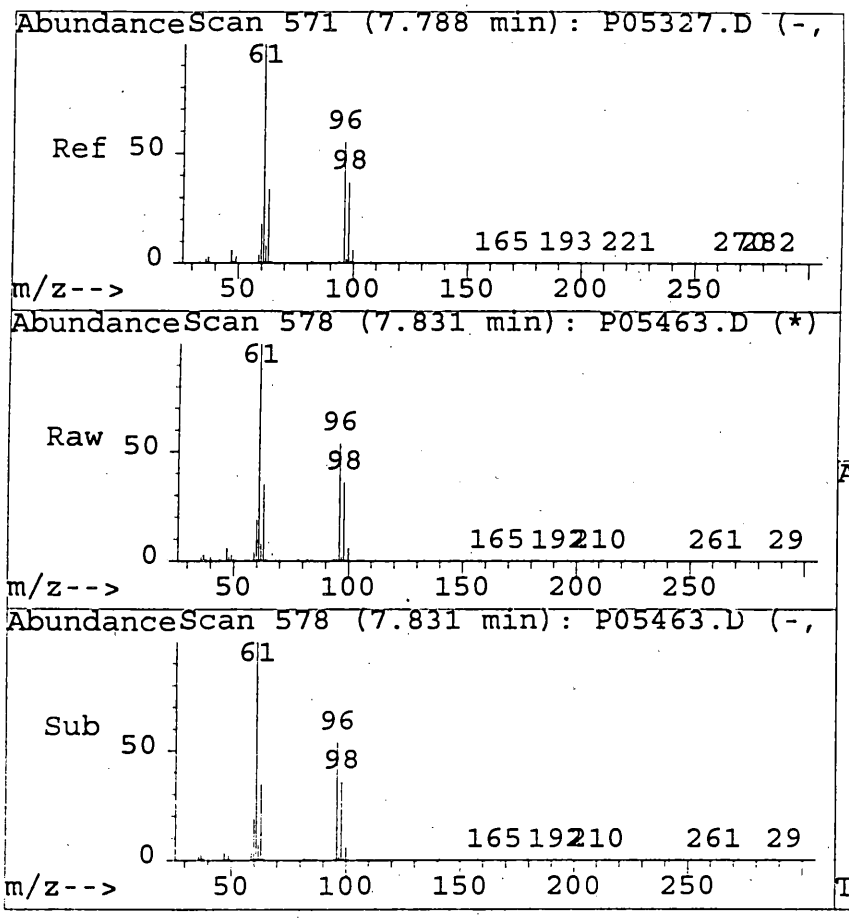
Data File : C:\HPCHEM\1\DATA\P05463.D
Acq On : 24 Jan 97 11:30
Sample : MSB24
Misc : H5970-3 1/24/97 5.0G

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

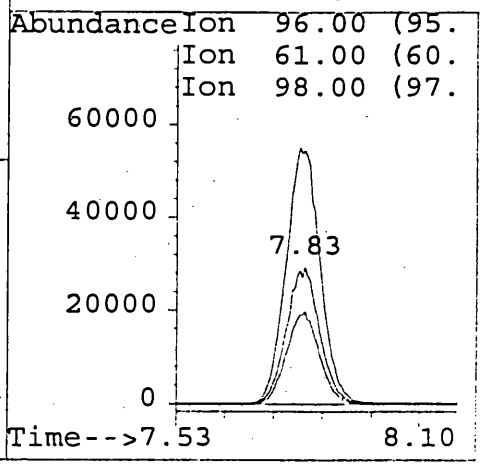
V 0125

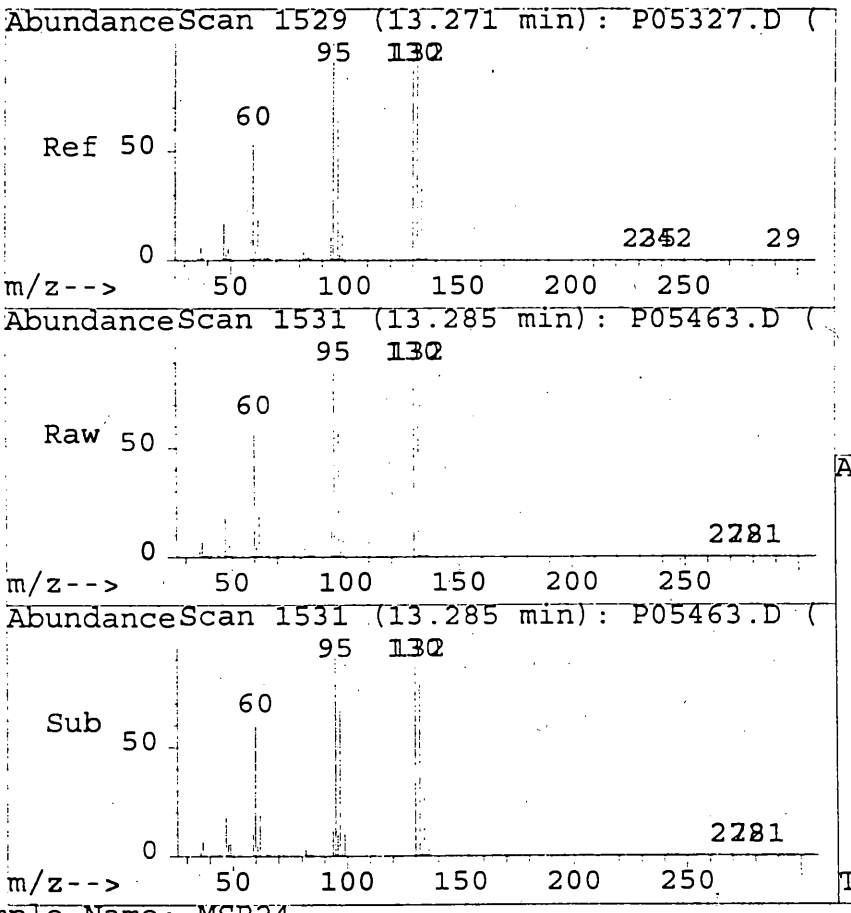


#6
1,1-Dichloroethene
Concen: 41.55 UG/L m
RT: 7.83 min Scan# 578
Delta R.T. -0.03 min
Lab File: P05463.D
Acq: 24 Jan 97 11:30 am

Tgt Ion:96 Resp: 157981

Ion	Ratio	Lower	Upper
96	100		
61	185.7	139.2	179.2#
98	67.2	44.9	84.9
0	0.0	0.0	0.0

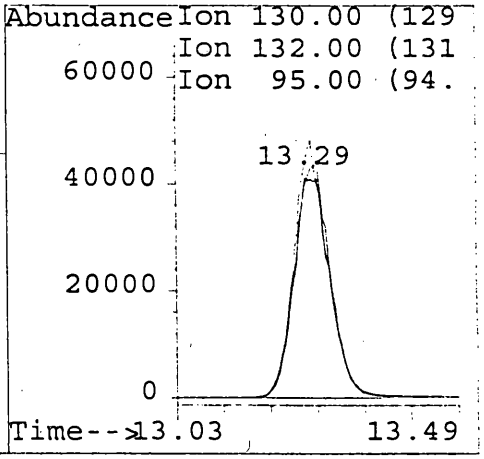




#24
Trichloroethene
Concen: 44.51 UG/L
RT: 13.29 min Scan# 1531
Delta R.T. -0.02 min
Lab File: P05463.D
Acq: 24 Jan 97 11:30 am

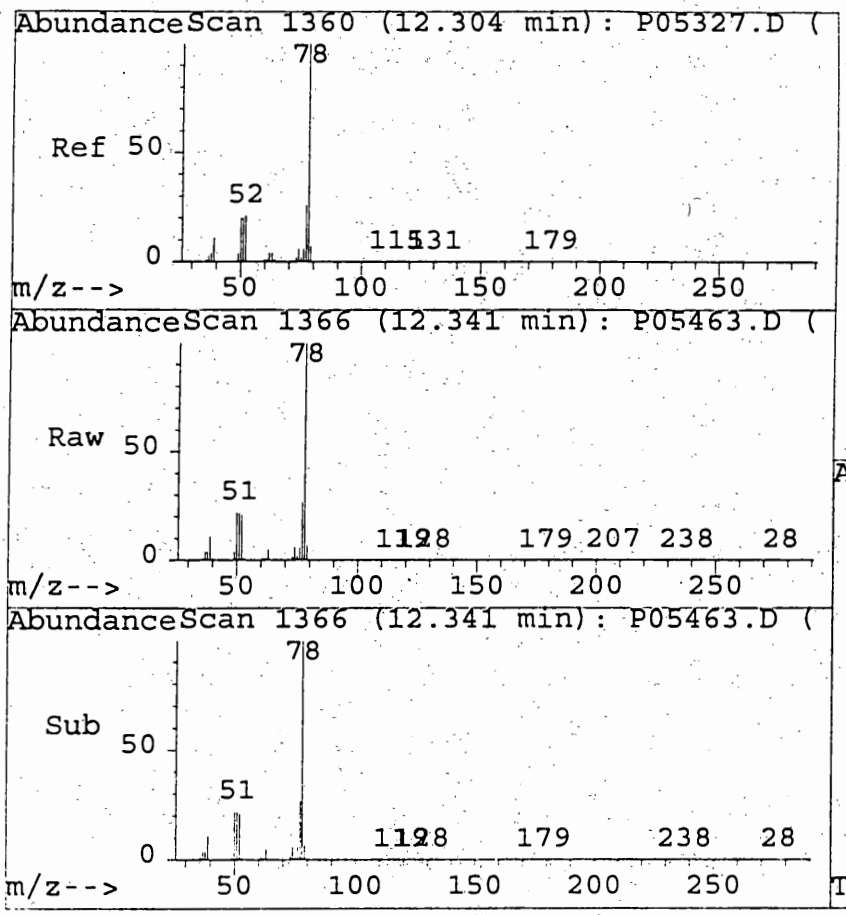
Tgt Ion:130 Resp: 201082

Ion	Ratio	Lower	Upper
130	100		
132	96.8	82.0	122.0
95	106.5	80.0	120.0
0	0.0	0.0	0.0



Sample Name: MSB24
Misc. Info: H5970-3 1/24/97 5.0G
P05463.D CLPS.M Thu Feb 06 10:30:02 1997 MASSPEC1 Page 3

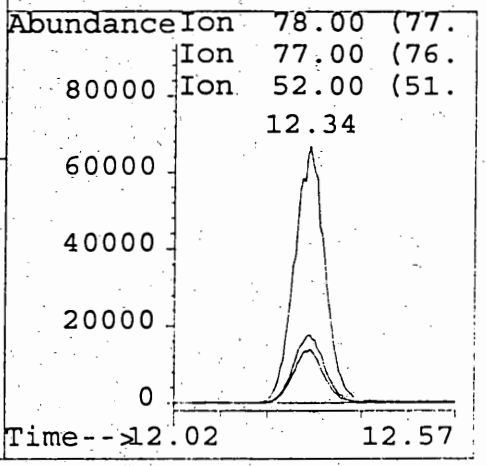
V 0123

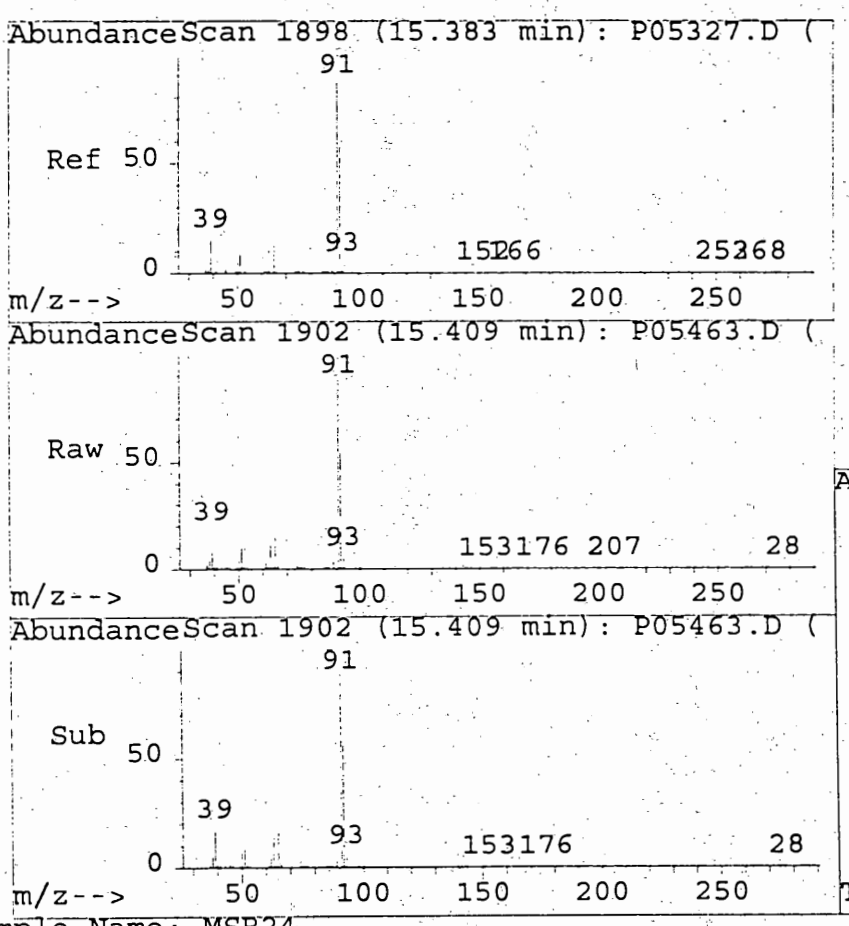


#25
Benzene
Concen: 45.48 UG/L
RT: 12.34 min Scan# 1366
Delta R.T. -0.02 min
Lab File: P05463.D
Acq: 24 Jan 97 11:30 am

Tgt Ion:78 Resp: 335232

Ion	Ratio	Lower	Upper
78	100		
77	26.5	5.9	45.9
52	20.9	0.1	40.1
0	0.0	0.0	0.0

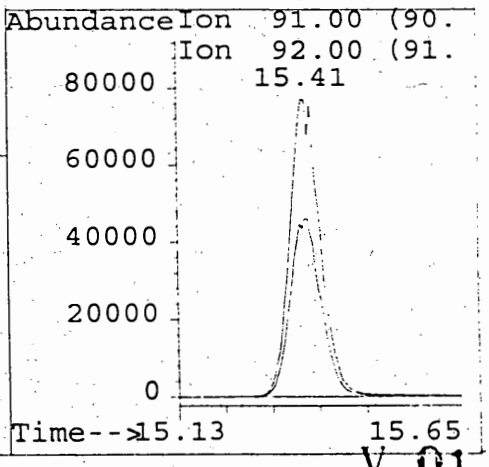




#36
Toluene
Concen: 43.29 UG/L
RT: 15.41 min Scan# 1902
Delta R.T. -0.02 min
Lab File: P05463.D
Acq: 24 Jan 97 11:30 am

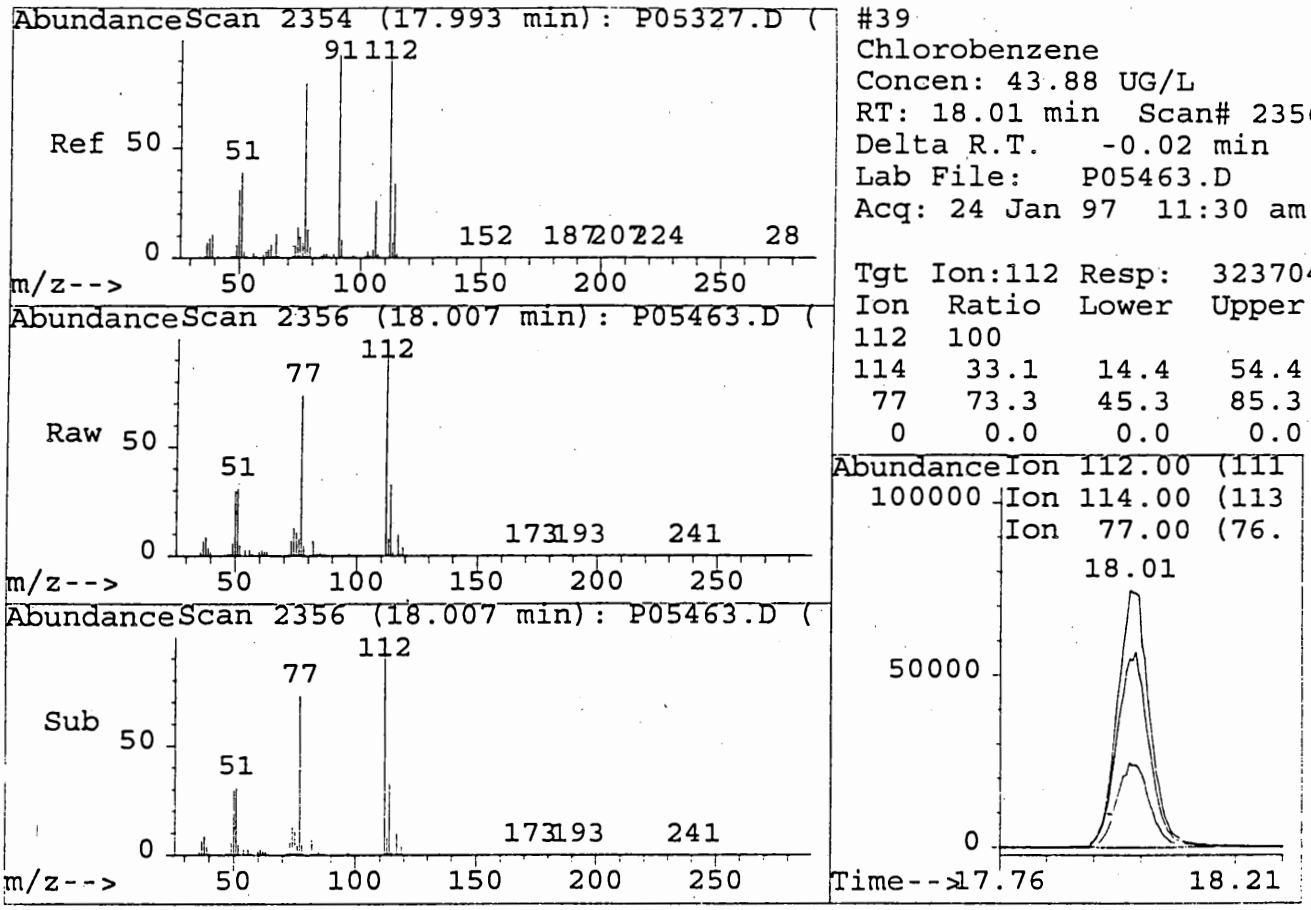
Tgt Ion:91 Resp: 356222

Ion	Ratio	Lower	Upper
91	100		
92	56.3	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: MSB24
Misc. Info: H5970-3 1/24/97 5.0G
P05463.D CLPS.M Thu Feb 06 10:30:05 1997 MASSPEC1 Page 4

V 01.0



#39
Chlorobenzene
Concen: 43.88 UG/L
RT: 18.01 min Scan# 2356
Delta R.T. -0.02 min
Lab File: P05463.D
Acq: 24 Jan 97 11:30 am

Tgt Ion:112 Resp: 323704

Ion	Ratio	Lower	Upper
112	100		
114	33.1	14.4	54.4
77	73.3	45.3	85.3
0	0.0	0.0	0.0

Sample Name: MSB24
Misc. Info: H5970-3 1/24/97 5.0G

V 0131

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60201MS

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702015MS

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05465.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	44	
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	47	
71-43-2	Benzene	47	
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	46	
108-90-7	Chlorobenzene	46	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

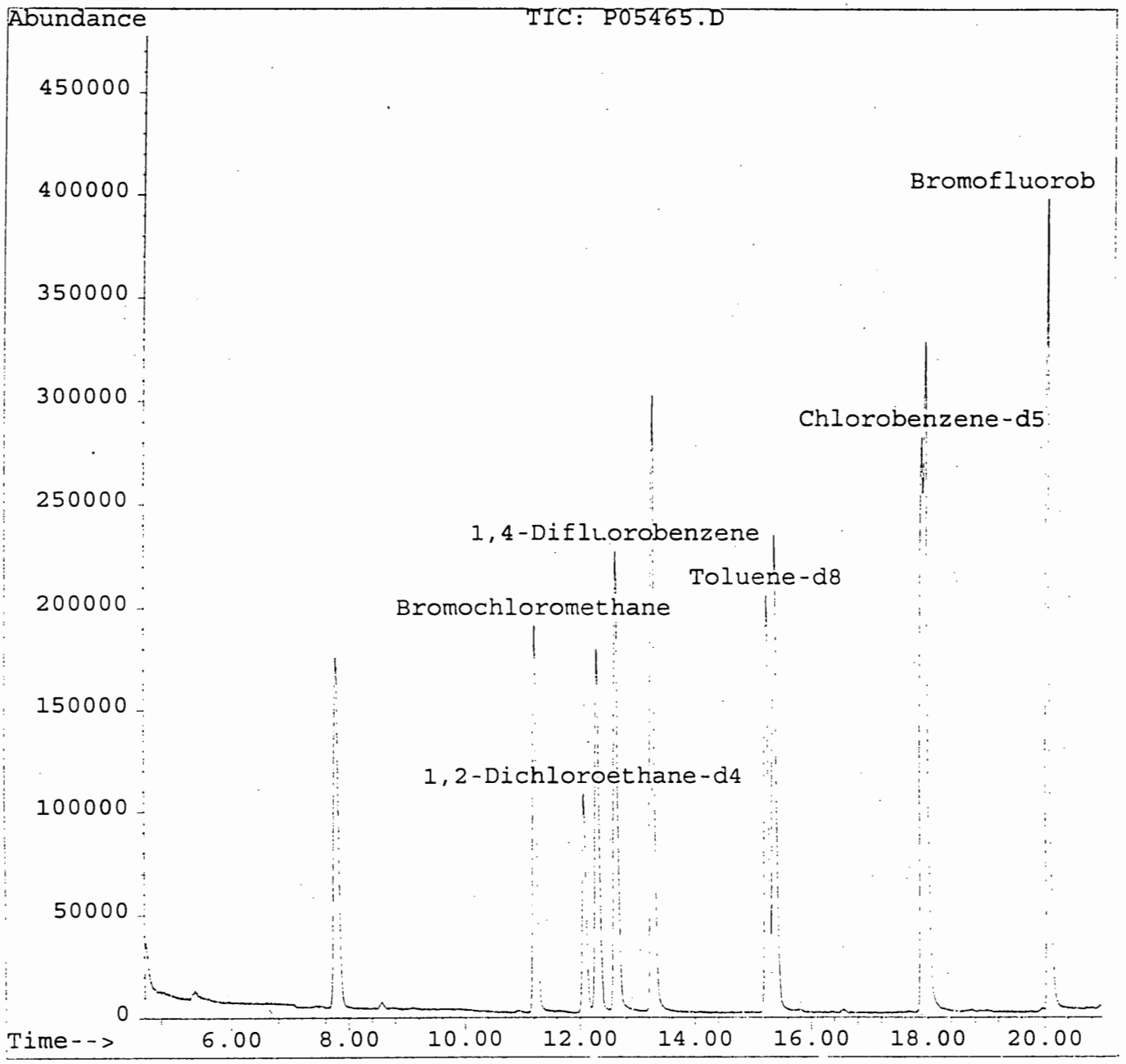
V GL[illegible]

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05465.D
Acq On : 24 Jan 97 12:38 pm
Sample : 9702015MS
Misc : B60201MS H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:56 1997

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0133

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05465.D Vial: 5
Acq On : 24 Jan 97 12:38 Operator: GLENN
Sample : 9702015MS Inst : 5970 - In
Misc : B60201MS H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 5 10:56 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	111163	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.65	114	398281	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.94	117	323361	50.00	UG/L	-0.01
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.09	65	185830	55.47	UG/L	110.95%
34) Toluene-d8	15.26	98	329396	49.13	UG/L	98.25%
43) Bromofluorobenzene	20.10	95	318373	51.98	UG/L	103.97%
Target Compounds						**Qvalue**
6) 1,1-Dichloroethene	7.80	96	169224	41.73	UG/L	# 79
24) Trichloroethene	13.28	130	221573	44.47	UG/L	97
25) Benzene	12.32	78	362411	44.59	UG/L	99
36) Toluene	15.40	91	390969	43.80	UG/L	100
39) Chlorobenzene	18.01	112	353117	44.13	UG/L	89

V-0134

(#) = qualifier out of range (m) = manual integration

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60201MSD

Lab Name: H2M LABS INC. Contract: C003180

Lab Code: 10478 Case No.: RA096 SAS No.: _____ SDG No.: 0121

Matrix: (soil/water) SOIL Lab Sample ID: 9702015MSD

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05466.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.4 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

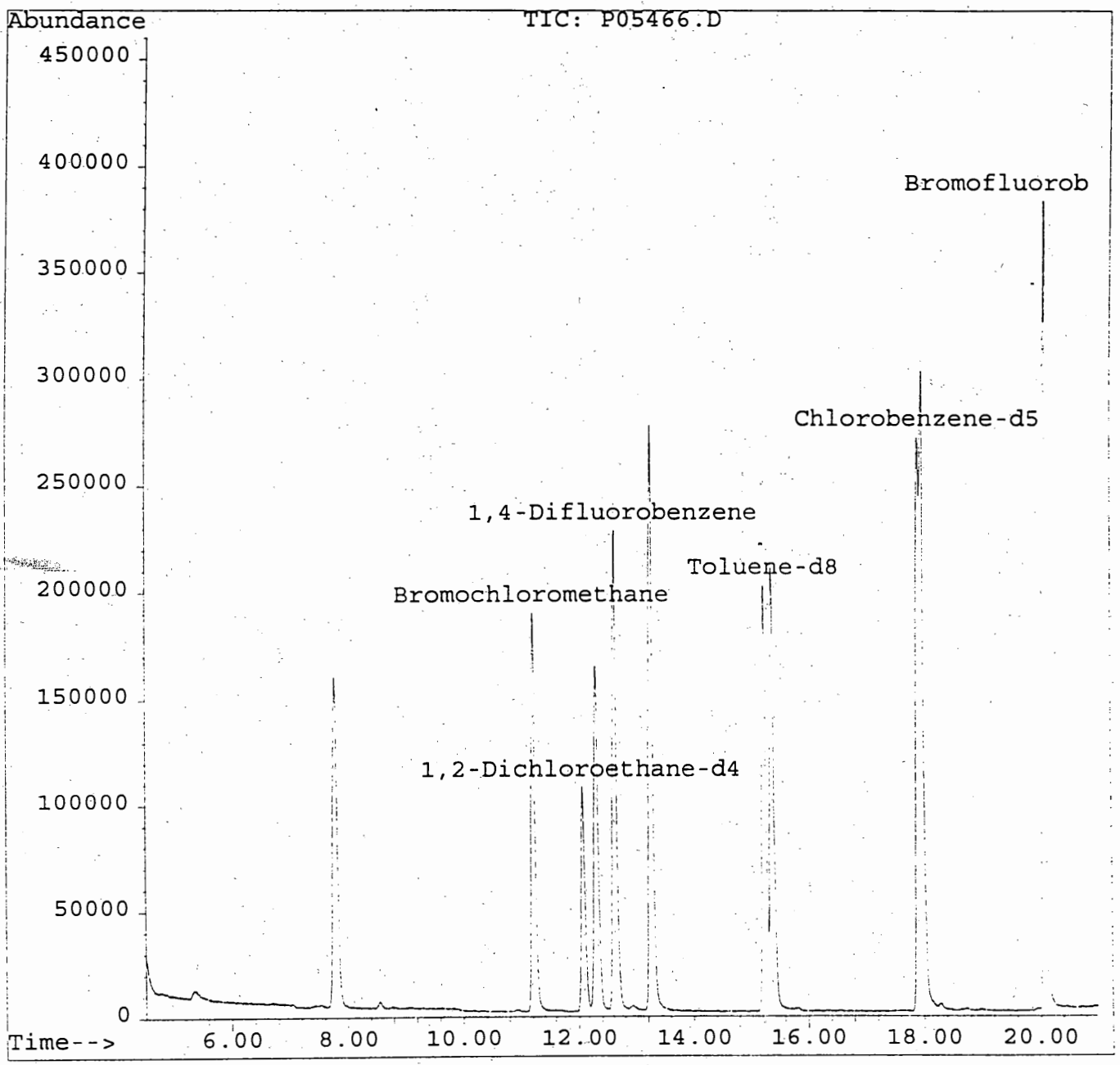
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	40	
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	44	
71-43-2	Benzene	43	
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	42	
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05466.D
Acq On : 24 Jan 97 1:09 pm
Sample : 9702015MSD
Misc : B60201MSD H5970-3 1/24/97 5.0G
Quant Time: Feb 5 10:57 1997

Vial: 6
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Feb 05 12:46:55 1997
Response via : Single Level Calibration



V 0136

Quantitation Report

Data File : C:\HPCHEM\1\DATA\P05466.D Vial: 6
Acq On : 24 Jan 97 13:09 Operator: GLENN
Sample : 9702015MSD Inst : 5970 - In
Misc : B60201MSD H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 5 10:57 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	110890	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	389106	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.92	117	320404	50.00	UG/L	-0.04
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	183603	54.94	UG/L	109.89%
34) Toluene-d8	15.25	98	323138	48.64	UG/L	97.28%
43) Bromofluorobenzene	20.09	95	306660	50.53	UG/L	101.06%
Target Compounds						Qvalue
6) 1,1-Dichloroethene	7.79	96	152923	37.81	UG/L	# 71
24) Trichloroethene	13.27	130	204579	42.03	UG/L	93
25) Benzene	12.31	78	329961	41.55	UG/L	99
36) Toluene	15.39	91	357703	40.44	UG/L	99
39) Chlorobenzene	18.00	112	323590	40.81	UG/L	94

V-0137

(#) = qualifier out of range (m) = manual integration

H2M LABS, INC.

NDEC

SDG 0121

TOTAL SOLIDS FOR SLUDGES AND SOILS

START TIME:_____

END TIME:_____

DATE: 1/21/97

ANALYST: MFM

LAB# [illegible]		PAN/CRUCIBLE [illegible]	LAB# 9702234		PAN/CRUCIBLE [illegible]
%TS [illegible]		%TVS [illegible]	%TS 14.0%		%TVS 57.7%
INITIAL WEIGHT 46.3626	DRY WEIGHT 31.7207	DRY WEIGHT 31.3074	INITIAL WEIGHT 42.8534	DRY WEIGHT 32.8703	DRY WEIGHT 32.8703
-TARE WEIGHT - 30.6335	-TARE WEIGHT - 30.6958	-IGNITED WEIGHT - 30.8663	-TARE WEIGHT - 31.2430	-TARE WEIGHT - 31.2430	-IGNITED WEIGHT - 31.9320
=SAMPLE WEIGHT = [illegible]	=SOLID WEIGHT = 0.4579	=VOLATILE WEIGHT = 0.2774	=SAMPLE WEIGHT = 11.6104	=SOLID WEIGHT = 1.6273	=VOLATILE WEIGHT = 0.9383
LAB# 9702015		PAN/CRUCIBLE CA	LAB# 9702015		PAN/CRUCIBLE CA
%TS 95.0%		%TVS [illegible]	%TS 95.0%		%TVS (B60201)
INITIAL WEIGHT 31.0480	DRY WEIGHT 20.7845	DRY WEIGHT 20.7445	INITIAL WEIGHT 10.4230	DRY WEIGHT 10.0212	DRY WEIGHT
-TARE WEIGHT - 20.7077	-TARE WEIGHT - 20.7077	-IGNITED WEIGHT - 20.4971	-TARE WEIGHT - 1.3230	-TARE WEIGHT - 1.3230	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 10.4403	=SOLID WEIGHT = 0.3818	=VOLATILE WEIGHT = 0.2924	=SAMPLE WEIGHT = 9.1	=SOLID WEIGHT = 8.6982	=VOLATILE WEIGHT =
LAB# 9702252		PAN/CRUCIBLE C	LAB# 9702016		PAN/CRUCIBLE CD
%TS 23.4%		%TVS 46.0%	%TS 96.7%		%TVS (B60202)
INITIAL WEIGHT 43.7558	DRY WEIGHT 37.0453	DRY WEIGHT 34.6453	INITIAL WEIGHT 10.1055	DRY WEIGHT 9.8190	DRY WEIGHT
-TARE WEIGHT - 31.8558	-TARE WEIGHT - 31.8558	-IGNITED WEIGHT - 33.3460	-TARE WEIGHT - 1.3240	-TARE WEIGHT - 1.3240	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 11.9	=SOLID WEIGHT = 2.7895	=VOLATILE WEIGHT = 1.2993	=SAMPLE WEIGHT = 8.7915	=SOLID WEIGHT = 8.495	=VOLATILE WEIGHT =

P 0010

01.20

H2M LABS, INC.

NDGC
SDG 0121

TOTAL SOLIDS FOR SLUDGES AND SOILS

START TIME: _____

END TIME: _____

DATE: 1/27/97

ANALYST: M+M

LAB# 9702017	PAN/CRUCIBLE CC		LAB# 9702020	PAN/CRUCIBLE CF	
%TS 9[illegible]%	%TVS (B60203)		%TS 96.3%	%TVS (B60206)	
INITIAL WEIGHT 10.6376	DRY WEIGHT [illegible]	DRY WEIGHT	INITIAL WEIGHT 10.3068	DRY WEIGHT 9.9716	DRY WEIGHT
-TARE WEIGHT - 1.3225	-TARE WEIGHT - [illegible]	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3173	-TARE WEIGHT - 1.3173	-IGNITED WEIGHT -
=SAMPLE WEIGHT = [illegible]	=SOLID WEIGHT = 9.0400	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = 8.9895	=SOLID WEIGHT = 8.6543	=VOLATILE WEIGHT =
LAB# 9702018	PAN/CRUCIBLE CB		LAB# 9702021	PAN/CRUCIBLE CG	
%TS [illegible]	%TVS [illegible]		%TS 96.3%	%TVS (B60207)	
INITIAL WEIGHT 10.6790	DRY WEIGHT [illegible]	DRY WEIGHT	INITIAL WEIGHT 10.6275	DRY WEIGHT 10.2870	DRY WEIGHT
-TARE WEIGHT - 1.3178	-TARE WEIGHT -	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3105	-TARE WEIGHT - 1.3105	-IGNITED WEIGHT -
=SAMPLE WEIGHT =	=SOLID WEIGHT =	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = 9.317	=SOLID WEIGHT = 8.9765	=VOLATILE WEIGHT =
LAB# 9702019	PAN/CRUCIBLE CE		LAB# 9702022	PAN/CRUCIBLE CH	
%TS 95.9%	%TVS (B60205)		%TS 98.9%	%TVS (B60208)	
INITIAL WEIGHT 11.3607	DRY WEIGHT [illegible]	DRY WEIGHT	INITIAL WEIGHT 10.6300	DRY WEIGHT 9.5987	DRY WEIGHT
-TARE WEIGHT - 1.3243	-TARE WEIGHT - [illegible]	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3156	-TARE WEIGHT - 1.3156	-IGNITED WEIGHT -
=SAMPLE WEIGHT = [illegible]	=SOLID WEIGHT = [illegible]	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = 9.3144	=SOLID WEIGHT = 8.2831	=VOLATILE WEIGHT =

V 0111

P 0011

H2M LABS, INC.

TOTAL SOLIDS FOR SLUDGES AND SOILS

NDEC
SDG 0121

START TIME: _____

END TIME: _____

DATE: 1/27/97

ANALYST: M.M

LAB# 9702023	PAN/CRUCIBLE CI	
%TS 93.3%	%TVS (B60209)	
INITIAL WEIGHT 10.0790	DRY WEIGHT 10.4272	DRY WEIGHT
-TARE WEIGHT - 1.3236	-TARE WEIGHT - 1.3236	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 9.7554	=SOLID WEIGHT = 9.1036	=VOLATILE WEIGHT =

LAB# 9702024	PAN/CRUCIBLE CJ	
%TS 97.6%	%TVS (B60210)	
INITIAL WEIGHT 10.3183	DRY WEIGHT 10.0624	DRY WEIGHT
-TARE WEIGHT - 1.3187	-TARE WEIGHT - 1.3187	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 8.9996	=SOLID WEIGHT = 8.7437	=VOLATILE WEIGHT =

LAB# 9702026	PAN/CRUCIBLE CK	
%TS 96.3%	%TVS	
INITIAL WEIGHT 10.2255	DRY WEIGHT 9.8430	DRY WEIGHT
-TARE WEIGHT - 1.3172	-TARE WEIGHT - 1.3172	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 8.9083	=SOLID WEIGHT = 8.5258	=VOLATILE WEIGHT =

LAB# 9702027	PAN/CRUCIBLE CL	
%TS 95.7%	%TVS	
INITIAL WEIGHT 10.3585	DRY WEIGHT 9.9677	DRY WEIGHT
-TARE WEIGHT - 1.3290	-TARE WEIGHT - 1.3290	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 9.0295	=SOLID WEIGHT = 8.6387	=VOLATILE WEIGHT =

LAB# 9702030	PAN/CRUCIBLE CM	
%TS 95.3%	%TVS	
INITIAL WEIGHT 12.2080	DRY WEIGHT 11.6957	DRY WEIGHT
-TARE WEIGHT - 1.3218	-TARE WEIGHT - 1.3218	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 10.8862	=SOLID WEIGHT = 10.3739	=VOLATILE WEIGHT =

LAB# 9702031	PAN/CRUCIBLE CN	
%TS 95.2%	%TVS	
INITIAL WEIGHT 12.1835	DRY WEIGHT 11.6643	DRY WEIGHT
-TARE WEIGHT - 1.3289	-TARE WEIGHT - 1.3289	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 10.8546	=SOLID WEIGHT = 10.3354	=VOLATILE WEIGHT =

P 0012

0121

H2M LABS, INC.

TOTAL SOLIDS FOR SLUDGES AND SOILS

NDEE
SDG 0121

START TIME: _____

END TIME: _____

DATE: 1-27-97

ANALYST: MH

LAB# [illegible]	PAN/CRUCIBLE [illegible]		LAB# [illegible]	PAN/CRUCIBLE PF	
%TS 47.3%	%TVS (B60204)		%TS 88.7%	%TVS	
INITIAL WEIGHT 20.1725	DRY WEIGHT 1.847-	DRY WEIGHT	INITIAL WEIGHT 10.9230	DRY WEIGHT 9.8349	DRY WEIGHT
-TARE WEIGHT - 1.3217	-TARE WEIGHT - 1.3217	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3142	-TARE WEIGHT - 1.3142	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 18.8508	=SOLID WEIGHT = 10.5257	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = 9.6088	=SOLID WEIGHT = 8.5207	=VOLATILE WEIGHT =
LAB# [illegible]	PAN/CRUCIBLE [illegible]		LAB# [illegible] MFM 97020[illegible]	PAN/CRUCIBLE RA	
%TS 96.2%	%TVS		%TS 93.5%	%TVS	
INITIAL WEIGHT 10.3276	DRY WEIGHT 9.9827	DRY WEIGHT	INITIAL WEIGHT 10.3610	DRY WEIGHT 10.2396	DRY WEIGHT
-TARE WEIGHT - 1.3241	-TARE WEIGHT - 1.3241	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3114	-TARE WEIGHT - 1.3114	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 9.0034	=SOLID WEIGHT = 8.6586	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = 9.2496	=SOLID WEIGHT = 8.9282	=VOLATILE WEIGHT =
LAB# [illegible]	PAN/CRUCIBLE [illegible]		LAB# 970229	PAN/CRUCIBLE KD	
%TS 40.1%	%TVS		%TS 97.2%	%TVS	
INITIAL WEIGHT [illegible]	DRY WEIGHT 5.2446	DRY WEIGHT	INITIAL WEIGHT 10.4050	DRY WEIGHT 9.2459	DRY WEIGHT
-TARE WEIGHT - 1.3154	-TARE WEIGHT - 1.3154	-IGNITED WEIGHT -	-TARE WEIGHT - 1.3159	-TARE WEIGHT - 1.3159	-IGNITED WEIGHT -
=SAMPLE WEIGHT = 7.7965	=SOLID WEIGHT = 3.9292	=VOLATILE WEIGHT =	=SAMPLE WEIGHT = [illegible]	=SOLID WEIGHT = 7.93	=VOLATILE WEIGHT =

V 0143

P 0013

H2M LABS, INC.

VOLATILE

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

SCAN: VOA **INSTRUMENT:** H5970-3 **COLUMN:** RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
12/26/96	P05317		9636749	5.0g		1	1523	GJBochicchio
"	P05318		9636749DL	0.8g		2	1618	"
12/31/96	P05319	50ng BFB		5.0ml		1	0905	GJBochicchio
	P05320	VSTD010				3	1043	
	P05321	VSTD020 *				4	1119	
	P05322	VSTD050 *			CLPW.M	5	1150	
	P05323	VSTD100 *				6	1221	
	P05324	VSTD200 *				7	1252	
	P05325	VSTD010 *				9	1323	
	P05326	VSTD020 *				10	1354	
	P05327	VSTD050 *			CLPS.M	11	1425	
	P05328	VSTD100 *				12	1456	
	P05329	VSTD200 *				13	1527	
	P05330	VSTD010 *		"	CLPW.M	14	1642	Backed up 1/2/97
1/2/97	P05331	50ng BFB		5.0ml		8	1036	GJBochicchio
	P05332	VSTD050		"	CLPS.M	8	1153	
	P05333	VBLK2		5.0g		9	1306	
	P05334	VHBLK2				10	1402	
	P05335	EP-1	9637060			11	1433	
	P05336	MSB2				12	1506	
	P05337	EP-1MS	9637060MS			13	1550	
	P05338	EP-1MSD	9637060MSD	"		14	1621	

H2M LABS, INC.

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

VOLATILE

SCAN: VOA INSTRUMENT: H5970-3 COLUMN: RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS	TIME INJ.	ANALYSTS SIGNATURE
1/22/97	P05449	MW-218S	9701773	5.0 ml	10	1444	JBBelluccia
	P05450	MW-218S MS	9701773 MS		11	1514	
	P05451	MW-218S MSD	9701773 MSD		12	1544	
	P05452	MW-218A	9701774		13	1614	
	P05453	Field Blank	9701775		14	1643	
	P05454	MW-208S	9701814		15	1713	
	P05455	MW-208D	9701815		16	1743	
	P05456	MW-210D	9701816		1	1813	
	P05457	MW-202S	9701817		2	1842	
	P05458	Trip Blank	9701819		3	1912	
	P05459		9701627		4	1942	
1/24/97	P05460	50ng BFB		1ul	Direct	0911	JBBelluccia
	P05461	VSTD050		5.0ml	1	1019	
	P05462	VBLK24		5.0g	2	1059	
	P05463	MSB24			3	1130	
	P05464	B60201	9702015		4	1207	
	P05465	B60201 MS	9702015MS		5	1238	
	P05466	B60201 MSD	9702015MSD		6	1309	
	P05467	B60202	9702016		7	1340	
	P05468	B60203	9702017		8	1410	
	P05469	B60204	9702018		9	1441	
	P05470	B60205	9702019		10	1512	

P 0058

V 0145

H2M LABS, INC.

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

VOLATILE

SCAN: VOA INSTRUMENT: HS970-3 COLUMN: RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
1/24/97	P05471	B60206	9702020	5.0g		11	1543	JBellucci
	P05472	B60207	9702021			12	1614	
	P05473	B60208	9702022			13	1645	
	P05474	B60209	9702023			14	1716	
	P05475	B60210	9702024			15	1747	
	P05476	B60211	9702025		Rec 2.0g	16	1818	
	P05477	B60212	9702026			1	1849	
	P05478	B60213	9702027			2	1920	
	P05479	B60215	9702029		Rec 2.0g	3	1950	
	P05480	B60216	9702030			4	2021	
	P05481	B60217	9702031			5	2052	
↓	P05482		9701628	↓	Rec 1.0g	6	2123	↓
1/27/97	P05483	50ng BFB		1ul	Direct		1246	JBellucci
	P05484	VSTD050		5.0ml		1	1521	
	P05485	VBLK27		5.0g		2	1600	
	P05486	B60211DL	9702025DL	2.0g		3	1644	
	P05487	B60215DL	9702029DL	2.0g		4	1715	
	P05488	B60218	9702032	5.0g		5	1746	
	P05489	B60231	9702300			6	1817	
	P05490	B60232	9702301			7	1847	
	P05491	B60233	9702302			8	1918	
↓	P05492	B60234	9702303	↓		9	1949	↓

H2M LABS, INC.

VOLATILE

	LOT #	SOLN ID
Surr.		
I.S.		
M.S.		
QC Check		

SCAN: VOA **INSTRUMENT:** H5970-3 **COLUMN:** RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
1/30/97	P05537	VSTD050		5.0ml		1	1211	JBocciccha
	P05538	VBLK30				2	1254	
	P05539	VHBLK30				3	1324	
	P05540	B60220DL	9702037DL		1:25	4	1354	
	P05541	Trip Blank	9702046			5	1423	
	P05542	B60238	9702297			6	1453	
	P05543		9702716			7	1527	
	P05544		9702717			8	1557	
	P05545		9702718			9	1627	
	P05546		9702719			10	1656	
	P05547		9702720			11	1726	
	P05548	VSTD050				12	1757	
	P05549	VBLK30				13	1827	
	P05550		9702141		4g→10ml 10ml	14	1857	
	P05551		9702141		4g→10ml 100ml	15	0749	
1/31/97	P05552	50ng BFB		1ul	Direct		1050	JBocciccha
	P05553	VSTD050		5.0ml		1	1127	
	P05554	VBLK31		5.0g		2	1224	
	P05555	B60252	9702423			3	1322	
	P05556		9702759			4	1353	
2/5/97	P05557	50ng BFB		1ul	Direct		1017	JBocciccha
"	P05558	VSTD050		5.0ml		1	1213	"

Backed up 2/3/97

V 01[illegible]

H2M LABS, INC.

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

VOLATILE

SCAN: VOA INSTRUMENT: H5970-3 COLUMN: RTX-502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS	TIME INJ.	ANALYSTS SIGNATURE
2/5/97	P05559	VBLK5		5.0g	2	1336	JBolucchi
	P05560	B60205	9702019		3	1415	
	P05561		9703371		4	1446	
2/6/97	P05562	50ng BFB		1ml	Direct	0951	JBolucchi
	P05563	VSTD050		5.0ml	1	1105	
	P05564	VBLK6			2	1144	
	P05565	MSB6			3	1222	
	P05566	1769-001	9703499		4.0g → 10ml 25ml 4	1302	
	P05567	1769-001DL	9703499		4.0g → 10ml 1.0ml → 50ml 4	1507	
	P05568	1769-001DL	9703499		4.0g → 10ml 4 1ml → 50ml 1:40DL	1602	
	P05569	1769-001MSDL	9703499MS		5	1644	
	P05570	1769-001MSD DL	9703499MSD		6	1719	
	P05571		9703169		7	1755	
	P05572		9703170		8	1830	
	P05573		9703171		9	1905	
	P05574		9703172		10	1940	
	P05575		9703173		11	2015	
	P05576		9703232		12	2050	
	P05577		9703233		13	2125	
	P05578		9703370		14	2200	
	P05579	LFB6			15	2236	
	P05580	TBLK 2/4			16	2311	

SDG # 0121

SCAN VOA

This data package was reported by the undersigned. This reporting includes data calculations, manual edits if necessary, and compilation of raw data. The information presented is true and correct to the best of my knowledge.

Signature: G Bordicchio

Date: 2/10/97

V 0149

A65P-03
Soils

Analytical Data Package For

A66P-05
GW

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

REGION 0

CONTRACT #: C003180

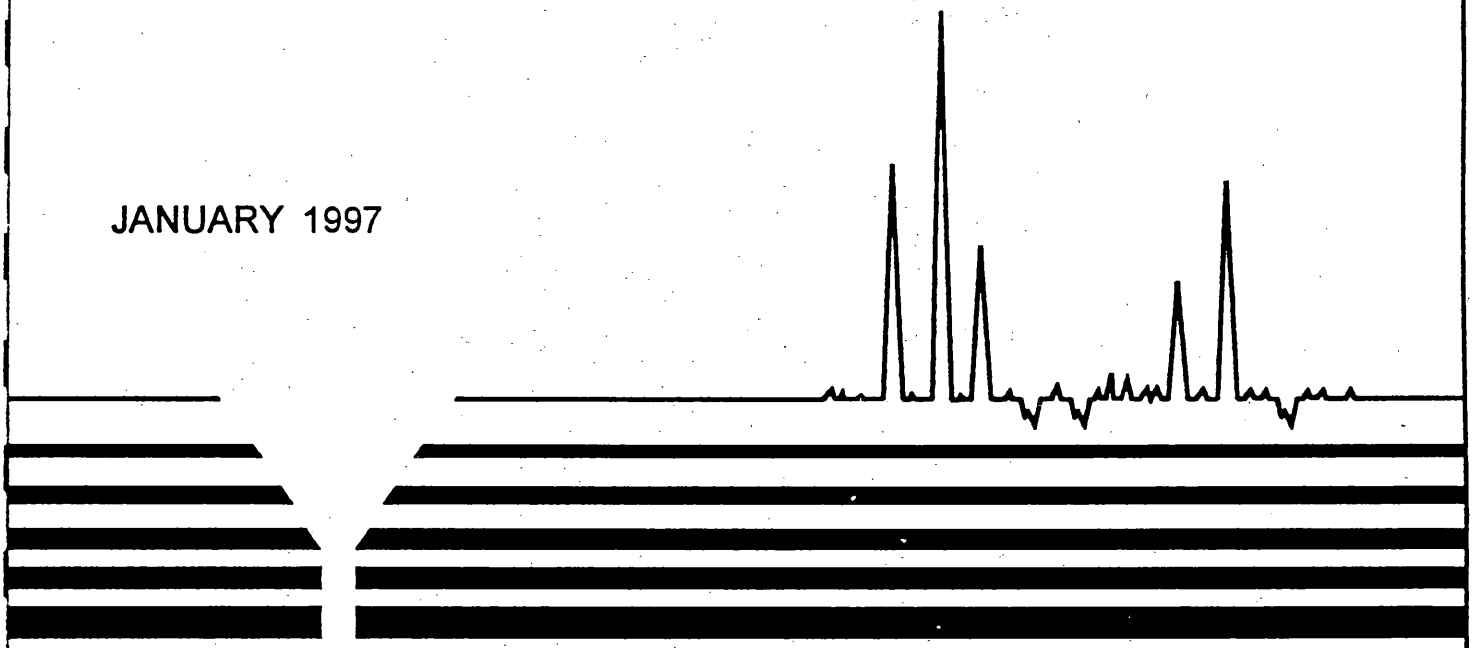
CASE #: RA096 SDG #: 0122

B60211 to B60219

Water and Soil Samples
RECEIVED: January 23, 1997

VOLATILE DATA

JANUARY 1997



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

ANALYTICAL DATA PACKAGE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
REGION 0
CONTRACT: C003180
CASE: RA096
SAMPLES RECEIVED: 1/23/97
0122

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II. SDG NARRATIVES

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VI. CSF PURGE PACKAGE (FOR BTSR ONLY)

DATA PACKAGE FOR CLIENT INFORMATION PURPOSES ONLY

H2M LABS, INC.

I. NYS DEC SUMMARY FORMS

H2M LABS, INC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY
SAMPLES RECEIVED 1/23/97
CONTRACT: C003180
CASE NO.: RA096
SDG NO.: 0122

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS	*BNA GC/MS	*VOA GC	*PEST/ PCB	*METALS	OTHER
B60211	9702025	X					
B60212	9702026	X					
B60213	9702027	X					
B60214	9702028		X				
B60215	9702029	X					
B60216	9702030	X					
B60217	9702031	X					
B60218	9702032	X					
B60219	9702033					X	
B60220	9702037	X					
B60221	9702038	X					
B60222	9702039	X					
B60223	9702040					X	
B60223A	9702041					X	
B60224	9702042					X	
B60224A	9702043					X	
B60225	9702044					X	
B60225A	9702045					X	

* Check Appropriate Boxes

*CLP, Non-CLP (Please indicate year of protocol) 3/13 Rev-
*TCL/TAL, HSL, Priority Pollutant

A 0003

SEMIVOLATILE SAMPLE PREPARATION AND ANALYSIS SUMMARY

SDG No.: NDECB-0122

SAMPLE ID	MATRIX	PROT-OCOL	EXTR. METHOD	AUX. CLEAN	LEVEL	DIL. FACT.	DATE COLL.	DATE RCVD.	DATE EXTD.	DATE ANAL.
B60214	SOIL	CLP	SONC	GPC	LOW	1	1/22/97	1/23/97	1/24/97	2/18/97

H2M LABS, INC.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES
SAMPLES RECEIVED 1/23/97
CONTRACT: C003180
CASE NO.: RA096
SDG NO.: 0122

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE * ANALYZED
B60219 MS/MSD	SOIL	TCL METALS	1/23/97	1/97-2/97
B60223	WATER	"	"	"
B60223A	"	DISSOLVED TCL METALS	"	"
B60224	"	TCL METALS	"	"
B60224A	"	DISSOLVED TCL METALS	"	"
B60225 MS/MSD	"	TCL METALS	"	"
B60225A MS/MSD	"	DISSOLVED TCL METALS	"	"

* SEE INDIVIDUAL RUN SHEETS FOR EXACT DATES.

II. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILES
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

For Samples:		
	B60211	B60218
	B60212	B60220
	B60213	B60221
	B60215	B600222
	B60216	TRIP BLANK
	B60217	

The above soil and water samples were analyzed according to the requirements of the NYSDEC ASP method 91-1 for the TCL volatile organic analytes. No matrix spike/matrix spike duplicate was submitted with this SDG.

Sample B60220 had a high surrogate recoveries for d-4 1,2-dichloroethane. All surrogate recoveries were acceptable in the dilution of this sample. The recovery of this analyte was also out in the diluted analysis of sample B60221.

The following soil samples required re-analysis at lower sample volumes due to calibration exceedences:

B60211
B60215

The re-analysis did not show consistent results for trichloroethane. Surrogate recoveries were reproducible.

The following water samples required re-analysis at dilutions due to levels of targeted analytes above the calibration range:

B60220
B60221
B60222

Both sets of data are submitted.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 3, 1997

****
* *
* Joann M Slavin *
****

Joann M. Slavin
Quality Assurance Manager

JMS\brf
S:\Labshare\brf\0122.doc

H2M LABS, INC.

SDG NARRATIVE FOR BASE NEUTRAL ACID
CONTRACT# C003180
CASE# RA096
SDG#: 0122
SAMPLE RECEIVED 01/23/97

FOR SAMPLE: B60214

The above soil sample was analyzed according to the requirements of the NYSDEC ASP method 91-1 for the TCL base-neutral/acid extractable analytes. No matrix spike/matrix spike duplicate was analyzed with this SDG, however a lab fortified blank was included.

A majority of the recoveries of the lab fortified blank were within the QC limits except for:

2,4 dimethylphenol	20%	(lower limit 31%)
N-nitrosodiphenylamine	140%	(upper limit 124%)
Chrysene	137%	(125%)
Dibenz(a,h) anthracene	140%	(131%)
Benzo (g,h,i) perylene	135%	(131%)

These recoveries do not impact the results reported for the sample.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: February 20, 1997

Joann Slavin
Quality Assurance Manager

H2M LABS, INC.

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

For Samples:

CLIENT ID	SOFTWARE CODE
B60219 MS/MSD	B60219 MS/MSD
B60223	B60223
B60223A	B223AX
B60224	B60224
B60224A	B224AX
B60225 MS/MSD	B60225 MS/MSD
B60225A MS/MSD	B225AX MS/MSD

ICP analysis was performed on a TJA61E Trace Analyzer and a TJA61 using method 200.7 CLP-M. Mercury was analyzed on a Leeman PS200 using method 245.1 CLP-M and 245.5 CLP-M.

Samples B223AX (9702041); B224AX (9702043) and B225AX (9702045) were field filtered and analyzed for dissolved metals.

The matrix spike recoveries for sample B60219 (9702033) were within 75-125%.

The chromium and iron duplicate results for sample B60219 (9702033) were not within the required control limits. All chromium and iron soil results are reported flagged with an "*" on Forms 1.

The ICP serial dilution results for sample B60219 (9702033) were within the required control limit (10% difference).

The antimony and chromium matrix spike recoveries for sample B60225 (9702044) were not within 75-125%. All total antimony and chromium water results are reported flagged with an "N" on Forms 1.

The chromium post spike was inadvertently spiked at 20 ug/l instead of 200 ug/l. The recovery was 119.5%.

The duplicate results for sample B60225 (9702044) were within the required control limits.

The lead ICP serial dilution results for sample B60225 (9702044) was not within the required control limit (10% difference). All total lead water results are reported flagged with an "E" on Forms 1.

The matrix spike recoveries and duplicate results for sample B225AX (9702045) were within the required control limits.

The copper ICP serial dilution results for sample B225AX (9702045) were not within the required control limit (10% difference). All dissolved copper results are reported flagged with an "E" on Forms 1.

H2M LABS, INC.

SDG NARRATIVE FOR METALS ANALYSIS
SAMPLES RECEIVED: 1/23/97
CONTRACT #: C003180
CASE #: RA096
SDG #: 0122

A 1:20 dilution was required for sample B60223 (9702040) and a 1:2 dilution for sample B60224 (9702042) to bring iron within the linear range of the instrument. Due to interference by iron, the dilution was also applied to the following analytes: antimony, cadmium, lead, magnesium, manganese, selenium, silver, thallium, vanadium, and zinc. These dilutions were required for accurate interelement corrections to be applied.

Two wavelengths were used for iron analysis on the TJA61E Trace Analyzer. The two lines allow for a greater sensitivity across a broad concentration range. A second ICV and CCV (ICVL, CCVL) were analyzed for the low level iron analysis.

All other quality control requirements were met. No problems were encountered.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date Reported: March 3, 1997



Maureen Martin
Metals Supervisor

H2M LABS, INC.

III. CONTRACT LAB SAMPLE INFORMATION SHEET

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CASE RA016 SDG: G1122
INIT KD DATE 3/4/11

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J.G Jones	518-457-1705	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H2M	Nassau	3/2/11	9:00

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA0196	G1122	B60211	☐ This Sample	☐ Grab ☐ Composite ☐ Term ___ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0013

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY ORIGINAL LOCATED
CASE: A0960 SDG: 01212
INIT JH DATE 3/4/92

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13 PP Metals	☐ 3. Volatiles—(USEPA 624 GC/MS)	☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)	☐ 5. Cyanide	☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601-GC)	☐ 8. Aromatic Volatiles (USEPA 602-GC)	☐ 12. TSS
☐ 10. pH	☐ 11. COD	☐ 15. Ammonia
☐ 13. Settleable Solids	☐ 14. TKN	☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphorus	☐ 21. Total Phenols
☐ 19. Oil/Grease	☐ 20. TOC	☐ 60. PCB's congener method
☐ 22. Other _____	☐ 59. PCB's at 0.065 ug/L	☐ 64. Total Solids
	☐ 62. CBOD	☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23. (ALL)—Water—Includes 24-28	☐ 29. (ALL)— Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)	☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)	☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)	☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
☐ 27. Metals—23 in Water	☐ 33. Metals—23 inSoil/Sediment
☐ 28. Cyanide—Water	☐ 34. Cyanide—Soils/Sediment
☐ 66. Dioxin-Water (ASP #89-4)	☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
☐ 35. Other _____	

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity	☐ 40. VOA—(USEPA 8240-GC/MS)	☐ 41. BNA—(USEPA 8270-GC/MS)
☐ 42. Pesticides/PCB's (USEPA 8080)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63. Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. G Jones	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H N	Nassau	01/12/92	9:05

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
A0960	01212	B00212	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER

FLOW GPD MGD

A 0014

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY ORIGINAL LOCATED
Case 12496 SDG 0122
INIT XD DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J C Jones	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H, N	Nassau	01/27/97	9:15

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE
A 0 1 9 6	0 1 2 2	B 0 2 1 3	☐ This Sample	☐ Composite ☐ Grab ☐ Term ___ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week. Report via Catagory B. unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0015

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY ORIGINAL LOCATED

Place QA Label Here

INIT [illegible] DATE 3/4/97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13 PP Metals	☐ 3. Volatiles—(USEPA 624 GC/MS)	☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 625-GC'MS)	☐ 5. Cyanide	☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601-GC)	☐ 8. Aromatic Volatiles (USEPA 602-GC)	☐ 12. TSS
☐ 10. pH	☐ 11. COD	☐ 15. Ammonia
☐ 13. Settleable Solids	☐ 14. TKN	☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphorus	☐ 21. Total Phenols
☐ 19. Oil/Grease	☐ 20. TOC	☐ 60. PCB's congener method
☐ 22. Other _____	☐ 59. PCB's at 0.065 ug/L	☐ 64. Total Solids
	☐ 62. CBOD	☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23. (ALL)—Water—Includes 24-28	☐ 29. (ALL)— Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)	☒ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)	☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)	☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
☐ 27. Metals—23 in Water	☐ 33. Metals—23 inSoil/Sediment
☐ 28. Cyanide—Water	☐ 34. Cyanide—Soils/Sediment
☐ 66. Dioxin-Water (ASP #89-4)	☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
☐ 35. Other _____	

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity	☐ 40. VOA—(USEPA 8240-GC/MS)	☐ 41. BNA—(USEPA 8270-GC/MS)
☐ 42. Pesticides/PCB's (USEPA 8080)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63. Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + PSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J.C Jones	518-457-1702	1

CONTRACT LAB:	COUNTY	SAMPLING DATE:	MILITARY TIME:
H N	Nassau	01/22/97	9:20

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0122	B60214	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week — Report via Catagory B. unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐ Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER	FLOW A 0016 GRD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
LAB: BACK SDG: C122
INIT XD DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☑ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. C J...	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H. N	Nassau	01/22/97	9:35

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A C 9 6	0 1 2 2	B 6 0 2 5	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week — Report via Catagory B. unless checked ☐

SAMPLING POINT	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW A 0017 MGD

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CASE 22946 SDG: 0122

INIT JJ DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J. G. Jones	TELEPHONE NUMBER: 516-457-1708	REGION NO: 1
CONTRACT LAB: H, N	COUNTY: Nassau	SAMPLING DATE: 01/22/97
		MILITARY TIME: 9 50

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 4 6	0 1 2 2	B 6 0 2 1 6	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		ALO: A 0018 SD SGD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CASE RA096 SDG 01212
INIT JS DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☑ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J & J. M-S	518-457-1208	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H. N	Nassau	01/22/97	10:45

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	01212	BE0217	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD MGD

A 0013

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY ORIGINAL LOCATED
CASE: RA0916 SDG: 01122
INIT: JS DATE: 3/4/97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☒ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. G Jones	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H2N	Nassau	01/22/97	11:00

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA0916	01122	B60218	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☒ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW A 0020 GPD GD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY ORIGINAL LOCATED
CSF (Case Binder Section)
INIT [illegible] DATE 3/4/97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☒ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J.G. Jones	TELEPHONE NUMBER: 518-457-1758	REGION NO: 1
CONTRACT LAB: H2N	COUNTY: Nassau	SAMPLING DATE: 01/22/97	MILITARY TIME: 11:00

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	0124	BG0219	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW MGD

A 0021

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY ORIGINAL LOCATED (CHECKED SDG) INIT JD DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: JC Jones	TELEPHONE NUMBER: 518-457-1705	REGION NO: 5
CONTRACT LAB: IEM	COUNTY: Nassau	SAMPLING DATE: 1-22-97
MILITARY TIME: 1445		

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☑ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA149	C1122	B60220	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER A FL 0022 GPD MGD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY ORIGINAL LOCATED CAS, LAND & SPR. 6122

INIT [illegible] DATE 3/14/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J Jones	TELEPHONE NUMBER: 315-471-1702	REGION NO: 1
CONTRACT LAB: H2M	COUNTY: Nassau	SAMPLING DATE: 1-22-97
		MILITARY TIME: 15:15

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA096	C1122	B60122 1	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☒ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW A 0028 GPD GD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CC: [illegible] SDG: 0122
INIT [illegible] DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☒ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☐ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. G. J.	518 457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H, N	N.	1/22/97	15:50

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R 0 9 4 6	0 1 2 2	B 6 0 2 2 2	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☒ Check if there will be more samples with this SDG sent in this calendar week — Report via Catagory B. unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW A 0024 GPD

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
C.S. CHEM-DOC 1-22
INIT JS DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J G J...	518-457-1708	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
I-I, N	Nassau C...	1/21/97	14'45

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 9 6	0 4 2 2	B 6 0 2 2 3	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week. Report via Catagory B, unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW GPD A 0025

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

COPY
ORIGINAL LOCATED
CASE: RA096 SDG: 0122
INIT: XD DATE: 3/4/97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J G Jones	518 457-1707	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H2M	Nassau	1/22/97	14:45

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:	
RA096	0122	B60223A	☐ This Sample	☐ Composite	☐ Grab ☐ Term ___ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week. Report via Catagory B unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐ Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER	FLOW A 0026 MGD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CASE 16496 SDG: C22

INIT JD DATE 3/1/92

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J G J...	TELEPHONE NUMBER: (51 45 7-17[illegible]	REGION NO: 1
CONTRACT LAB: L N	COUNTY: N. C.	SAMPLING DATE: 1/22/92
MILITARY TIME: 1515		

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 9 6	C 1 2 2	R 6 0 2 2 4	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER		FLOW A 0027 MGD

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

COPY
ORIGINAL LOCATED
CASE: RA0916, EDD: C122

INIT JB DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
J. C. Jones	518-457-1704	1

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
H. M	Nassau	1/22/97	15:15

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
RA0916	01222	B60224A	☐ This Sample	☐ Composite ☐ Grab ☐ Term ____ hrs

☑ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT.

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER A 0028 FLOW GPD MGD

Send This Sheet with Sample to Contract Lab

74-15-1 (4/91)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

ORIGINATED

INIT JB DATE 3/4/97

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J.C. Jones	TELEPHONE NUMBER: 518-457-1744	REGION NO: 1
CONTRACT LAB: H.N	COUNTY: Nassau	SAMPLING DATE: 1/22/97
MILITARY TIME: 1545		

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 7 6	0 1 2 2	B 6 0 2 2 5	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B. unless checked ☐

SAMPLING POINT:	Check if field duplicate ☐	Outfall Number	Check if sampling is part of inspection ☐
	SPDES NUMBER/REGISTRY NUMBER	FLOW A 0029 GPD MGD	

74-15-1 (4/91)—9a

Send This Sheet with Sample to Contract Lab

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

Part 3

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

ORIGINAL [illegible] SDG: [illegible]

INIT [illegible] DATE 3/4/97

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- ☐ 2. 13 PP Metals
- ☐ 3. Volatiles—(USEPA 624 GC/MS)
- ☐ 6. Pesticides/PCB's (USEPA 608-GC)
- ☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
- ☐ 5. Cyanide
- ☐ 9. BOD
- ☐ 7. Halogenated Volatiles (USEPA 601-GC)
- ☐ 8. Aromatic Volatiles (USEPA 602-GC)
- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
- ☐ 13. Settleable Solids
- ☐ 14. TKN
- ☐ 18. Reactive Phosphorus
- ☐ 16. Nitrate/Nitrite
- ☐ 17. Total Phosphorus
- ☐ 21. Total Phenols
- ☐ 19. Oil/Grease
- ☐ 20. TOC
- ☐ 60. PCB's congener method
- ☐ 22. Other _____
- ☐ 59. PCB's at 0.065 ug/L
- ☐ 64. Total Solids
- ☐ 62. CBOD
- ☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

- ☐ 23. (ALL)—Water—Includes 24-28
- ☐ 29. (ALL)— Soil/Sediments—Includes 30-34
- ☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
- ☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
- ☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
- ☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
- ☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
- ☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
- ☒ 27. Metals—23 in Water
- ☐ 33. Metals—23 inSoil/Sediment
- ☐ 28. Cyanide—Water
- ☐ 34. Cyanide—Soils/Sediment
- ☐ 66. Dioxin-Water (ASP #89-4)
- ☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
- ☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
- ☐ 38. Ignitability
- ☐ 39. Corrosivity
- ☐ 40. VOA—(USEPA 8240-GC/MS)
- ☐ 41. BNA—(USEPA 8270-GC/MS)
- ☐ 42. Pesticides/PCB's (USEPA 8080)
- ☐ 43. TCLP
- ☐ 44. TCLP (Metals Only)
- ☐ 45. Reactivity
- ☐ 46. Dioxin (USEPA 8280)
- ☐ 47. Appendix IX
- ☐ 48. Other _____
- ☐ 63. Percent Solids
- ☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

- ☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
- ☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: J.C. Jones	TELEPHONE NUMBER: 518-451-1707	REGION NO: 1
CONTRACT LAB: H2M	COUNTY: Nassau	SAMPLING DATE: 1/22/97
		MILITARY TIME: 11:45

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
R A 0 7 6	0 1 2 2	B 6 0 2 2 5A	☐ This Sample	☐ Grab ☐ Composite ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW A 0030 GPD MGD

IV. CHAIN OF CUSTODY DOCUMENTATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOA ANALYSES

Laboratory sample ID	Matrix	Date Collected	Date rec'd At Lab	LEVEL	Date Analyzed
B60211	SOIL	1/22/97	1/23/97	low	1/24/97
B60211DL	SOIL	1/22/97	1/23/97	low	1/27/97
B60212	SOIL	1/22/97	1/23/97	low	1/24/97
B60213	SOIL	1/22/97	1/23/97	low	1/24/97
B60215	SOIL	1/22/97	1/23/97	low	1/24/97
B60215DL	SOIL	1/22/97	1/23/97	low	1/27/97
B60216	SOIL	1/22/97	1/23/97	low	1/24/97
B60217	SOIL	1/22/97	1/23/97	low	1/24/97
B60218	SOIL	1/22/97	1/23/97	low	1/27/97
TRIP BLANK	water	1/22/97	1/23/97	low	1/30/97
B60220	water	1/22/97	1/23/97	low	1/29/97
B60220DL	water	1/22/97	1/23/97	low	1/30/97
B60221	water	1/22/97	1/23/97	low	1/29/97
B60221DL	water	1/22/97	1/23/97	low	1/29/97
B60222	water	1/22/97	1/23/97	low	1/28/97
B60222DL	water	1/22/97	1/23/97	low	1/28/97

H2M LABS, INC.

Environmental and Industrial Analytical Laboratory
575 Broad Hollow Road, Melville, N.Y. 11747-5076
(516) 694-3040
FAX: 516-694-4122

0122

№ 6403

EXTERNAL CHAIN OF CUSTODY

PROJ. NO.	PROJECT NAME
RA096	Atlas Graphics

SAMPLERS: (Signature)/Client
J. G. Jones (NYSDEC)

DELIVERABLES:
ASP-B

Refrigerator #

SAMPLE CONTAINER DESCRIPTION →

TOTAL NO. OF CONTAINERS

2 x 2 Jar | 4 x 2 Jar | 2 x 2 Jar

ANALYSIS REQUESTED

	ORGANIC							INORG.	
DATE	TIME	MATRIX	FIELD I.D.	VOA	BNA	Pest/PCB					Metal	CN	LAB I.D. No.	REMARKS
1/22/97	9:00	soil	BGC211 5-7'	X							X		9702025	ASP-B (S-7)
1/22/97	9:05	soil	BGC212 10-12'	X							X			
1/22/97	9:15	soil	BGC213 15-17'	X							X			
1/22/97	9:20	soil	BGC214 17-19'		X						X		026	
1/22/97	9:35	soil	BGC215 20-22'	X										
1/22/97	9:50	soil	BGC216 25-27'	X	X									
1/22/97	10:05	soil	BGC217 30-32'	X										
1/22/97	11:00	soil	BGC218 35-37'	X										
1/22/97	11:10	soil	BGC219 35-37'		X						X		MS/MSD 023	
				9	2									

Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Jerry G. Jones	1/23/97	10:25			
Relinquished by: (Signature)	Date	time	Received by: (Signature)	Date	time
Relinquished by: (Signature)	Date	time	Received for Laboratory by: (Signature)	Date	time
				1/23/97	10:25

PROJECT CONTACT:

PHONE NUMBER:

Discrepancies Between Sample Labels and COC Record? Y or (N)
NOTES:

LABORATORY USE ONLY

Samples were:
1) Shipped ___ or Hand Delivered ✓
Airbill # _____
2) Ambient or (Chilled) 4.6
3) Recieved in Good Condition (Y) or N
4) Properly Preserved (Y) or N
5) Samples returned to lab. ___ hours from Collection

COC Tape was:
1) Present on Outer Package Y or (N)
2) Unbroken on Outer Package Y or (N)
3) COC Record Present and Complete Upon Sample Rec't. (Y) or N

NOTES:
Soil

COPY ORIGINAL LOCATED
CSF CASE NOTE SDG: C1122
INIT JG DATE 3/2/97

ORIGINAL COPY

A 0032

H2M LABS, INC.

TAT 1/24/97

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECB DELIVERABLES: ~~AS-70~~ ACTO TURN AROUND TIME Stand

SDG #: 0122 CASE #: RA096 (RA9-14) MATRIX: SO pH CHECK Y or N

REMARKS:

RECEIVED BY: DAS SIGNATURE [signature] TAT 1/23/97 DATE ~~1-24~~ 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B160211	9702025	1-22-97	A	1	PUTCL, TB
2	B160212	026				
3	B160213	027				
4	B160215	9702029				
5	B160216	030				
6	B160217	031				
7	B160218	032				
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

COPY
ORIGINAL LOCATED
IN H2M FACILITIES
INIT [illegible] DATE 3/21/97

TAT 1-23-97

P 0016

A 0034

H2M LABS, INC.

CLIENT: NDEC/BMTJ 1/24/97

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN	AIIA	analysis	
1/27/97	1260	SIGN	SIGN	AII A	T.S. Analysis	
1/27/97	1366	SIGN	SIGN	AIIA	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			

COPY
ORIGINAL LOCATED IN [illegible]
INIT [illegible] DATE 3/11/97

P 0017

A 0035

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

TAJ 1/24/97

CLIENT: NDEC DELIVERABLES: ~~AS-70~~ AC70 (KD 1-24) TURN AROUND TIME: Stand.

SDG #: 0122 CASE #: RA096 MATRIX: ML pH CHECK Y or N

REMARKS:

RECEIVED BY: TAJ SIGNATURE: [signature] DATE: 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B60220	9702037	1-22-97	D	2	PUTCL
2	B60221	038				
3	B60222	039				
4	TAJ 1/23/97 ~~B60223~~ Trip Blank	9702046				
5	TAJ 1/23/97 ~~B60223A~~					
6	TAJ 1/23/97 ~~B60224~~					
7	TAJ 1/23/97 ~~B60224A~~					
8	TAJ 1/23/97 ~~B60225~~					
9	TAJ 1/23/97 ~~B60225A~~					
10	TAJ 1/23/97 ~~Trip Blank~~					
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

TAJ 1-23-97

COPY
ORIGINAL LOCATED
INIT DATE 3/4/97

H2M LABS, INC.

CLIENT: NJDEPE TAT 1/24/97

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN	All D	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
		SIGN	SIGN			

COPY
ORIGINAL LOCATED
INIT ✓ DATE 3/11/97

P 0020

A 0037

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: NDECB DELIVERABLES: ~~AS70~~ (RD 1-24) AC70 TURN AROUND TIME Stand

SDG #: 0122 CASE #: RA096 MATRIX: SO pH CHECK Y or N

REMARKS:

RECEIVED BY: TAS SIGNATURE [signature] DATE 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B502H	9702028	1-22-97	B	1	BATCL, XBATCL
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

COPY
ORIGINAL LOCATED
IN [illegible]
INI DATE 3/11/97

Print 1/23/97

H2M LABS, INC.

CLIENT: NJDECB

SDG #: 0122

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	17.0	SIGN	SIGN M Crespi	All B	org analysis	
1/24/97	12.5	SIGN M Crespi	SIGN L Jackson	All B	Extraction	
1/27/97	10.0	SIGN L Jackson	SIGN	All B	T.S.	
1/27/97	14.35	SIGN	SIGN L Jackson	All B	Storage Extraction	1/27 CJ
1/28/97	11.0	SIGN L Jackson	SIGN M Crespi	All B E	GPC	
1/30/97	14.40	SIGN M Crespi	SIGN	All B E	ANALYSIS	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
		SIGN	SIGN			

COPY
ORIGINAL LOCATED
DOCUMENT CONTROL
INIT XD DATE 3/11/97

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: NDEQB DELIVERABLES: ~~AS 70~~ AC70 TURN AROUND TIME Stand

SDG #: 0122 CASE #: RA096 SDG 1/24/97 MATRIX: SO/GW pH CHECK Y or N

REMARKS:

RECEIVED BY: TAJ SIGNATURE TAJ DATE 1-23-97 TIME: 10:25

	CLIENT I.D.	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	B60209 MS/MSD 219 TAJ 1/23/97	9702033	1-22-97	TAT 1/23/97 A B	1	TCL Metals TS dig
2	B60223	9702040	↓	EN	1	↓ dig
3	B60223A	041	↓	↓	1	DTCL Metals dig
4	B60224	042	↓	↓	1	TCL Metals dig
5	B60224A	043	↓	↓	1	DTCL Metals dig
6	B60225 MS/MSD	044	↓	↓	3	TCL Metals dig
7	B60225A MS/MSD	045	↓	↓	3	DTCL Metals dig
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

TAT 1/23/97

COPY
ORIGINAL LOCATED
INIT AD DATE 5/1/97

A 0040

D 0139

H2M LABS, INC.

CLIENT: NDECB

SDG #: 0122

COPY ORIGINAL LOCATED

INIT [illegible] DATE 5/11/98

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEVIED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT.
1/23/97	1430	SIGN	SIGN	AllB,En	prep/analysis	
1/27/97	1420	SIGN	SIGN	allB	T.S.	
1/27/97	1450	SIGN	SIGN	allB	storage	
1/30/97	9:00	SIGN	SIGN	allB	Hg prep	
1/30/97	9:30	SIGN	SIGN	allB	storage	
1/31/97	6:15	SIGN	SIGN	allB.D	Hg analysis	
2/12/97	1530	SIGN	SIGN Dig Stor Cab.	All B,En	storage	
Feb 12, 97	18:30	SIGN Dig Cabinet	SIGN	All B, En	Digestion	
Feb 13, 97	01:15	SIGN	SIGN Dig Cabinet	All B, En + fl digs	Storage	
2/13/97	845	SIGN Digs Cabinet	SIGN	All B, En + Digs	storage	
2/14/97	1505	SIGN	SIGN Cabinet B	All Digs	storage	
2/15/97	11:00	SIGN Cabinet B	SIGN	All fl digs	ICP (Grace)	
2/15/97	14:00	SIGN	SIGN Cabinet B	All fl digs	Storage	
2/18/97	910	SIGN Cabinet B	SIGN	All fl digs	storage	
2/18/97	900	SIGN	SIGN	all fl digs	ICP 61 (Na, K)	
2/18/97	1530	SIGN	SIGN	All Fl digs	continued 61 Analysis	
2/18/97	1805	SIGN	SIGN	All Fl digs	storage	
2/21/97	1500	SIGN	SIGN	All Fl Digs	Fluoride Dilutions	
2/21/97	17:00	SIGN	SIGN	All Fl Digs	storage	
2/22/97	9:30	SIGN	SIGN	All Fl digs	ICP (dilutions)	
2/23/97	13:30	SIGN	SIGN Cabinet B	All Fl. digs	Storage	
2/26/97	11:00	SIGN Cabinet B	SIGN	All Fl digs	ICP (dilutions)	
2/26/97	16:00	SIGN	SIGN Cabinet B	All Fl digs	Storage	
2/27/97	7:05	SIGN Cabinet B	SIGN	All Fl Digs	storage	
		SIGN	SIGN			

V. ANALYTICAL DATA PACKAGES

A. VOLATILES
B. SEMIVOLATILES
C. METALS

H2M LABS, INC.

RA096
0122

VOLATILE ORGANICS

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C. MS/MSD FORM
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E. GC/MS TUNING FORM
F. INTERNAL STANDARD AREA AND RT SUMMARY
G. INSTRUMENT DETECTION LIMITS

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK28	104	102	101	0
02	B60222	105	100	102	0
03	VBLK29	106	97	100	0
04	B60220	117*	96	105	1
05	B60221	113	96	104	0
06	B60221DL	116*	95	106	1
07	B60222DL	113	97	106	0
08	VBLK30	101	98	101	0
09	B60220DL	103	98	100	0
10	TRIP BLANK	104	94	102	0

				QC LIMITS
SMC1	(DCE)	=	1,2-Dichloroethane-d4	(76-114)
SMC2	(TOL)	=	Toluene-d8	(88-110)
SMC3	(BFB)	=	Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	VBLK24	105	98	99	0
02	B60211	109	103	88	0
03	B60212	110	97	102	0
04	B60213	110	96	102	0
05	B60215	109	100	101	0
06	B60216	113	97	105	0
07	B60217	111	96	103	0
08	VBLK27	107	96	98	0
09	B60211DL	106	97	99	0
10	B60215DL	108	99	99	0
11	B60218	109	98	101	0

				QC LIMITS
SMC1	(DCE)	=	1,2-Dichloroethane-d4	(70-121)
SMC2	(TOL)	=	Toluene-d8	(84-138)
SMC3	(BFB)	=	Bromofluorobenzene	(59-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK28

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05499.D Lab Sample ID: VBLK28

Date Analyzed: 01/28/97 Time Analyzed: 13:02

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60222	9702039	P05507.D	17:19

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK29

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05520.D Lab Sample ID: VBLK29

Date Analyzed: 01/29/97 Time Analyzed: 14:36

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60220	9702037	P05528.D	18:14
02	B60221	9702038	P05530.D	19:14
03	B60221DL	9702038DL 1:5	P05531.D	19:43
04	B60222DL	9702039DL 1:5	P05532.D	20:13

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK30

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05538.D Lab Sample ID: VBLK30

Date Analyzed: 01/30/97 Time Analyzed: 12:54

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60220DL	9702037DL 1:25	P05540.D	13:54
02	TRIP BLANK	9702046	P05541.D	14:23

COMMENTS

_____

_____

V 0007

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK24

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05462.D Lab Sample ID: VBLK24

Date Analyzed: 01/24/97 Time Analyzed: 10:59

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60211	9702025	P05476.D	18:18
02	B60212	9702026	P05477.D	18:49
03	B60213	9702027	P05478.D	19:20
04	B60215	9702029	P05479.D	19:50
05	B60216	9702030	P05480.D	20:21
06	B60217	9702031	P05481.D	20:52

COMMENTS

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK27

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05485.D Lab Sample ID: VBLK27

Date Analyzed: 01/27/97 Time Analyzed: 16:00

GC Column: RTX502. ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: 5970

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	B60211DL	9702025DL	P05486.D	16:44
02	B60215DL	9702029DL	P05487.D	17:15
03	B60218	9702032	P05488.D	17:46

COMMENTS

V 0009

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05319.D BFB Injection Date: 12/31/96

Instrument ID: 5970 BFB Injection Time: 09:05

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 60.0% of mass 95	52.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	69.2
175	5.0 - 9.0% of mass 174	5.5 (8.0)1
176	95.0 - 101.0% of mass 174	68.0 (98.2)1
177	5.0 - 9.0% of mass 176	4.7 (6.9)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	VSTD010	VSTD010	P05325.D	12/31/96	13:23
02	VSTD020	VSTD020	P05326.D	12/31/96	13:54
03	VSTD050	VSTD050	P05327.D	12/31/96	14:25
04	VSTD100	VSTD100	P05328.D	12/31/96	14:56
05	VSTD200	VSTD200	P05329.D	12/31/96	15:27

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05460.D BFB Injection Date: 01/24/97

Instrument ID: 5970 BFB Injection Time: 09:11

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	55.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	68.3
175	5.0 - 9.0% of mass 174	5.0 (7.4)1
176	95.0 - 101.0% of mass 174	68.5 (100.3)1
177	5.0 - 9.0% of mass 176	4.7 (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	VSTD050	VSTD050	P05461.D	01/24/97	10:19
02	VBLK24	VBLK24	P05462.D	01/24/97	10:59
03	B60211	9702025	P05476.D	01/24/97	18:18
04	B60212	9702026	P05477.D	01/24/97	18:49
05	B60213	9702027	P05478.D	01/24/97	19:20
06	B60215	9702029	P05479.D	01/24/97	19:50
07	B60216	9702030	P05480.D	01/24/97	20:21
08	B60217	9702031	P05481.D	01/24/97	20:52

V 0012

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05483.D BFB Injection Date: 01/27/97

Instrument ID: 5970 BFB Injection Time: 12:46

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.4
75	30.0 - 60.0% of mass 95	57.2
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 - 120.0% of mass 95	69.7
175	5.0 - 9.0% of mass 174	5.1 (7.3)1
176	95.0 - 101.0% of mass 174	70.0 (100.4)1
177	5.0 - 9.0% of mass 176	5.0 (7.2)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	VSTD050	VSTD050	P05484.D	01/27/97	15:21
02	VBLK27	VBLK27	P05485.D	01/27/97	16:00
03	B60211DL	9702025DL	P05486.D	01/27/97	16:44
04	B60215DL	9702029DL	P05487.D	01/27/97	17:15
05	B60218	9702032	P05488.D	01/27/97	17:46

V 0013

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05495.D BFB Injection Date: 01/28/97

Instrument ID: 5970 BFB Injection Time: 09:31

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.2
75	30.0 - 60.0% of mass 95	56.7
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	5.0 (7.5)1
176	95.0 - 101.0% of mass 174	67.0 (100.6)1
177	5.0 - 9.0% of mass 176	4.5 (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	VSTD050	VSTD050	P05498.D	01/28/97	12:21
02	VBLK28	VBLK28	P05499.D	01/28/97	13:02
03	B60222	9702039	P05507.D	01/28/97	17:19

V 0014

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Lab File ID: P05518.D BFB Injection Date: 01/29/97

Instrument ID: 5970 BFB Injection Time: 13:06

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	54.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.6 (8.0)1
176	95.0 - 101.0% of mass 174	70.8 (100.2)1
177	5.0 - 9.0% of mass 176	4.7 (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:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	P05519.D	01/29/97	13:49
02	VBLK29	VBLK29	P05520.D	01/29/97	14:36
03	B60220	9702037	P05528.D	01/29/97	18:14
04	B60221	9702038	P05530.D	01/29/97	19:14
05	B60221DL	9702038DL 1:5	P05531.D	01/29/97	19:43
06	B60222DL	9702039DL 1:5	P05532.D	01/29/97	20:13

V 0015

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID: P05536.D BFB Injection Date: 01/30/97

Instrument ID: 5970 BFB Injection Time: 08:57

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.3
75	30.0 - 60.0% of mass 95	57.6
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 - 120.0% of mass 95	66.5
175	5.0 - 9.0% of mass 174	5.2 (7.8)1
176	95.0 - 101.0% of mass 174	66.0 (99.3)1
177	5.0 - 9.0% of mass 176	4.9 (7.4)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	VSTD050	VSTD050	P05537.D	01/30/97	12:11
02	VBLK30	VBLK30	P05538.D	01/30/97	12:54
03	B60220DL	9702037DL 1:25	P05540.D	01/30/97	13:54
04	TRIP BLANK	9702046	P05541.D	01/30/97	14:23

V 0016

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05498.D Date Analyzed: 01/28/97

Instrument ID: 5970 Time Analyzed: 12:21

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	78170	10.95	306444	12.36	243567	17.63
	UPPER LIMIT	156340	10.45	612888	11.86	487134	17.13
	LOWER LIMIT	39085	11.45	153222	12.86	121784	18.13
	EPA SAMPLE NO.						
01	VBLK28	81220	10.97	314671	12.38	248528	17.64
02	B60222	71923	10.99	256802	12.41	208764	17.68

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05519.D Date Analyzed: 01/29/97

Instrument ID: 5970 Time Analyzed: 13:49

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	84715	11.05	357408	12.47	281348	17.73
	UPPER LIMIT	169430	10.55	714816	11.97	562696	17.23
	LOWER LIMIT	42358	11.55	178704	12.97	140674	18.23
	EPA SAMPLE NO.						
01	VBLK29	80883	11.05	321665	12.46	254883	17.72
02	B60220	76995	11.03	286473	12.44	235900	17.70
03	B60221	75310	11.02	287337	12.43	237635	17.70
04	B60221DL	80616	11.04	301064	12.45	249975	17.72
05	B60222DL	74735	11.05	284111	12.47	229416	17.73

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

V 0018

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05537.D Date Analyzed: 01/30/97

Instrument ID: 5970 Time Analyzed: 12:11

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	65762	11.08	260179	12.49	211874	17.76
	UPPER LIMIT	131524	10.58	520358	11.99	423748	17.26
	LOWER LIMIT	32881	11.58	130090	12.99	105937	18.26
	EPA SAMPLE NO.						
01	VBLK30	68310	11.07	268160	12.49	224941	17.75
02	B60220DL	79675	11.08	303278	12.48	259232	17.74
03	TRIP BLANK	78478	11.07	285800	12.47	246038	17.76

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05461.D Date Analyzed: 01/24/97

Instrument ID: 5970 Time Analyzed: 10:19

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	109635	11.27	392211	12.68	313283	17.96
	UPPER LIMIT	219270	10.77	784422	12.18	626566	17.46
	LOWER LIMIT	54818	11.77	196106	13.18	156642	18.46
	EPA SAMPLE NO.						
01	VBLK24	115408	11.27	419490	12.69	342222	17.96
02	B60211	85132	11.23	268090	12.65	188631	17.94
03	B60212	95032	11.25	334315	12.65	271577	17.93
04	B60213	100394	11.25	341648	12.66	278985	17.94
05	B60215	95160	11.23	325463	12.65	252112	17.93
06	B60216	101595	11.23	356095	12.64	288427	17.94
07	B60217	104319	11.23	359980	12.64	293041	17.92

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

V 0020

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Lab File ID (Standard): P05484.D Date Analyzed: 01/27/97

Instrument ID: 5970 Time Analyzed: 15:21

GC Column: RTX502.2 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR ST	98034	11.26	366979	12.66	293533	17.95
	UPPER LIMIT	196068	10.76	733958	12.16	587066	17.45
	LOWER LIMIT	49017	11.76	183490	13.16	146767	18.45
	EPA SAMPLE NO.						
01	VBLK27	101911	11.26	382720	12.66	316692	17.95
02	B60211DL	107352	11.25	384576	12.67	311003	17.95
03	B60215DL	99827	11.26	354212	12.67	283989	17.95
04	B60218	89348	11.25	312093	12.66	253919	17.94

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

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 to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

V 0021

VOLATILES INSTRUMENT DETECTION LIMIT STUDY

SPIKE AMOUNT: 5 ppb INSTRUMENT ID: H5970-3 DATE ANALYZED: 01/21/97

COMPOUND	P05432.D	P05433.D	P05434.D	P05435.D	P05436.D	P05437.D	P05438.D	S	IDL (ng)	CRDL
Chloromethane	5.25	5.57	4.82	5.14	4.78	5.34	5.99	0.42	7	50 ng
Vinyl Chloride	5.29	5.43	4.62	4.97	4.79	5.14	5.89	0.43	7	50 ng
Bromomethane	5.24	5.94	5.05	5.55	5.09	5.63	6.27	0.45	7	50 ng
Chloroethane	5.05	5.60	4.44	4.93	4.57	4.81	5.38	0.42	7	50 ng
1,1-Dichloroethene	4.81	5.14	4.16	4.50	4.27	4.44	5.31	0.44	7	50 ng
Carbon Disulfide	4.87	5.04	4.31	4.47	4.36	4.58	5.39	0.40	6	50 ng
Acetone	10.99	8.80	7.45	7.61	7.90	8.10	5.52	1.11	17	50 ng
Methylene Chloride	5.95	6.43	5.74	5.82	5.69	6.10	6.88	0.43	7	50 ng
trans-1,2-Dichloroethene	4.80	4.83	4.18	4.30	4.35	4.58	5.45	0.43	7	50 ng
cis-,1,2-Dichloroethene	4.72	5.04	4.39	4.53	4.60	4.79	5.63	0.42	7	50 ng
1,2-Dichloroethene (total)	9.67	10.91	9.52	9.94	9.76	10.32	11.89	0.85	13	50 ng
1,1-Dichloroethane	4.87	5.06	4.69	4.87	4.47	4.83	5.61	0.36	6	50 ng
Chloroform	4.66	5.01	4.47	4.77	4.56	4.84	5.75	0.43	7	50 ng
1,2-Dichloroethane	4.92	5.36	5.09	5.23	5.39	5.43	6.38	0.47	7	50 ng
2-Butanone	6.66	7.86	7.18	6.97	6.98	6.72	5.56	0.69	11	50 ng
1,1,1-Trichloroethane	4.71	5.38	4.85	5.14	5.07	4.97	6.36	0.55	9	50 ng
Carbon Tetrachloride	4.57	5.24	4.67	5.00	4.96	4.64	6.26	0.58	9	50 ng
Trichloroethene	4.74	5.23	4.61	5.03	5.53	4.89	5.94	0.47	7	50 ng
Benzene	5.28	5.42	4.67	5.00	4.90	5.04	6.13	0.48	7	50 ng
1,2-Dichloropropane	4.93	5.52	4.99	5.45	5.16	5.46	6.23	0.44	7	50 ng
Bromodichloromethane	4.61	5.58	5.04	5.23	5.22	5.45	6.46	0.57	9	50 ng
cis-1,3-Dichloropropene	4.56	5.13	4.78	4.67	4.86	4.95	5.87	0.43	7	50 ng
trans-1,3-Dichloropropene	4.25	5.21	4.76	4.94	4.92	5.08	6.11	0.56	9	50 ng
1,1,2-Trichloroethane	4.65	5.62	5.45	5.60	5.39	5.83	6.87	0.66	10	50 ng
Dibromochloromethane	4.28	5.30	4.96	5.24	5.31	5.50	6.54	0.68	11	50 ng
Bromoform	4.16	5.08	5.01	5.11	5.18	5.36	6.14	0.58	9	50 ng
4-Methyl-2-Pentanone	6.48	6.95	6.81	5.96	6.70	6.52	7.41	0.45	7	50 ng
Toluene	4.98	5.13	4.88	4.74	4.81	4.59	5.79	0.39	6	50 ng
Tetrachloroethene	4.62	4.91	4.38	4.42	4.40	3.89	5.70	0.57	9	50 ng
2-Hexanone	5.71	6.20	5.85	6.59	5.88	5.27	5.50	0.44	7	50 ng
Chlorobenzene	4.80	5.31	4.74	4.94	4.94	4.76	5.99	0.45	7	50 ng
Ethylbenzene	4.71	5.22	5.04	4.84	4.67	4.26	5.69	0.45	7	50 ng
Xylene (total)	4.79	5.12	4.92	4.69	4.53	4.22	5.82	0.50	8	50 ng
Styrene	4.78	5.25	4.68	4.79	4.69	4.37	5.76	0.46	7	50 ng
m/p-Xylene	9.88	9.97	8.94	9.15	8.88	8.47	11.00	0.86	14	50 ng
1,1,2,2-Tetrachloroethane	4.96	5.74	5.71	5.47	4.29	5.61	6.51	0.70	11	50 ng

H2M LABS, INC.

II. SAMPLE DATA PACKAGE FOR VOLATILE ORGANICS

A. REPORTS
B. RAW DATA

H2M LABS, INC.

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to

$$\frac{(330\ U) \times df}{D} \quad \text{where } D = \frac{100 - \%\ \text{moisture}}{100}$$

and df = dilution factor

For example, at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(330\ U) \times 10}{.76} = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory-defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g., a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceeds 200 ug/l or the peak representing the two coeluting isomers on that GC column exceeds 400 ug/l. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceeds 400 ug/l.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The Laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60211

A6SP-02 (5-7')

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05476.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	380	E
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60211

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05476.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

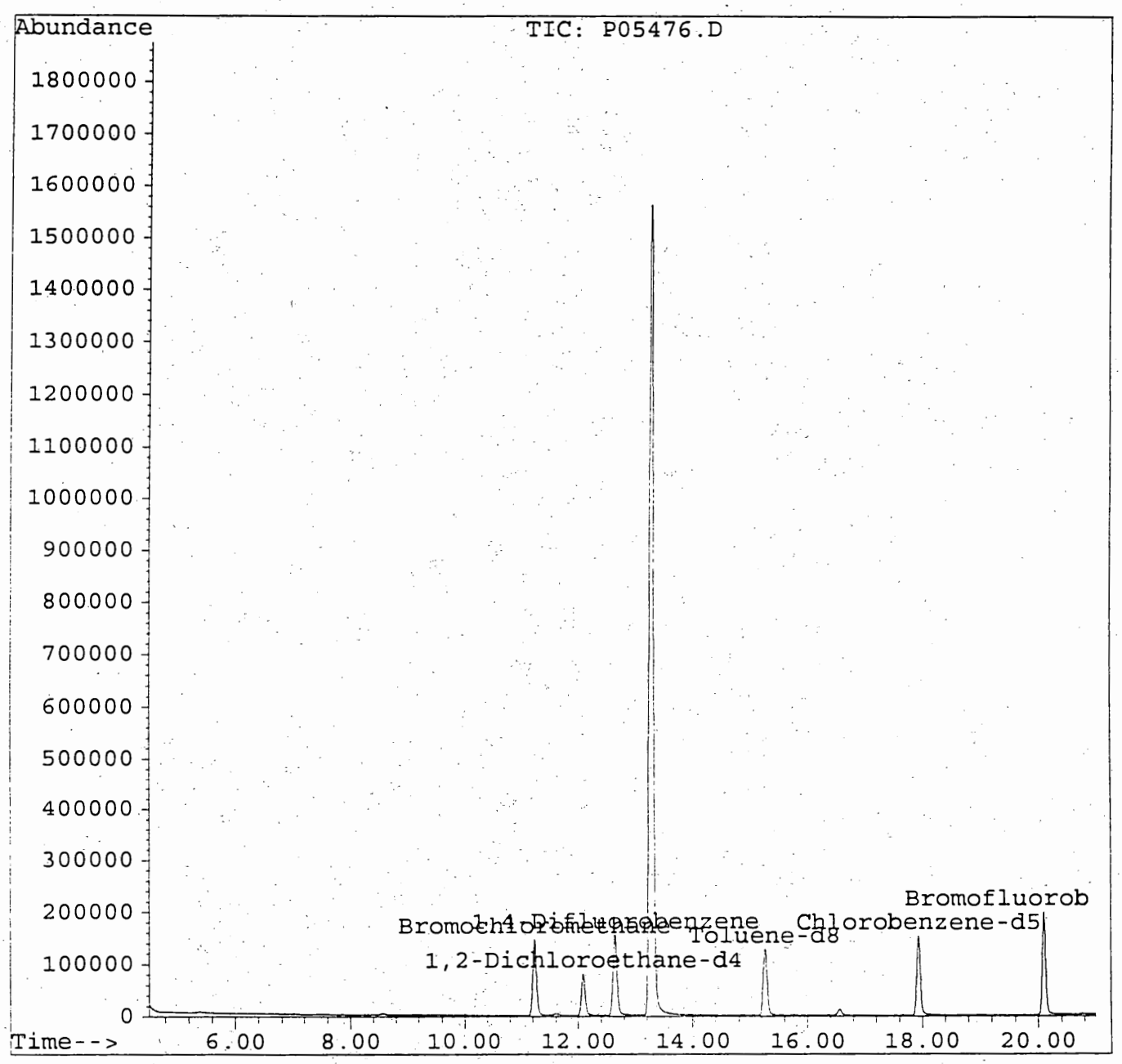
V 0027

Quantitation Report

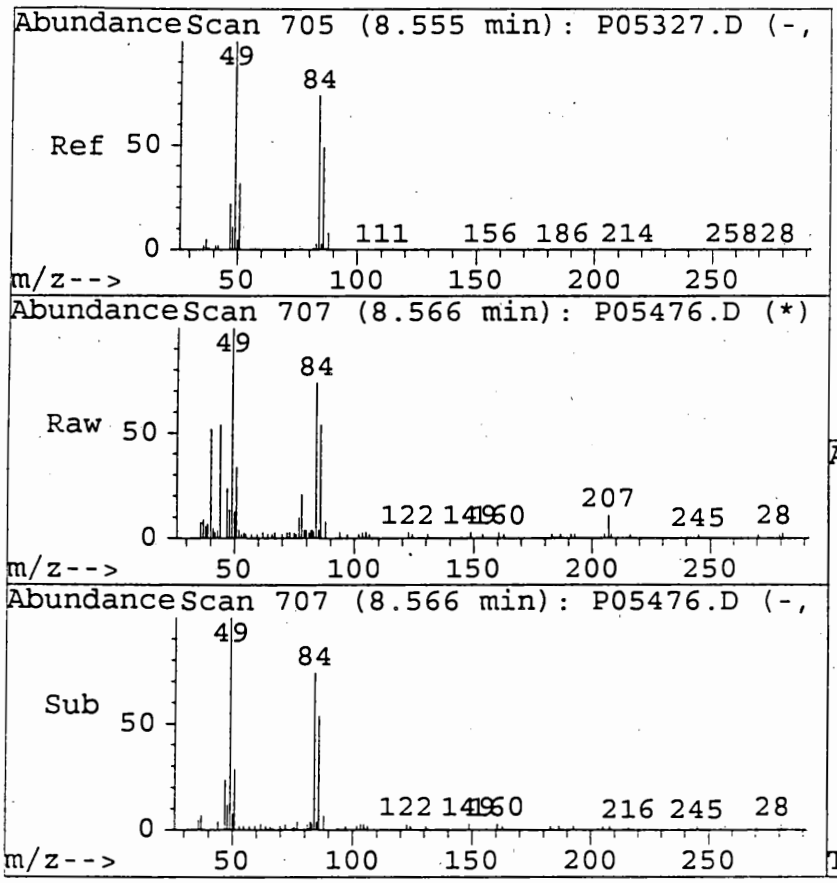
Data File : S:\MS\HP#3\JAN97\P05476.D
Acq On : 24 Jan 97 6:18 pm
Sample : 9702025
Misc : B60211 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 18:43 1997

Vial: 16
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



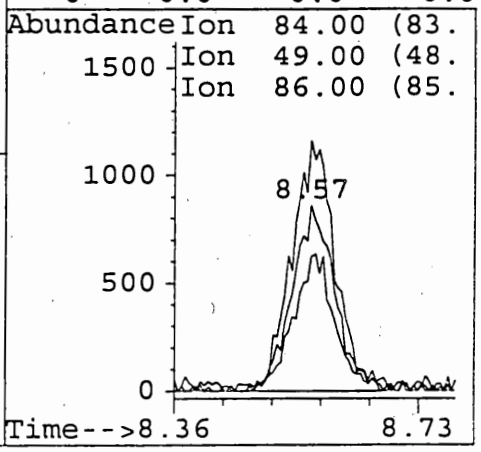
V 0028

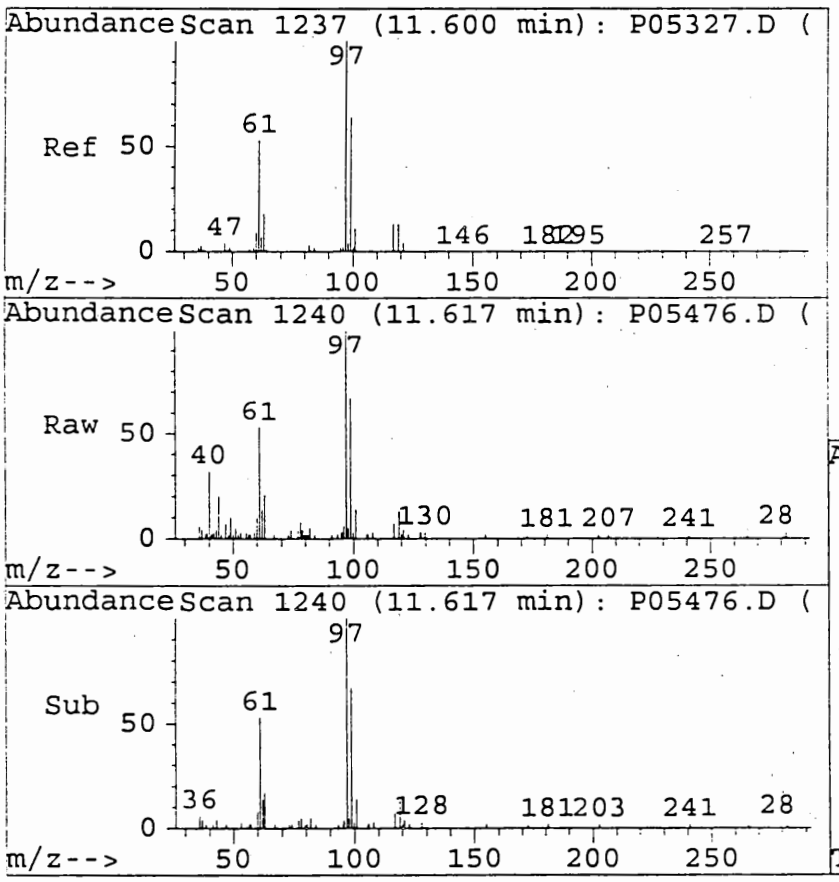


#9
Methylene Chloride
Concen: 1.24 UG/L
RT: 8.57 min Scan# 707
Delta R.T. -0.05 min
Lab File: P05476.D
Acq: 24 Jan 97 6:18 pm

Tgt Ion:84 Resp: 3818

Ion	Ratio	Lower	Upper
84	100		
49	132.1	113.6	153.6
86	72.8	48.1	88.1
0	0.0	0.0	0.0

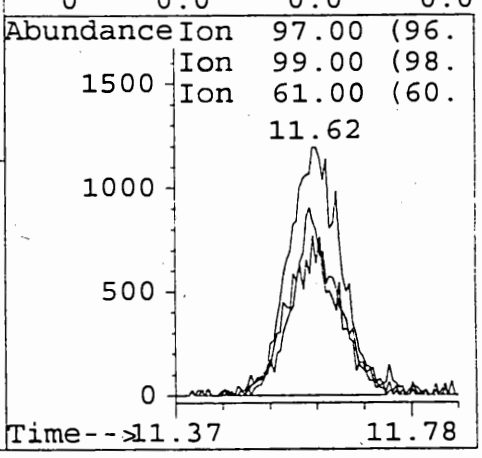




#22
1,1,1-Trichloroethane
Concen: 1.31 UG/L
RT: 11.62 min Scan# 1240
Delta R.T. -0.03 min
Lab File: P05476.D
Acq: 24 Jan 97 6:18 pm

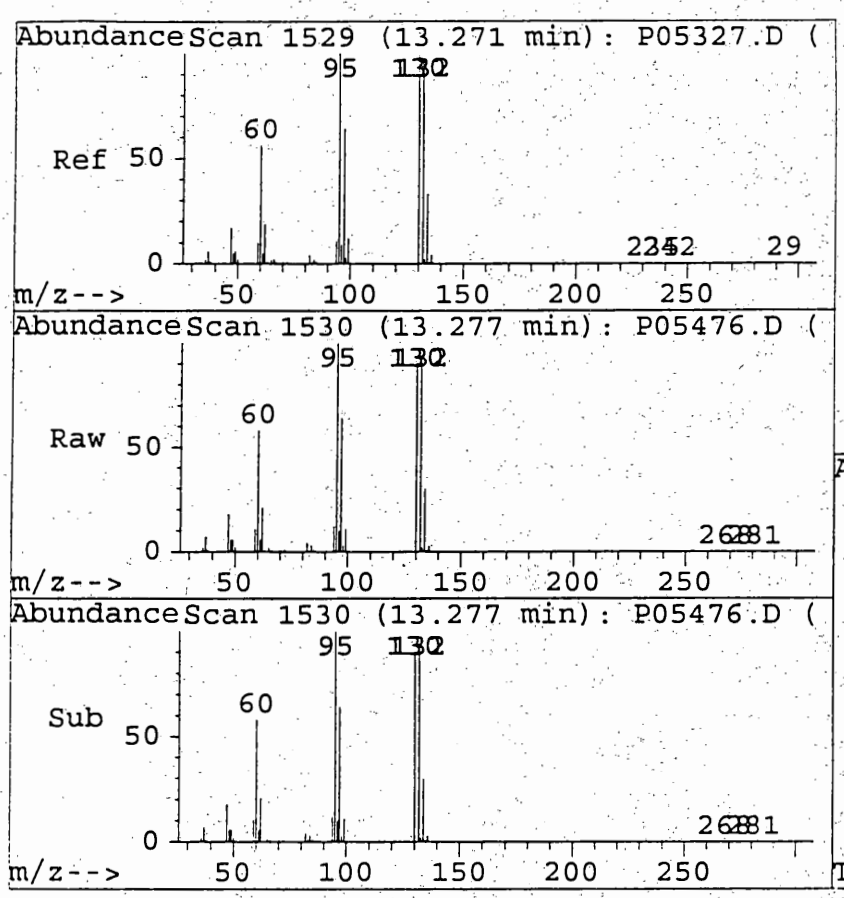
Tgt Ion:97 Resp: 7486

Ion	Ratio	Lower	Upper
97	100		
99	64.8	46.6	86.6
61	53.3	27.5	67.5
0	0.0	0.0	0.0



V 0032

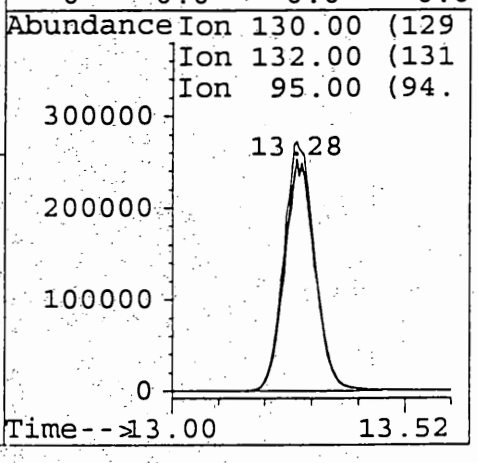
Sample Name: 9702025
Misc. Info: B60211 H5970-3 1/24/97 5.0G
P05476.D CLPS.M Wed Feb 12 15:47:28 1997 JON

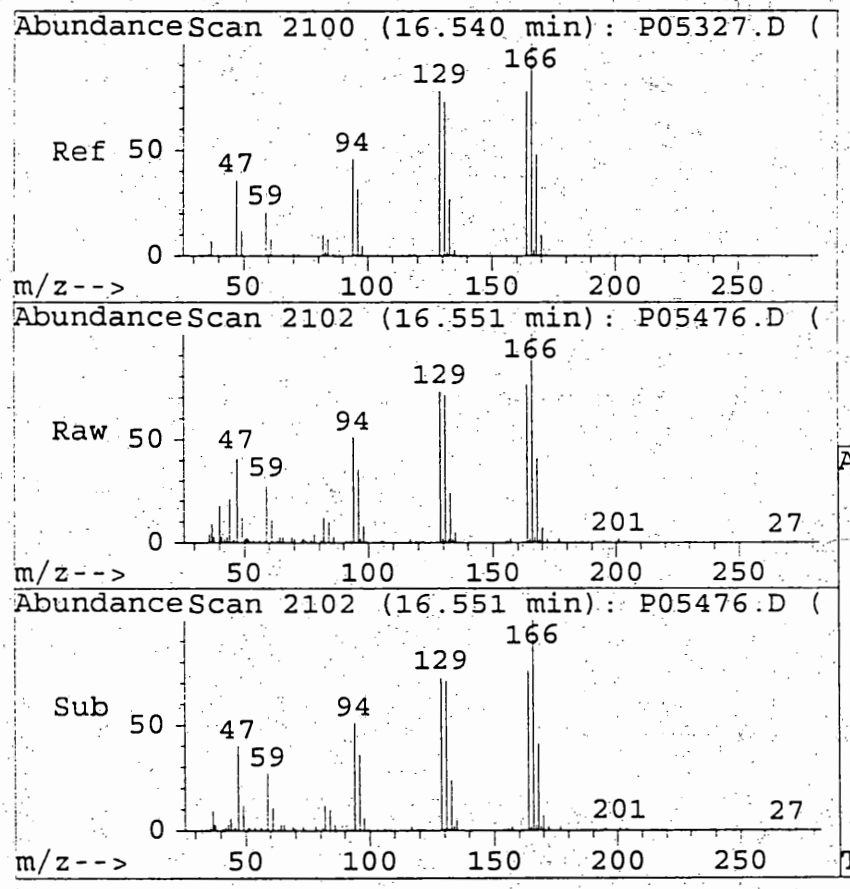


#24
Trichloroethene
Concen: 358.41 UG/L
RT: 13.28 min Scan# 1530
Delta R.T. -0.03 min
Lab File: P05476.D
Acq: 24 Jan 97 6:18 pm

Tgt Ion:130 Resp: 1201969

Ion	Ratio	Lower	Upper
130	100		
132	101.7	82.0	122.0
95	109.3	80.0	120.0
0	0.0	0.0	0.0

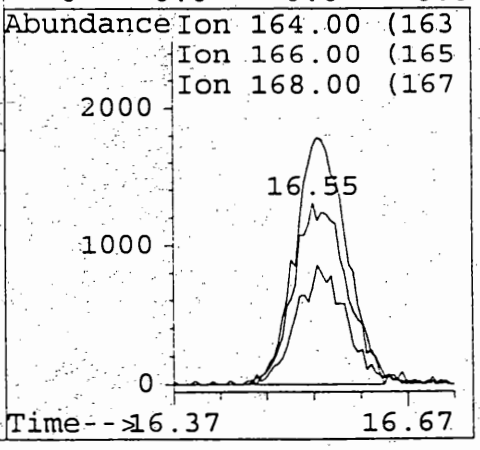




#37
Tetrachloroethene
Concen: 2.23 UG/L
RT: 16.55 min Scan# 2102
Delta R.T. -0.04 min
Lab File: P05476.D
Acq: 24 Jan 97 6:18 pm

Tgt Ion:164 Resp: 6158

Ion	Ratio	Lower	Upper
164	100		
166	131.5	109.5	149.5
168	54.4	42.4	82.4
0	0.0	0.0	0.0



V 0033

Sample Name: 9702025
Misc. Info: B60211 H5970-3 1/24/97 5.0G
P05476.D CLPS.M Wed Feb 12 15:47:33 1997 JON

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60211DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05486.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	27	U
74-83-9	Bromomethane	27	U
75-01-4	Vinyl Chloride	27	U
75-00-3	Chloroethane	27	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	9	JB
75-15-0	Carbon Disulfide	27	U
75-35-4	1,1-Dichloroethene	27	U
75-34-4	1,1-Dichloroethane	27	U
540-59-0	1,2-Dichloroethene (total)	27	U
67-66-3	Chloroform	27	U
107-06-2	1,2-Dichloroethane	27	U
78-93-3	2-Butanone	27	U
71-55-6	1,1,1-Trichloroethane	27	U
56-23-5	Carbon Tetrachloride	27	U
75-27-4	Bromodichloromethane	27	U
78-87-5	1,2-Dichloropropane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-01-6	Trichloroethene	42	
71-43-2	Benzene	27	U
124-48-1	Dibromochloromethane	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
75-25-2	Bromoform	27	U
108-10-1	4-Methyl-2-Pentanone	27	U
591-78-6	2-Hexanone	27	U
127-18-4	Tetrachloroethene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
108-88-3	Toluene	27	U
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
100-42-5	Styrene	27	U
1330-20-7	Xylene (total)	27	U

V 0034

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60211DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702025DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05486.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.5 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

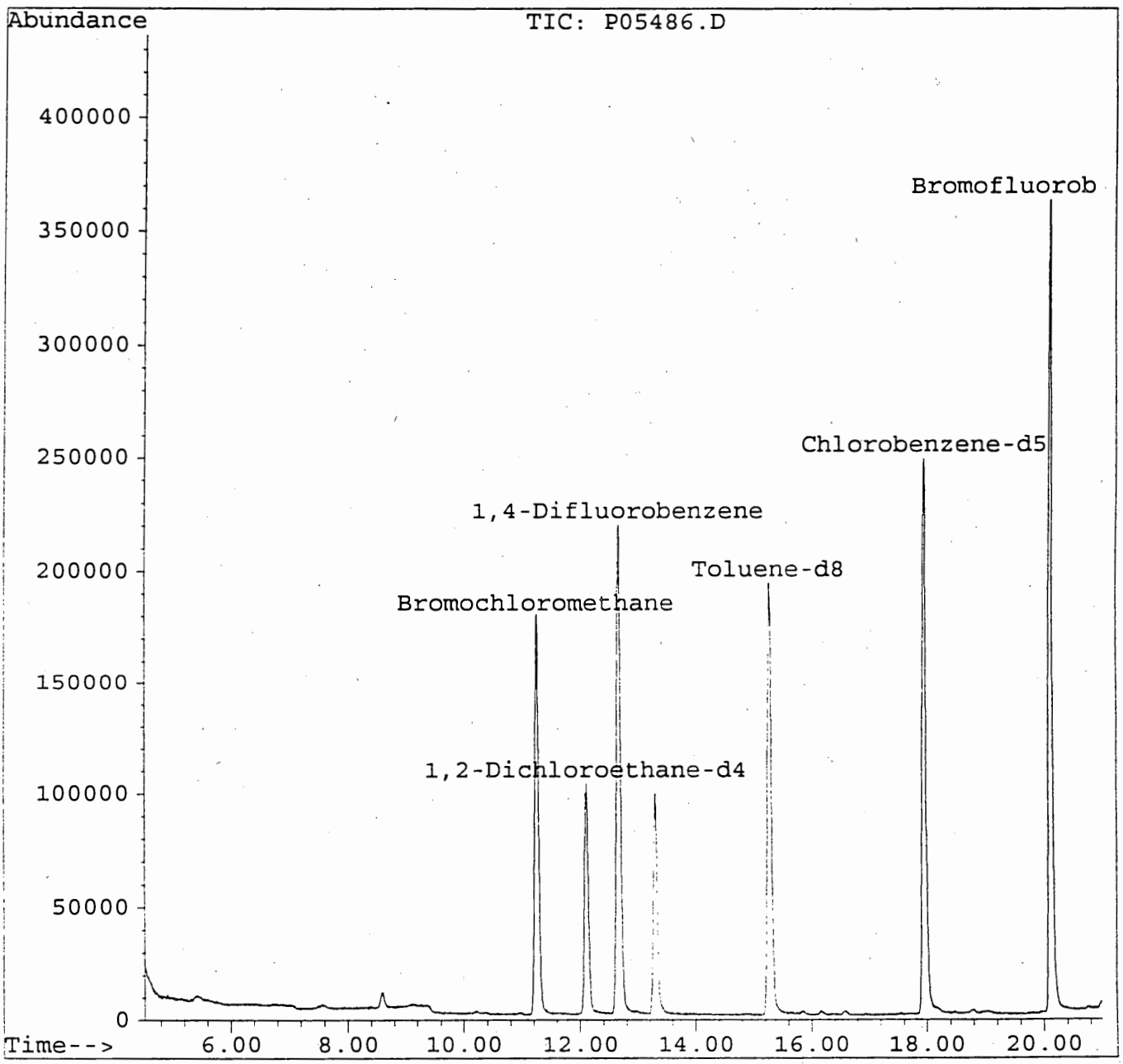
V 0035

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05486.D
Acq On : 27 Jan 97 4:44 pm
Sample : 9702025DL
Misc : B60211DL H5970-3 1/24/97 2.0G
Quant Time: Feb 11 17:34 1997

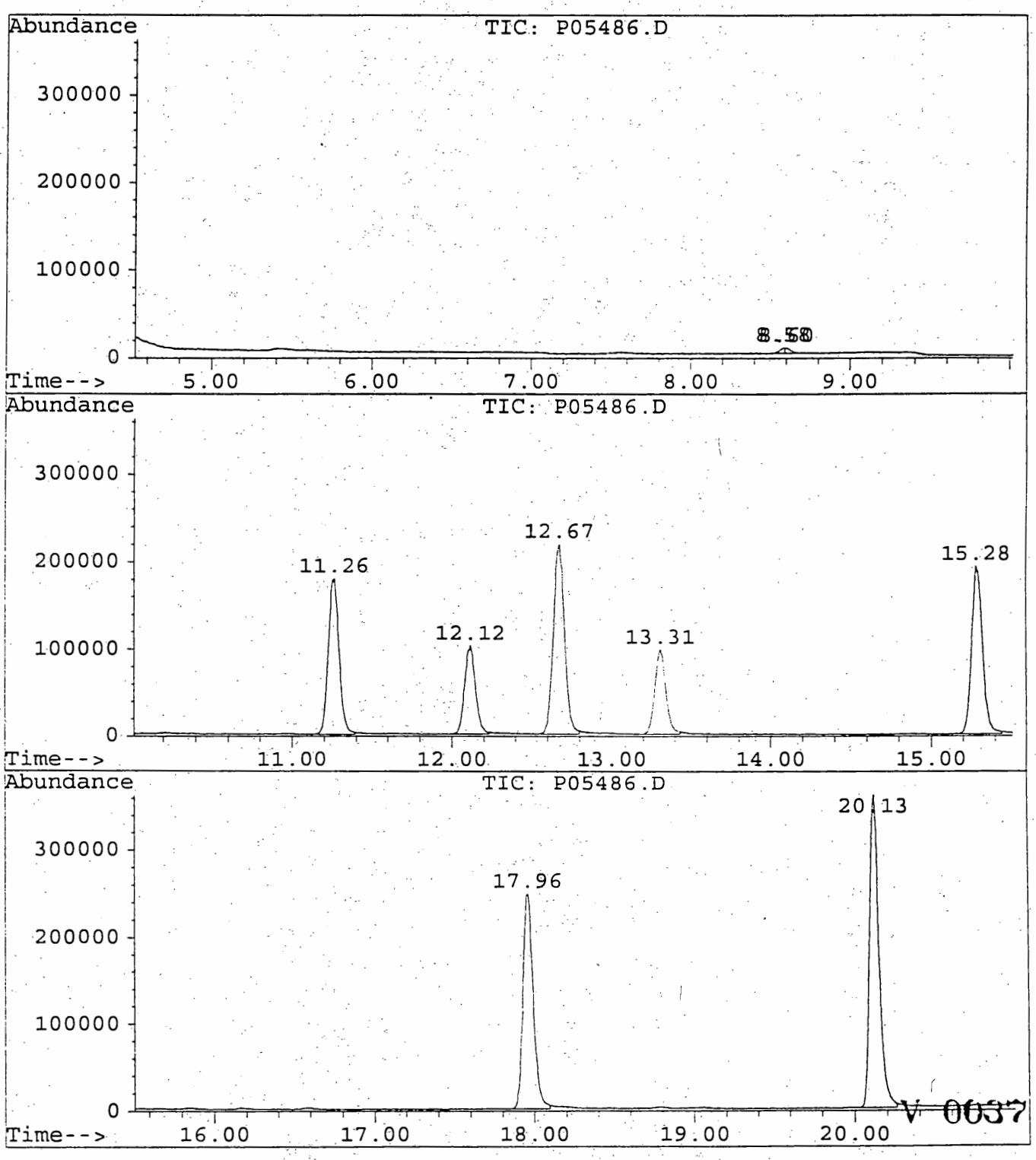
Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0036

File : S:\MS\HP#3\JAN97\P05486.D
Operator : GLENN
Acquired : 27 Jan 97 16:44 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702025DL
Misc Info : B60211DL H5970-3 1/24/97 2.0G
Vial Number: 3



V 0037

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05486.D Vial: 3
Acq On : 27 Jan 97 16:44 Operator: GLENN
Sample : 9702025DL Inst : 5970 - In
Misc : B60211DL H5970-3 1/24/97 2.0G Multiplr: 1.00
Quant Time: Feb 11 17:34 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 27 15:49:29 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05484.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	107352	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.67	114	384576	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.95	117	311003	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.12	65	175080	52.81	UG/L	105.63%
34) Toluene-d8	15.28	98	309866	48.49	UG/L	96.98%
43) Bromofluorobenzene	20.12	95	295579	49.49	UG/L	98.99%
Target Compounds						**Qvalue**
8) Acetone	7.58	43	3955	3.24	UG/L	79
9) Methylene Chloride	8.60	84	7097	1.93	UG/L	95
24) Trichloroethene	13.30	130	73117	15.79	UG/L	98

(#) = qualifier out of range (m) = manual integration

V 0038

Library Search Compound Report

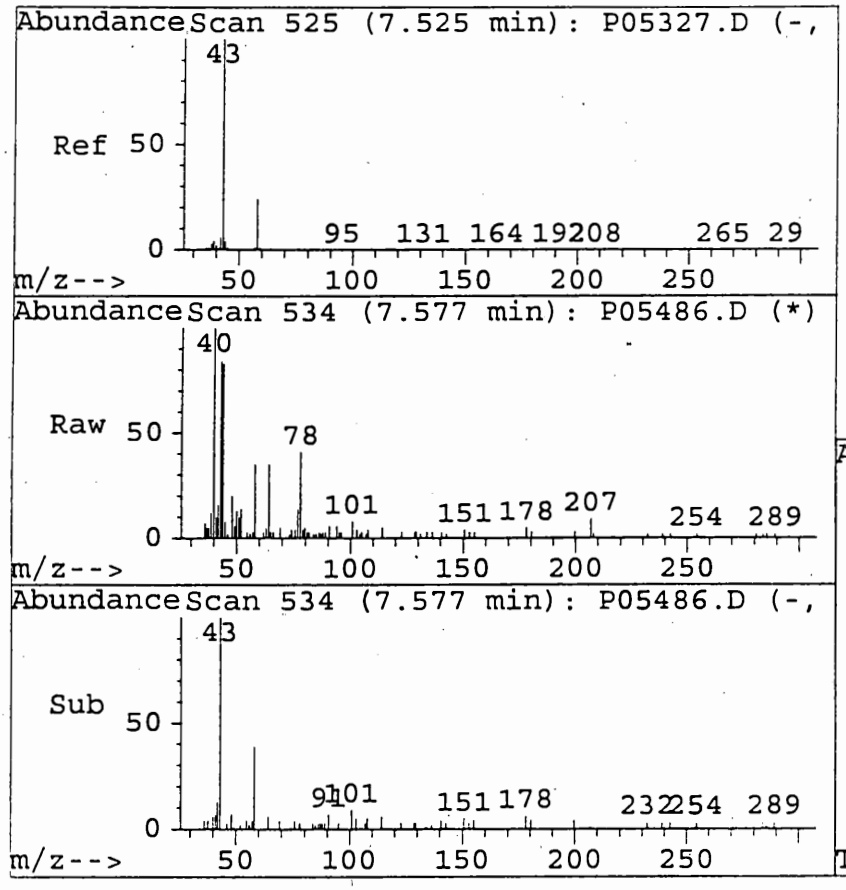
Data File : S:\MS\HP#3\JAN97\P05486.D
Acq On : 27 Jan 97 16:44
Sample : 9702025DL
Misc : B60211DL H5970-3 1/24/97 2.0G

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

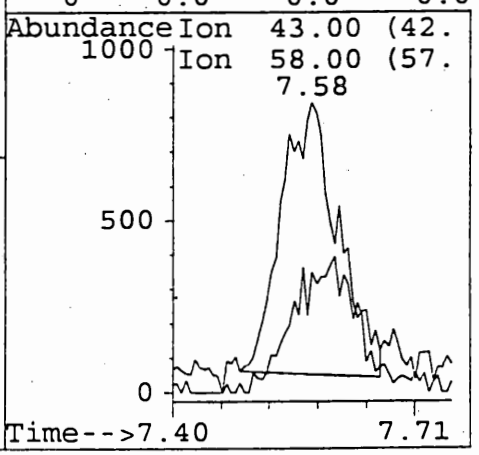
V 0039

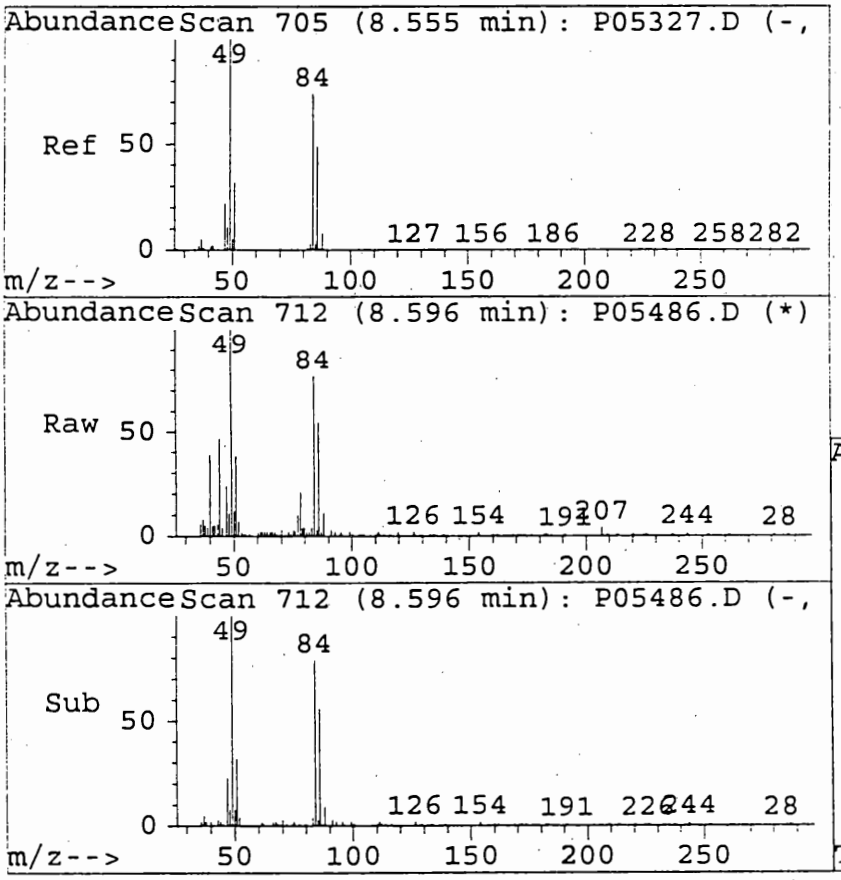


#8
Acetone
Concen: 3.24 UG/L
RT: 7.58 min Scan# 534
Delta R.T. 0.00 min
Lab File: P05486.D
Acq: 27 Jan 97 4:44 pm

Tgt Ion:43 Resp: 3955

Ion	Ratio	Lower	Upper
43	100		
58	40.9	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

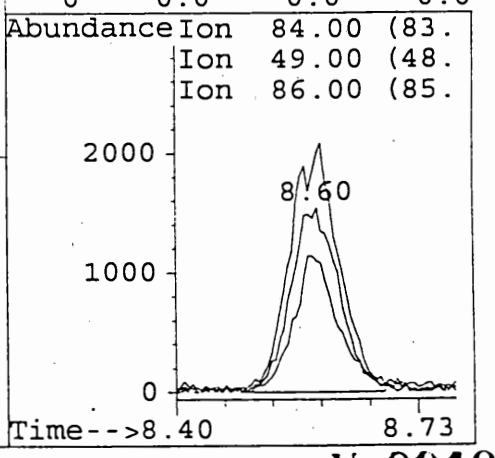




#9
Methylene Chloride
Concen: 1.93 UG/L
RT: 8.60 min Scan# 712
Delta R.T. 0.00 min
Lab File: P05486.D
Acq: 27 Jan 97 4:44 pm

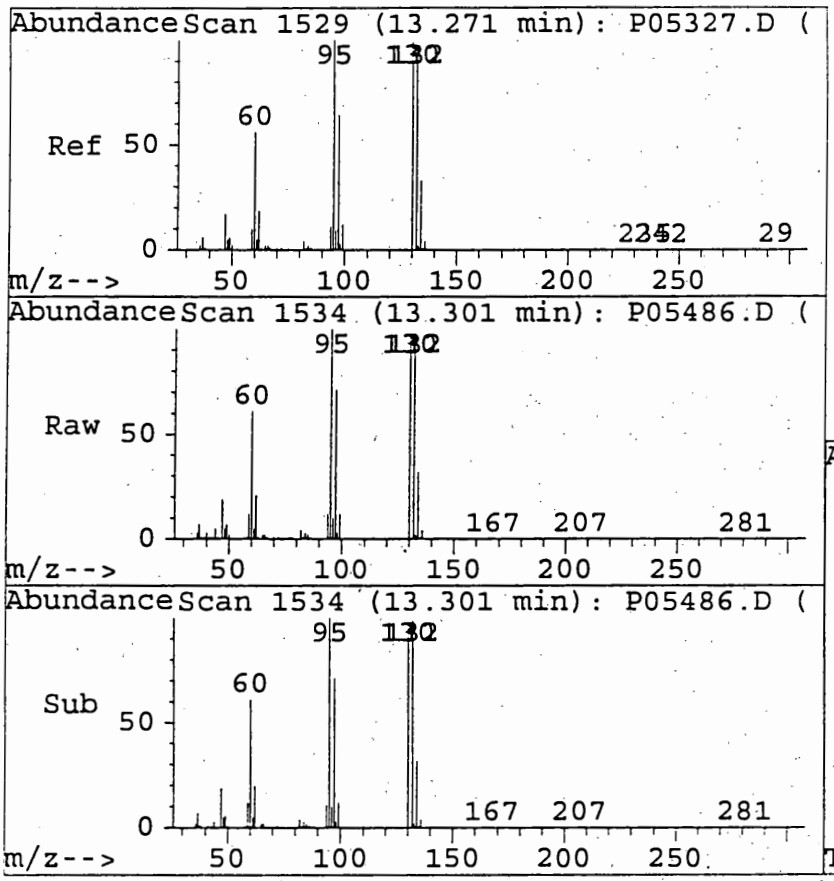
Tgt Ion:84 Resp: 7097

Ion	Ratio	Lower	Upper
84	100		
49	126.7	113.6	153.6
86	71.1	48.1	88.1
0	0.0	0.0	0.0



V 0040

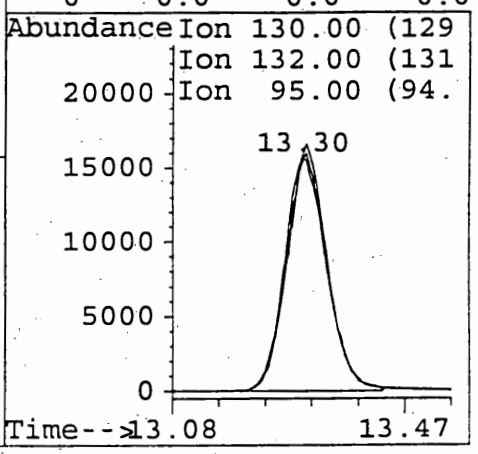
Sample Name: 9702025DL
Misc. Info: B60211DL H5970-3 1/24/97 2.0G
P05486.D CLPS.M Wed Feb 12 15:54:00 1997 JON



#24
Trichloroethene
Concen: 15.79 UG/L
RT: 13.30 min Scan# 1534
Delta R.T. 0.00 min
Lab File: P05486.D
Acq: 27 Jan 97 4:44 pm

Tgt Ion:130 Resp: 73117

Ion	Ratio	Lower	Upper
130	100		
132	100.5	82.0	122.0
95	102.1	80.0	120.0
0	0.0	0.0	0.0



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60212

A6SP-02 (10-12)

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05477.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60212

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702026

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05477.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 3.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

jmw H2M 2/23/97

Number TICs found: 0

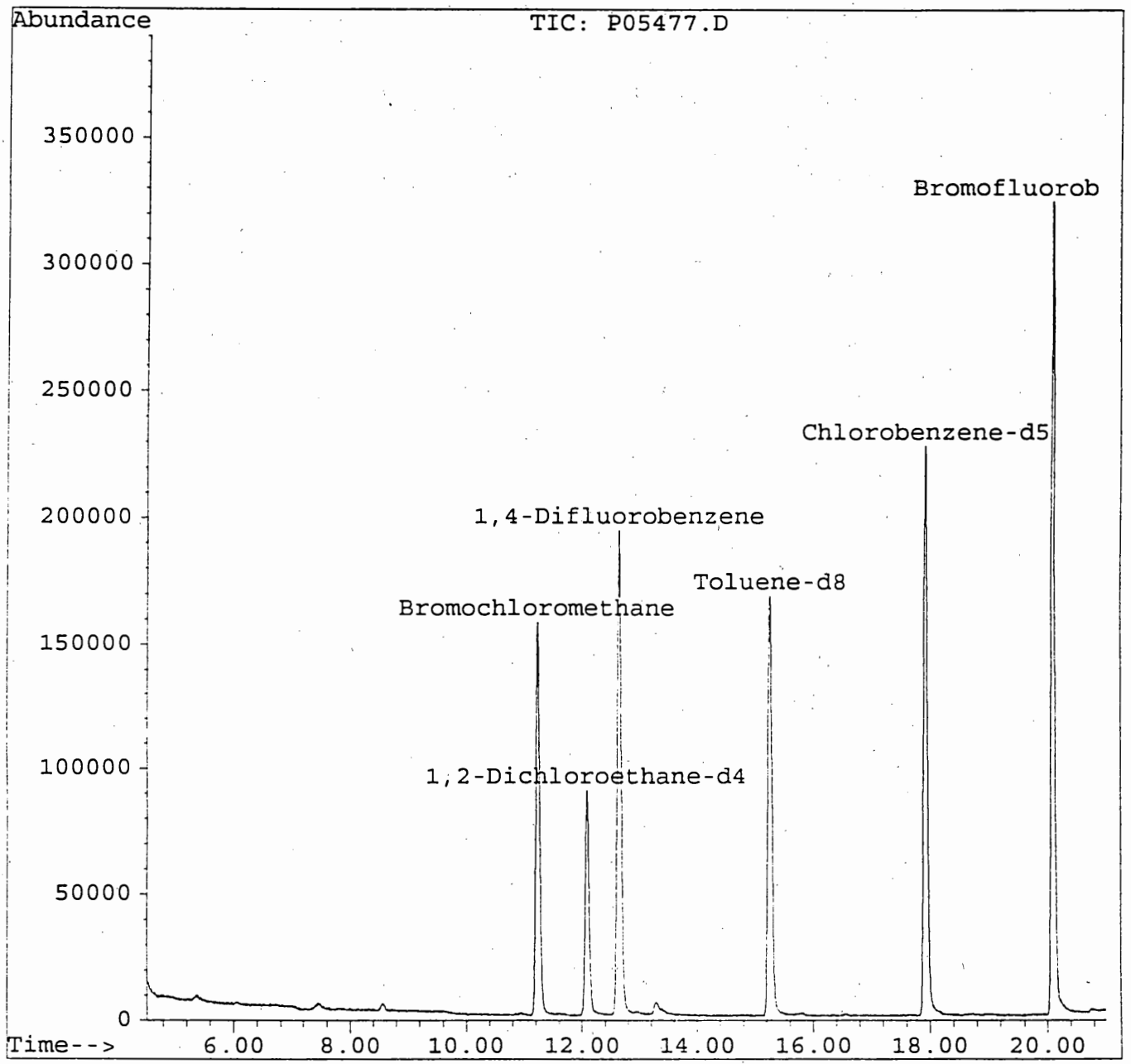
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05477.D
Acq On : 24 Jan 97 6:49 pm
Sample : 9702026
Misc : B60212 H5970-3 1/24/97 5.0G
Quant Time: Feb 11 16:24 1997

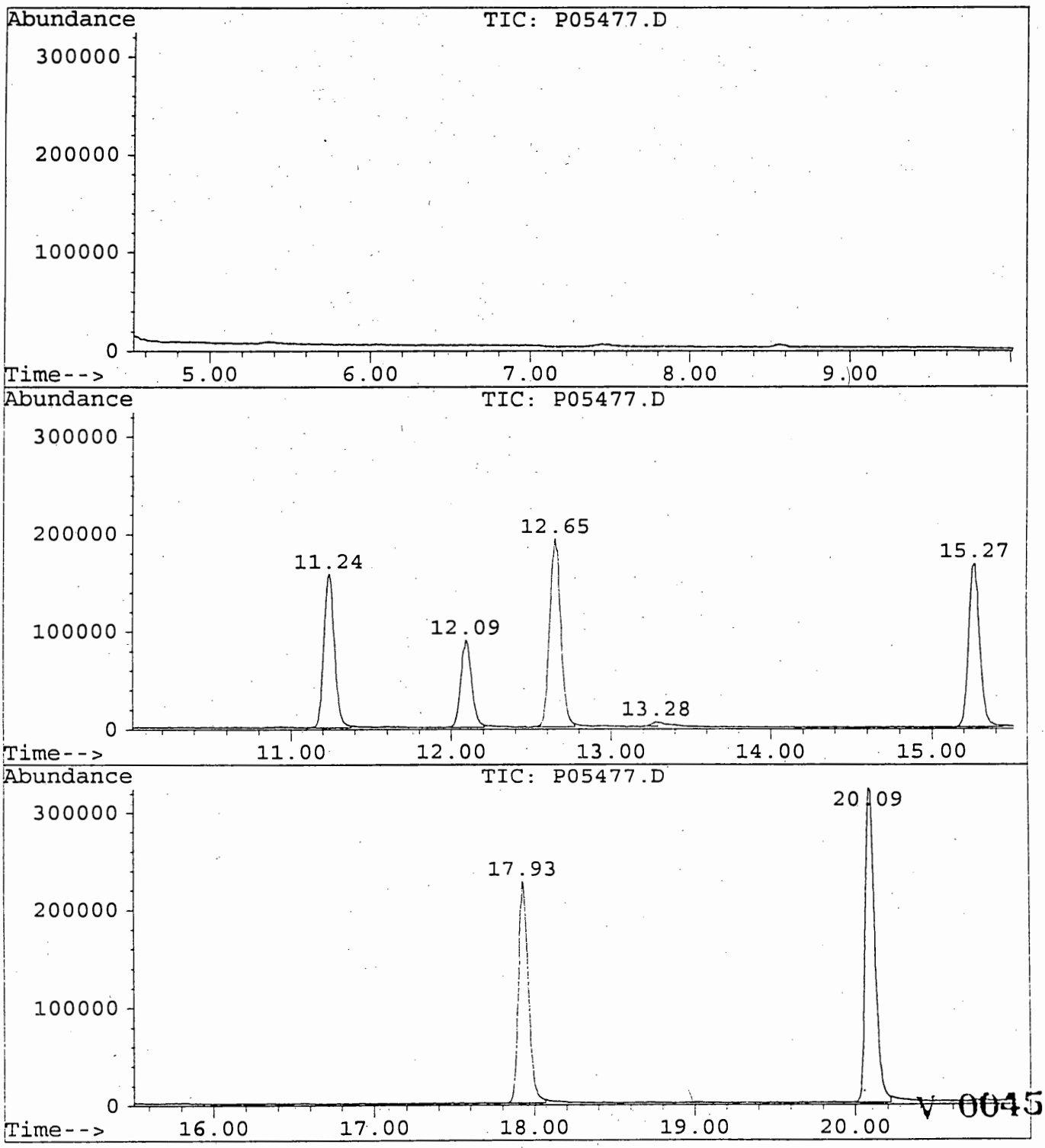
Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0044

File : S:\MS\HP#3\JAN97\P05477.D
Operator : GLENN
Acquired : 24 Jan 97 18:49 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702026
Misc Info : B60212 H5970-3 1/24/97 5.0G
Vial Number: 1



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05477.D Vial: 1
Acq On : 24 Jan 97 18:49 Operator: GLENN
Sample : 9702026 Inst : 5970 - In
Misc : B60212 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 11 16:24 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	95032	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.65	114	334315	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.93	117	271577	50.00	UG/L	-0.03
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.10	65	157921	55.15	UG/L	110.29%
34) Toluene-d8	15.27	98	274278	48.71	UG/L	97.41%
43) Bromofluorobenzene	20.09	95	261992	50.93	UG/L	101.87%

Target Compounds Qvalue

V 0046

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05477.D
Acq On : 24 Jan 97 18:49
Sample : 9702026
Misc : B60212 H5970-3 1/24/97 5.0G

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0047

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60213

A6SP-02 (15-17')

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05478.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	2	J
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60213

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702027

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05478.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.3 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

jmw H2M 2/23/97

Number TICs found: 0

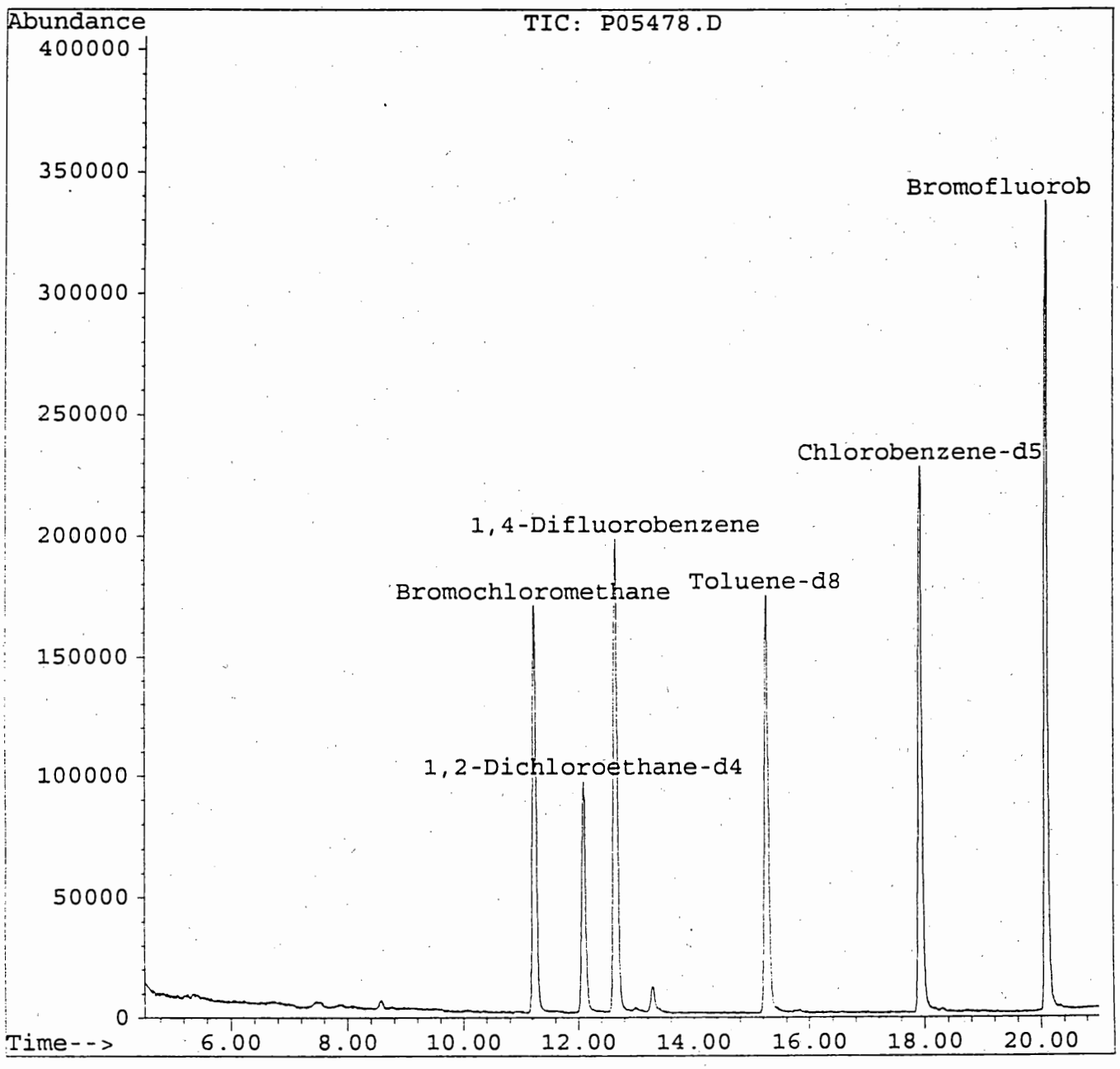
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05478.D
Acq On : 24 Jan 97 7:20 pm
Sample : 9702027
Misc : B60213 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 19:45 1997

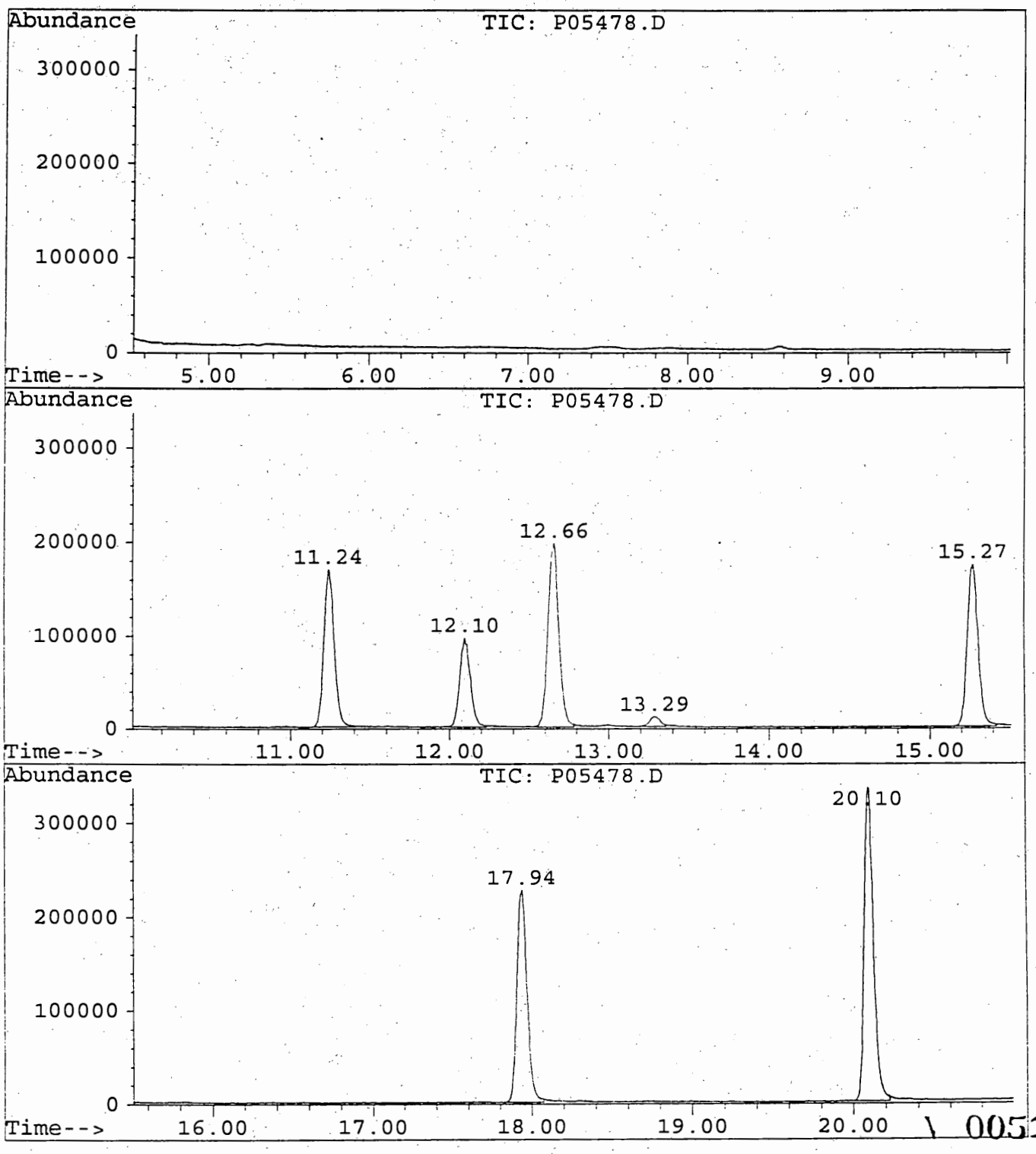
Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0050

File : S:\MS\HP#3\JAN97\P05478.D
Operator : GLENN
Acquired : 24 Jan 97 19:20 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702027
Misc Info : B60213 H5970-3 1/24/97 5.0G
Vial Number: 2



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05478.D Vial: 2
Acq On : 24 Jan 97 19:20 Operator: GLENN
Sample : 9702027 Inst : 5970 - In
Misc : B60213 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 19:45 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	100394	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.66	114	341648	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.94	117	278985	50.00	UG/L	-0.01
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.10	65	166389	55.00	UG/L	110.00%
34) Toluene-d8	15.27	98	278785	48.19	UG/L	96.38%
43) Bromofluorobenzene	20.11	95	269713	51.04	UG/L	102.08%
Target Compounds						Qvalue
8) Acetone	7.55	43	4827	4.44	UG/L	98
24) Trichloroethene	13.29	130	8001	1.87	UG/L	91

(#) = qualifier out of range (m) = manual integration

V 0052

Library Search Compound Report

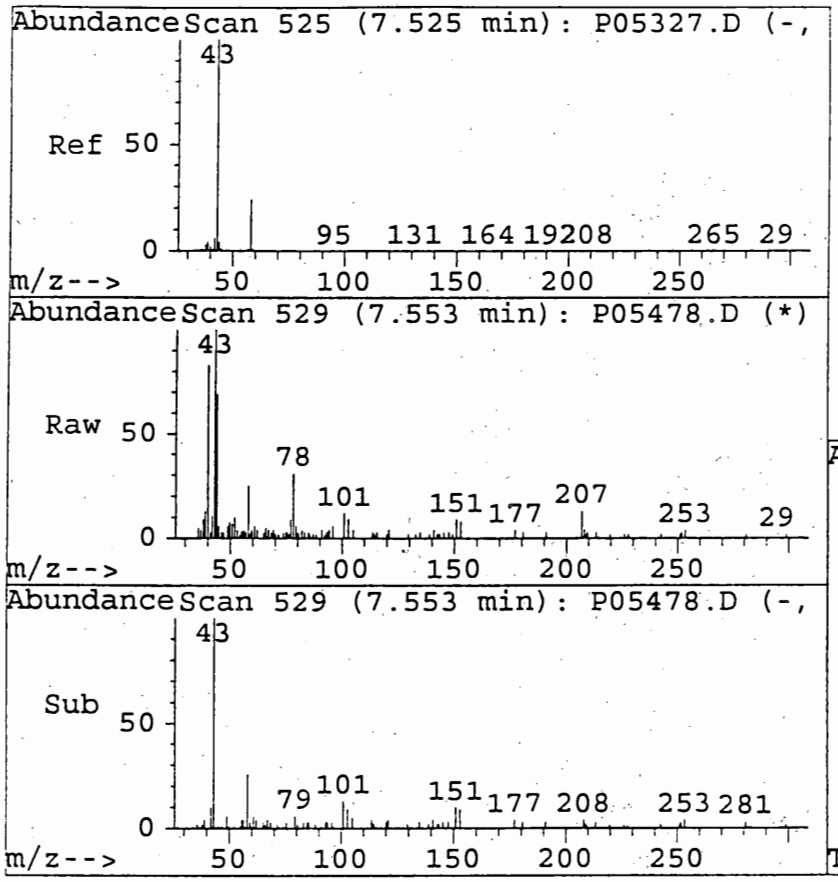
Data File : S:\MS\HP#3\JAN97\P05478.D
Acq On : 24 Jan 97 19:20
Sample : 9702027
Misc : B60213 H5970-3 1/24/97 5.0G

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

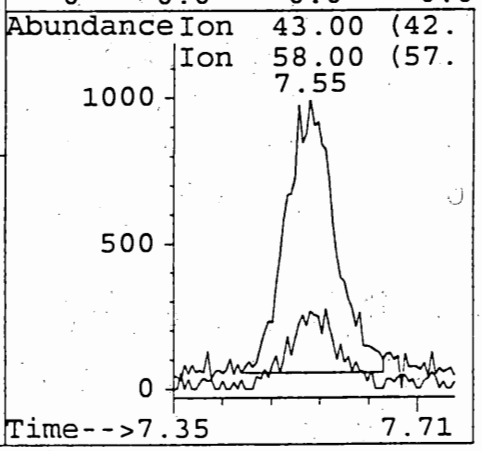
V 0053

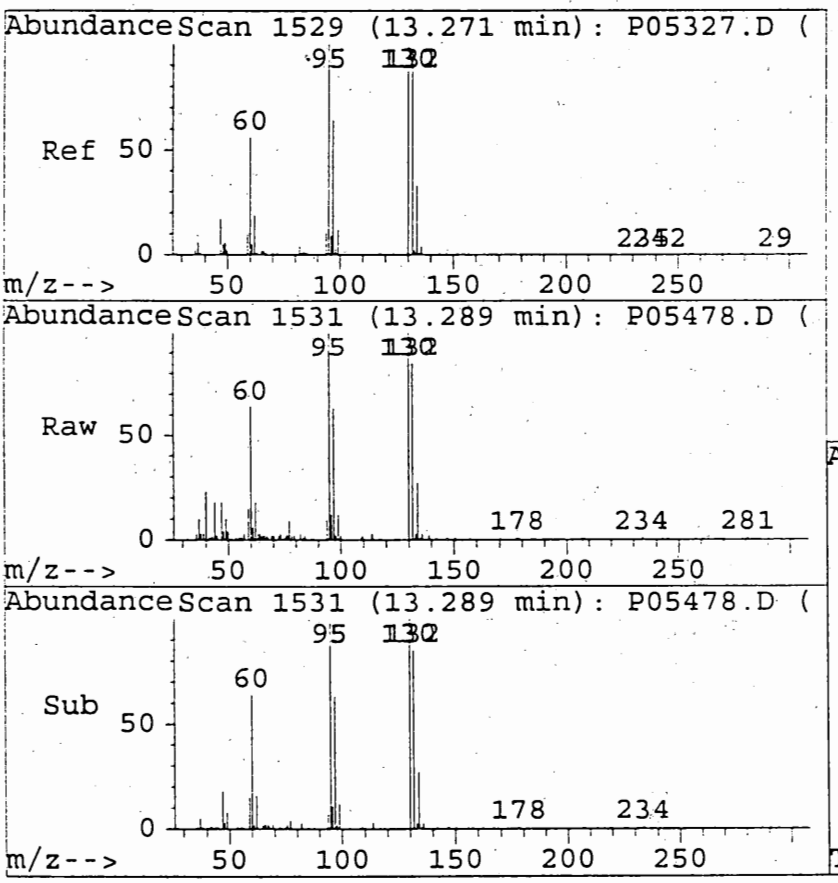


#8
Acetone
Concen: 4.44 UG/L
RT: 7.55 min Scan# 529
Delta R.T. -0.04 min
Lab File: P05478.D
Acq: 24 Jan 97 7:20 pm

Tgt Ion:43 Resp: 4827

Ion	Ratio	Lower	Upper
43	100		
58	28.5	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

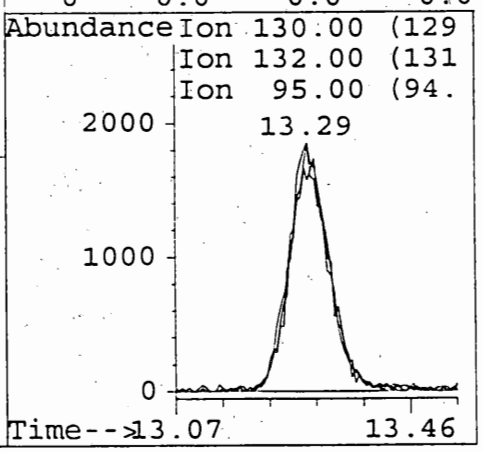




#24
Trichloroethene
Concen: 1.87 UG/L
RT: 13.29 min Scan# 1531
Delta R.T. -0.02 min
Lab File: P05478.D
Acq: 24 Jan 97 7:20 pm

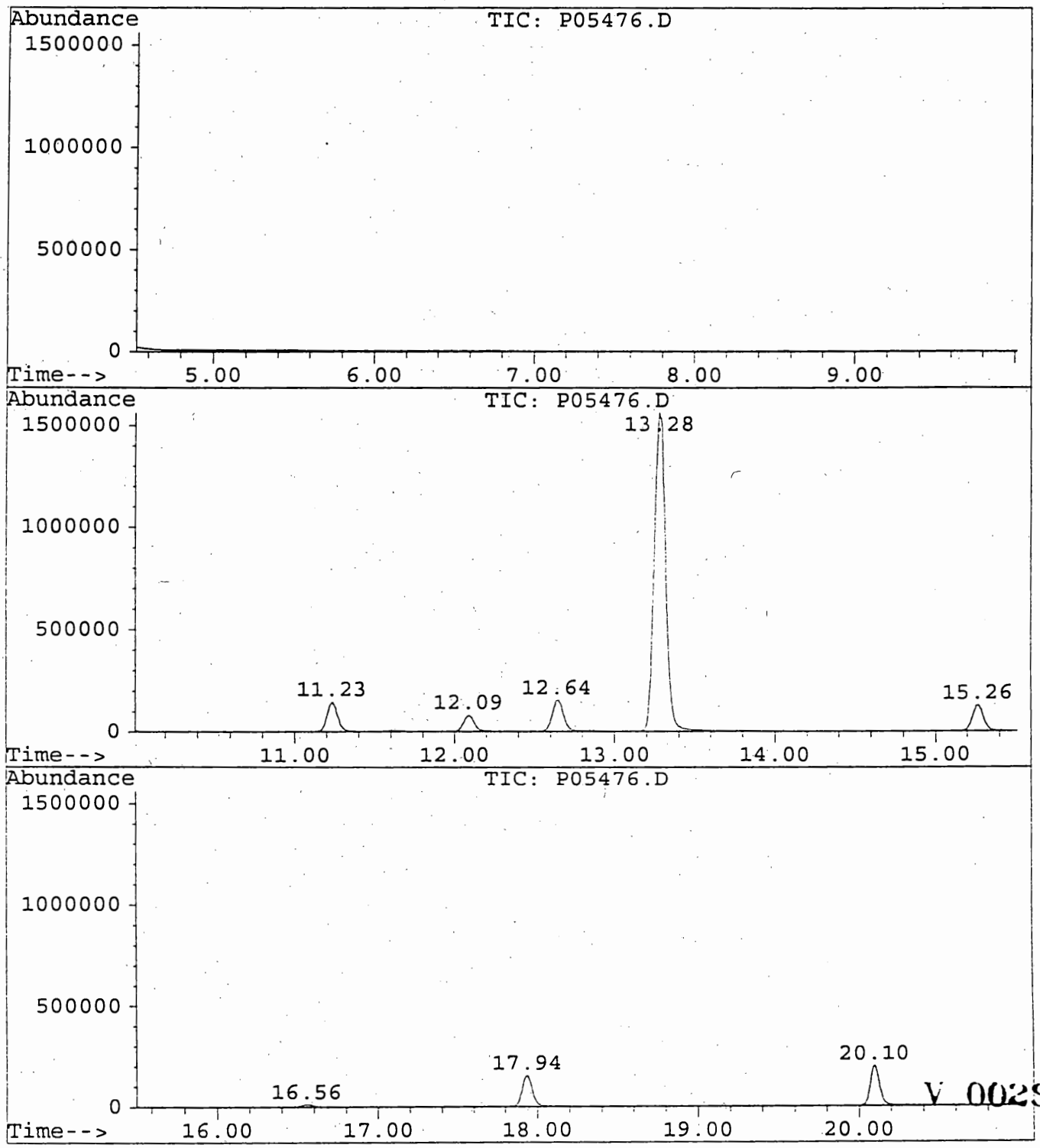
Tgt Ion:130 Resp: 8001

Ion	Ratio	Lower	Upper
130	100		
132	85.0	82.0	122.0
95	99.9	80.0	120.0
0	0.0	0.0	0.0



Sample Name: 9702027
Misc. Info: B60213 H5970-3 1/24/97 5.0G
P05478.D CLPS.M Wed Feb 12 15:49:12 1997 JON

File : S:\MS\HP#3\JAN97\P05476.D
Operator : GLENN
Acquired : 24 Jan 97 18:18 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702025
Misc Info : B60211 H5970-3 1/24/97 5.0G
Vial Number: 16



V 0029

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05476.D Vial: 16
Acq On : 24 Jan 97 18:18 Operator: GLENN
Sample : 9702025 Inst : 5970 - In
Misc : B60211 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 18:43 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	85132	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.65	114	268090	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.94	117	188631	50.00	UG/L	-0.02
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.09	65	139751	54.48	UG/L	108.95%
34) Toluene-d8	15.26	98	201668	51.56	UG/L	103.12%
43) Bromofluorobenzene	20.10	95	157701	44.14	UG/L	88.28%
Target Compounds						**Qvalue**
9) Methylene Chloride	8.57	84	3818	1.24	UG/L	97
22) 1,1,1-Trichloroethane	11.62	97	7486	1.31	UG/L	95
24) Trichloroethene	13.28	130	1201969	358.41	UG/L	95
37) Tetrachloroethene	16.55	164	6158	2.23	UG/L	95

V 0030

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05476.D
Acq On : 24 Jan 97 18:18
Sample : 9702025
Misc : B60211 H5970-3 1/24/97 5.0G

Vial: 16
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

0031

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60215DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

AGSP-02 (20-22')

Matrix: (soil/water) SOIL Lab Sample ID: 9702029DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05487.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.8 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	27	U
74-83-9	Bromomethane	27	U
75-01-4	Vinyl Chloride	27	U
75-00-3	Chloroethane	27	U
75-09-2	Methylene Chloride	5	JB
67-64-1	Acetone	430	B
75-15-0	Carbon Disulfide	27	U
75-35-4	1,1-Dichloroethene	27	U
75-34-4	1,1-Dichloroethane	27	U
540-59-0	1,2-Dichloroethene (total)	27	U
67-66-3	Chloroform	27	U
107-06-2	1,2-Dichloroethane	27	U
78-93-3	2-Butanone	27	U
71-55-6	1,1,1-Trichloroethane	27	U
56-23-5	Carbon Tetrachloride	27	U
75-27-4	Bromodichloromethane	27	U
78-87-5	1,2-Dichloropropane	27	U
10061-01-5	cis-1,3-Dichloropropene	27	U
79-01-6	Trichloroethene	29	
71-43-2	Benzene	27	U
124-48-1	Dibromochloromethane	27	U
10061-02-6	trans-1,3-Dichloropropene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
75-25-2	Bromoform	27	U
108-10-1	4-Methyl-2-Pentanone	27	U
591-78-6	2-Hexanone	27	U
127-18-4	Tetrachloroethene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	27	U
100-41-4	Ethylbenzene	27	U
100-42-5	Styrene	27	U
1330-20-7	Xylene (total)	27	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60215DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029DL

Sample wt/vol: 2.0 (g/ml) G Lab File ID: P05487.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 6.8 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

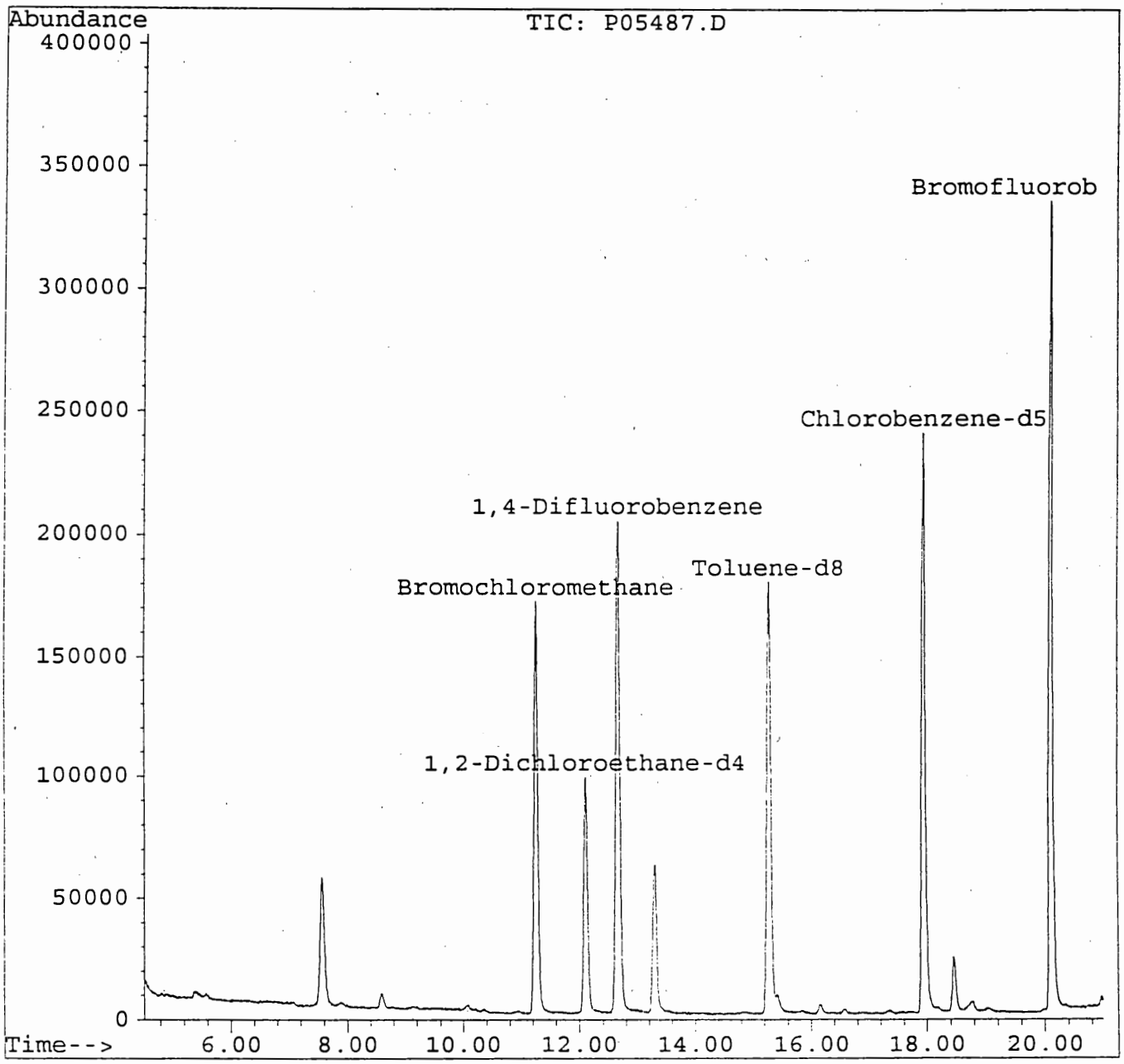
CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000110-43-0	2-Heptanone	18.46	13	JN

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05487.D
Acq On : 27 Jan 97 5:15 pm
Sample : 9702029DL
Misc : B60215DL H5970-3 1/24/97 2.0G
Quant Time: Jan 27 17:40 1997

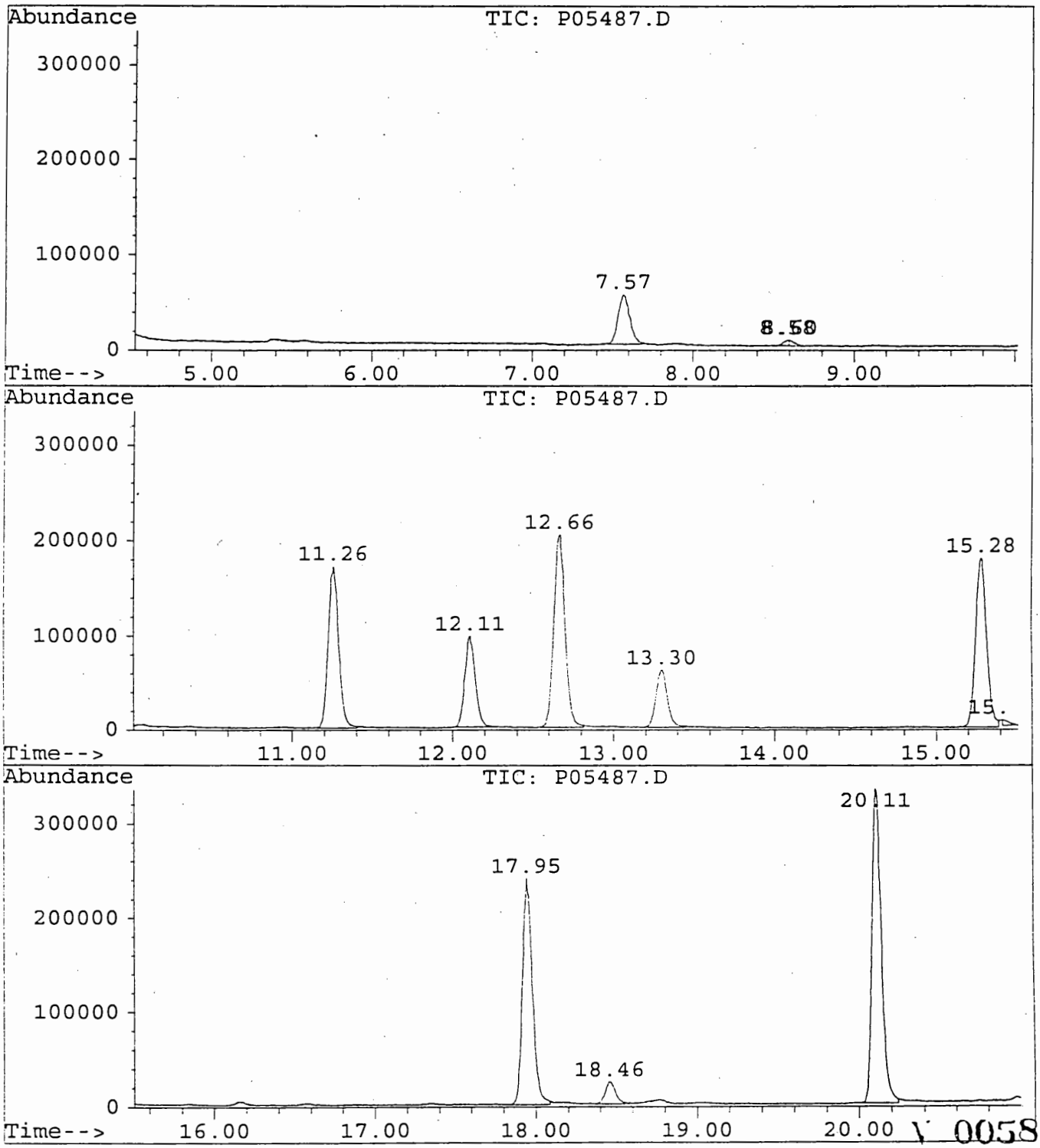
Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0057

File : S:\MS\HP#3\JAN97\P05487.D
Operator : GLENN
Acquired : 27 Jan 97 17:15 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702029DL
Misc Info : B60215DL H5970-3 1/24/97 2.0G
Vial Number: 4



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05487.D Vial: 4
Acq On : 27 Jan 97 17:15 Operator: GLENN
Sample : 9702029DL Inst : 5970 - In
Misc : B60215DL H5970-3 1/24/97 2.0G Multiplr: 1.00
Quant Time: Jan 27 17:40 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 27 15:49:29 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05484.D

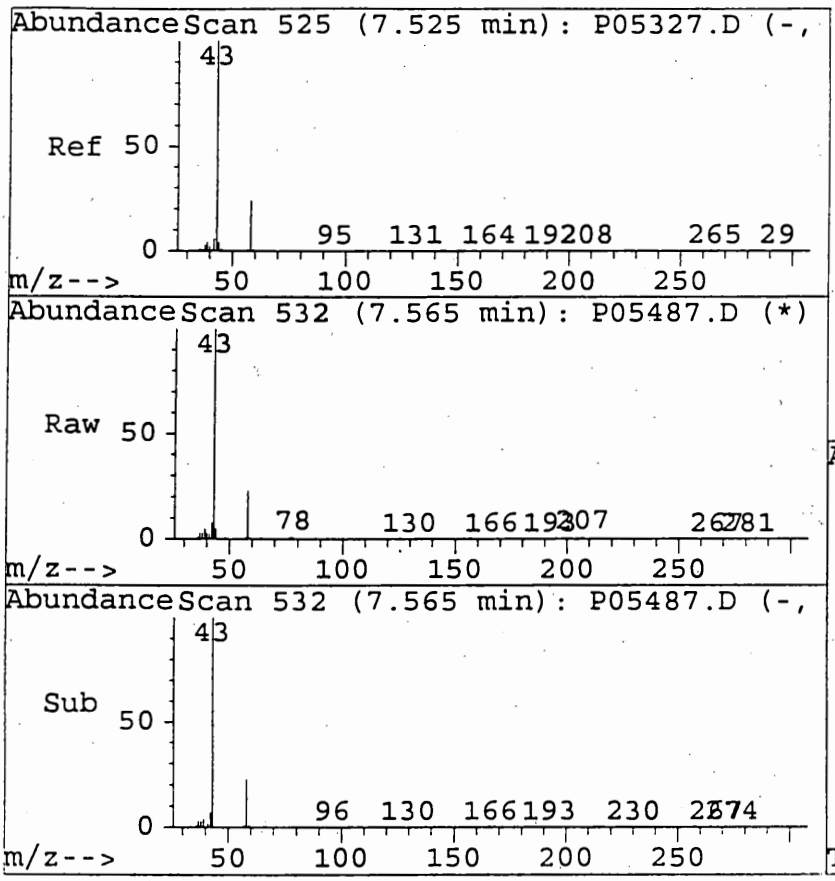
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.26	128	99827	50.00	UG/L		0.00
21) 1,4-Difluorobenzene	12.67	114	354212	50.00	UG/L		0.00
33) Chlorobenzene-d5	17.95	117	283989	50.00	UG/L		0.00
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	12.11	65	166126	53.89	UG/L		107.78%
34) Toluene-d8	15.29	98	289407	49.60	UG/L		99.20%
43) Bromofluorobenzene	20.12	95	270534	49.61	UG/L		99.22%
Target Compounds							**Qvalue**
8) Acetone	7.57	43	182282	160.44	UG/L		87
9) Methylene Chloride	8.60	84	6697	1.96	UG/L	#	85
24) Trichloroethene	13.30	130	46287	10.86	UG/L		97
36) Toluene	15.42	91	9342	1.24	UG/L		97

(#) = qualifier out of range (m) = manual integration

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 27 Jan 97 17:15
Data File: S:\MS\HP#3\JAN97\P05487.D
Name: 9702029DL
Misc: B60215DL H5970-3 1/24/97 2.0G
Method: CLPS
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

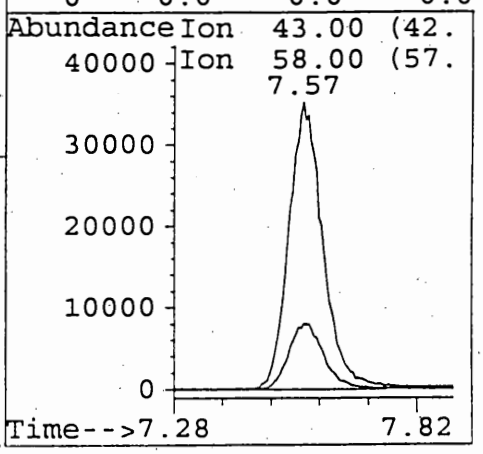
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Heptanone	18.46	5.0	UG/L	102857	ISTD03	17.95	1022013	50.0

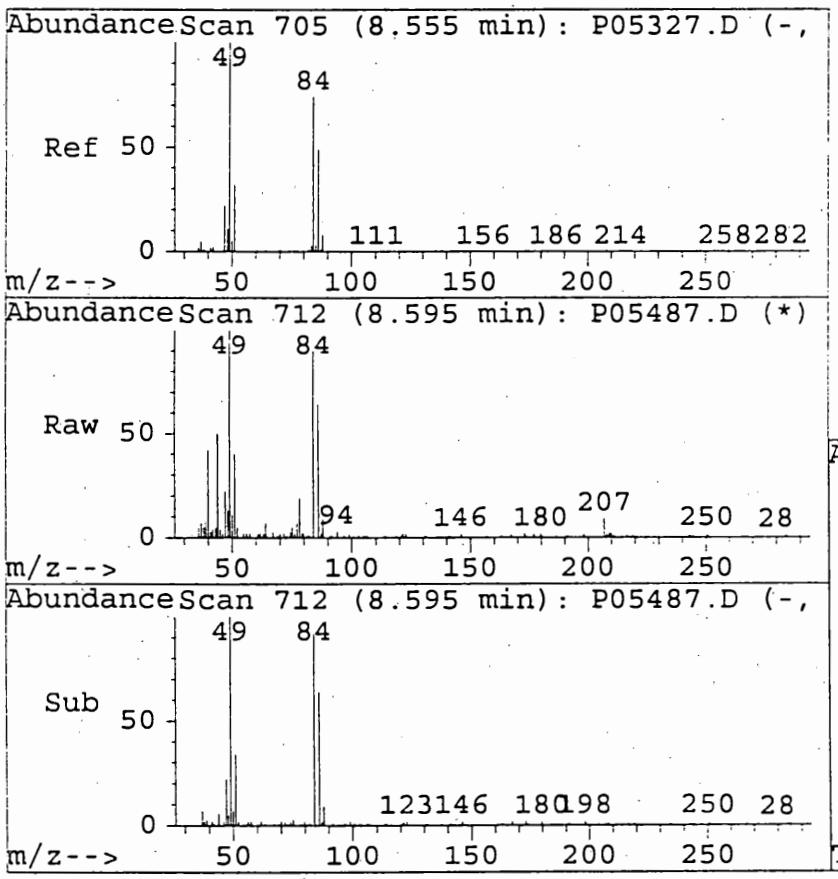


#8
Acetone
Concen: 160.44 UG/L
RT: 7.57 min Scan# 532
Delta R.T. -0.01 min
Lab File: P05487.D
Acq: 27 Jan 97 5:15 pm

Tgt Ion:43 Resp: 182282

Ion	Ratio	Lower	Upper
43	100		
58	22.7	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

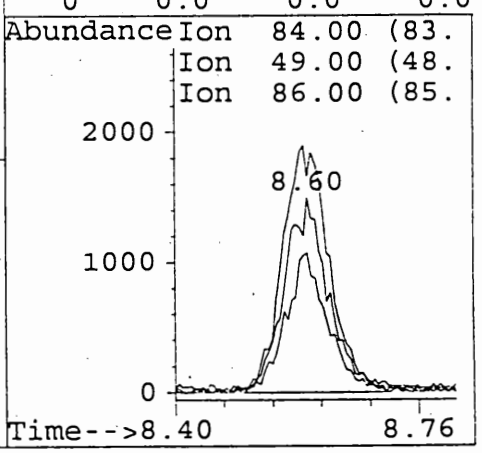


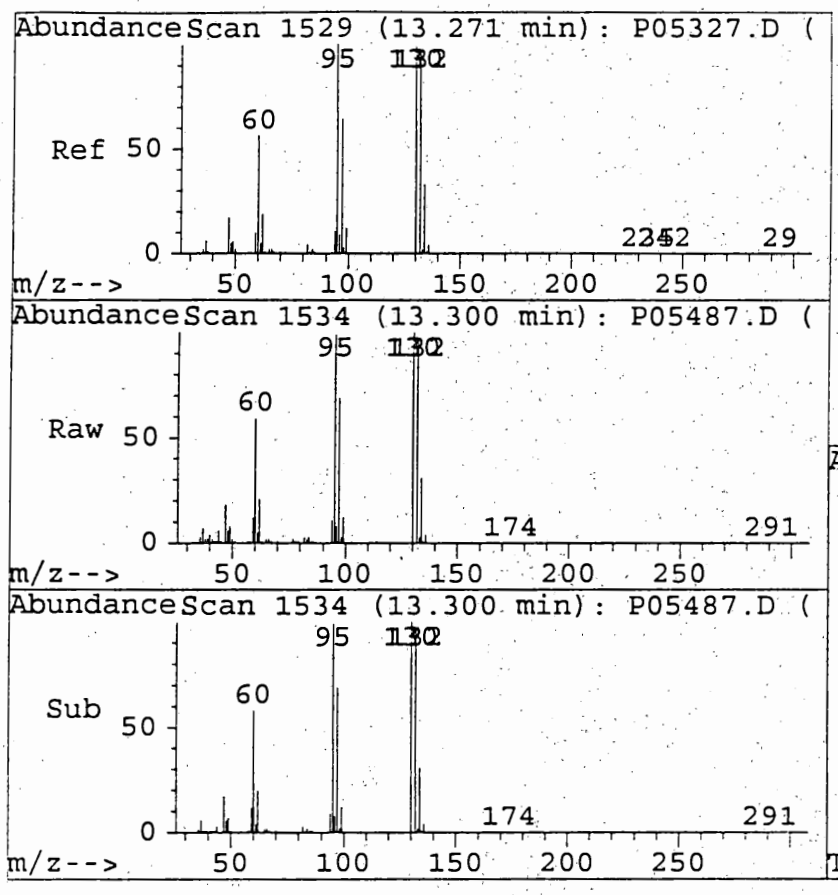


#9
Methylene Chloride
Concen: 1.96 UG/L
RT: 8.60 min Scan# 712
Delta R.T. 0.00 min
Lab File: P05487.D
Acq: 27 Jan 97 5:15 pm

Tgt Ion:84 Resp: 6697

Ion	Ratio	Lower	Upper
84	100		
49	109.5	113.6	153.6#
86	71.6	48.1	88.1
0	0.0	0.0	0.0

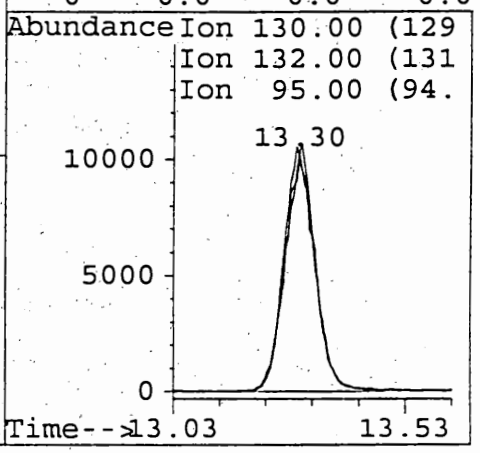


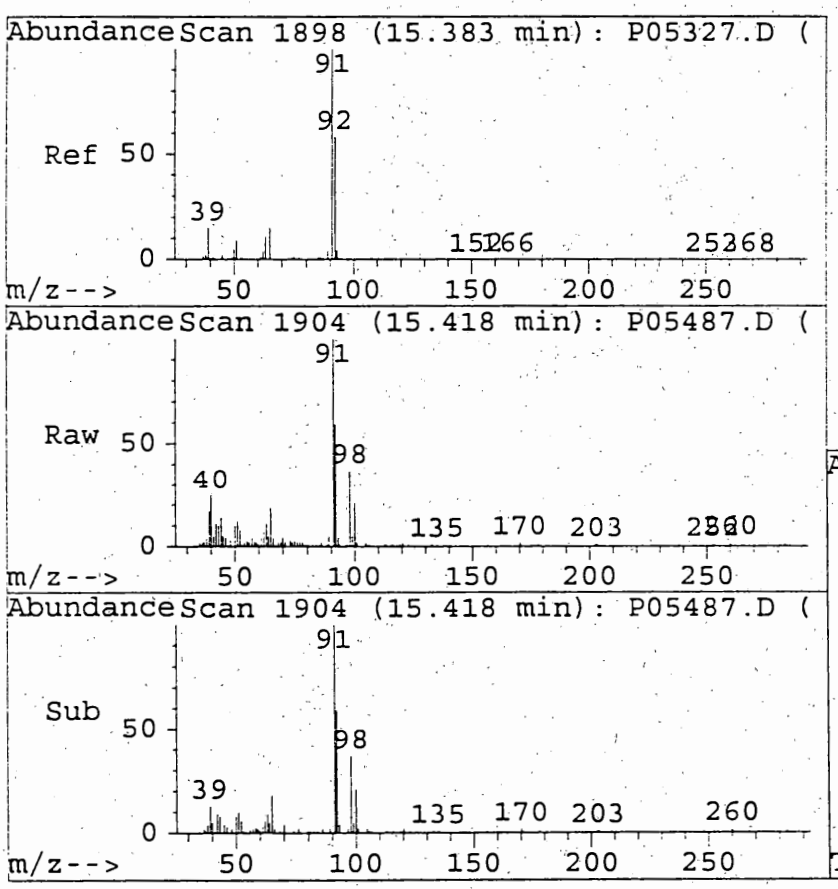


#24
Trichloroethene
Concen: 10.86 UG/L
RT: 13.30 min Scan# 1534
Delta R.T. 0.00 min
Lab File: P05487.D
Acq: 27 Jan 97 5:15 pm

Tgt Ion:130 Resp: 46287

Ion	Ratio	Lower	Upper
130	100		
132	96.9	82.0	122.0
95	99.0	80.0	120.0
0	0.0	0.0	0.0

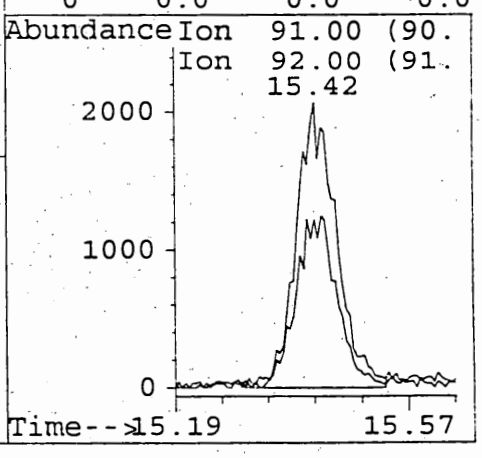




#36
Toluene
Concen: 1.24 UG/L
RT: 15.42 min Scan# 1904
Delta R.T. -0.01 min
Lab File: P05487.D
Acq: 27 Jan 97 5:15 pm

Tgt Ion:91 Resp: 9342

Ion	Ratio	Lower	Upper
91	100		
92	57.9	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702029DL
Misc. Info: B60215DL H5970-3 1/24/97 2.0G
P05487.D CLPS.M Wed Feb 12 15:55:14 1997 JON

Library Search Compound Report

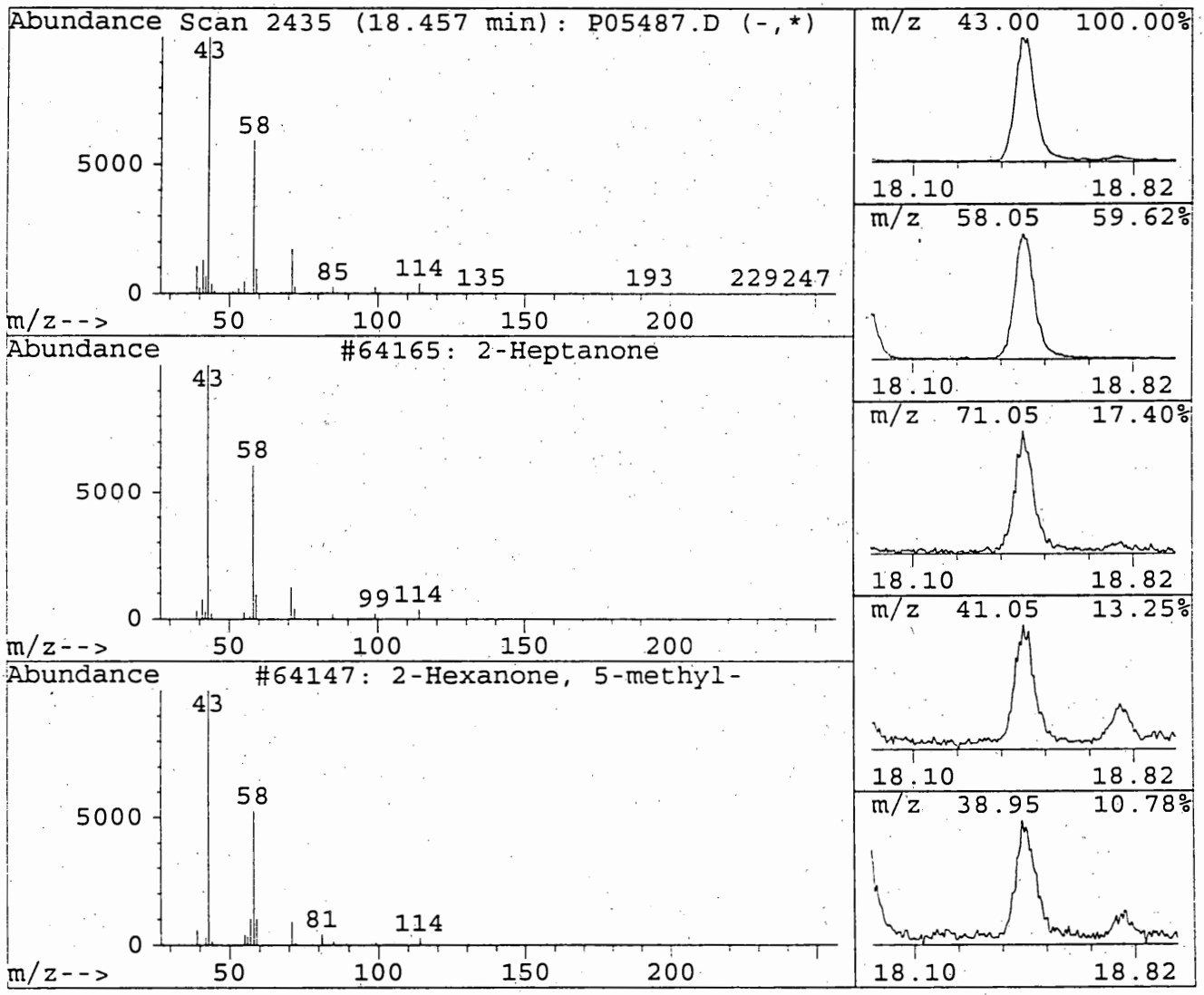
Data File : S:\MS\HP#3\JAN97\P05487.D
Acq On : 27 Jan 97 17:15
Sample : 9702029DL
Misc : B60215DL H5970-3 1/24/97 2.0G

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.46	5.03 UG/L	102857	Chlorobenzene-d5	17.95

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	90



V 0063

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60215

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05479.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 12.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

AGSP-02 (20-22)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	410	E
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	8	J
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	110	
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	2	J
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

V 0064

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60215

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702029

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05479.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 12.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000110-43-0	2-Heptanone	18.43	15	JN

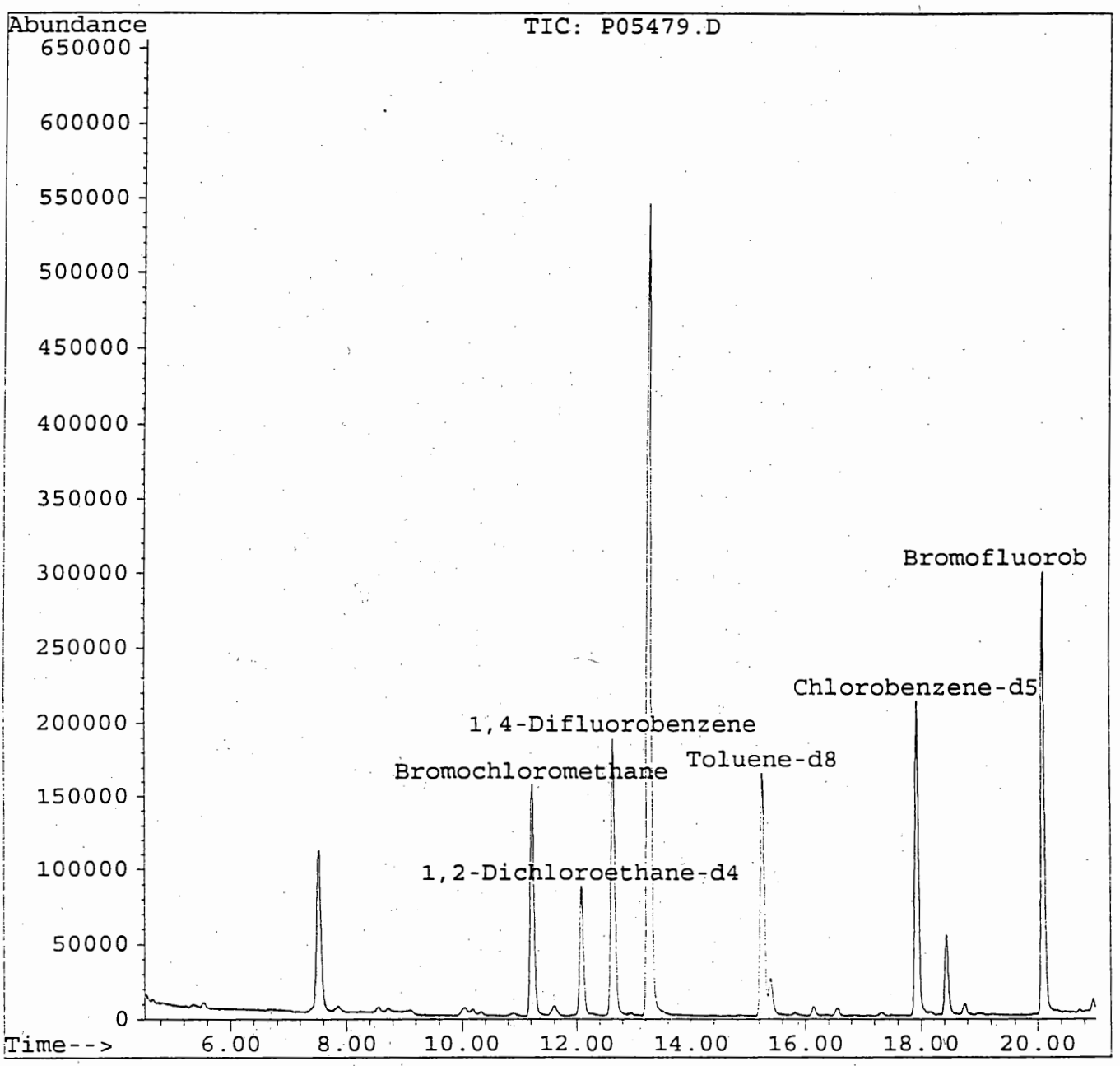
V 0065

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05479.D
Acq On : 24 Jan 97 7:50 pm
Sample : 9702029
Misc : B60215 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 20:16 1997

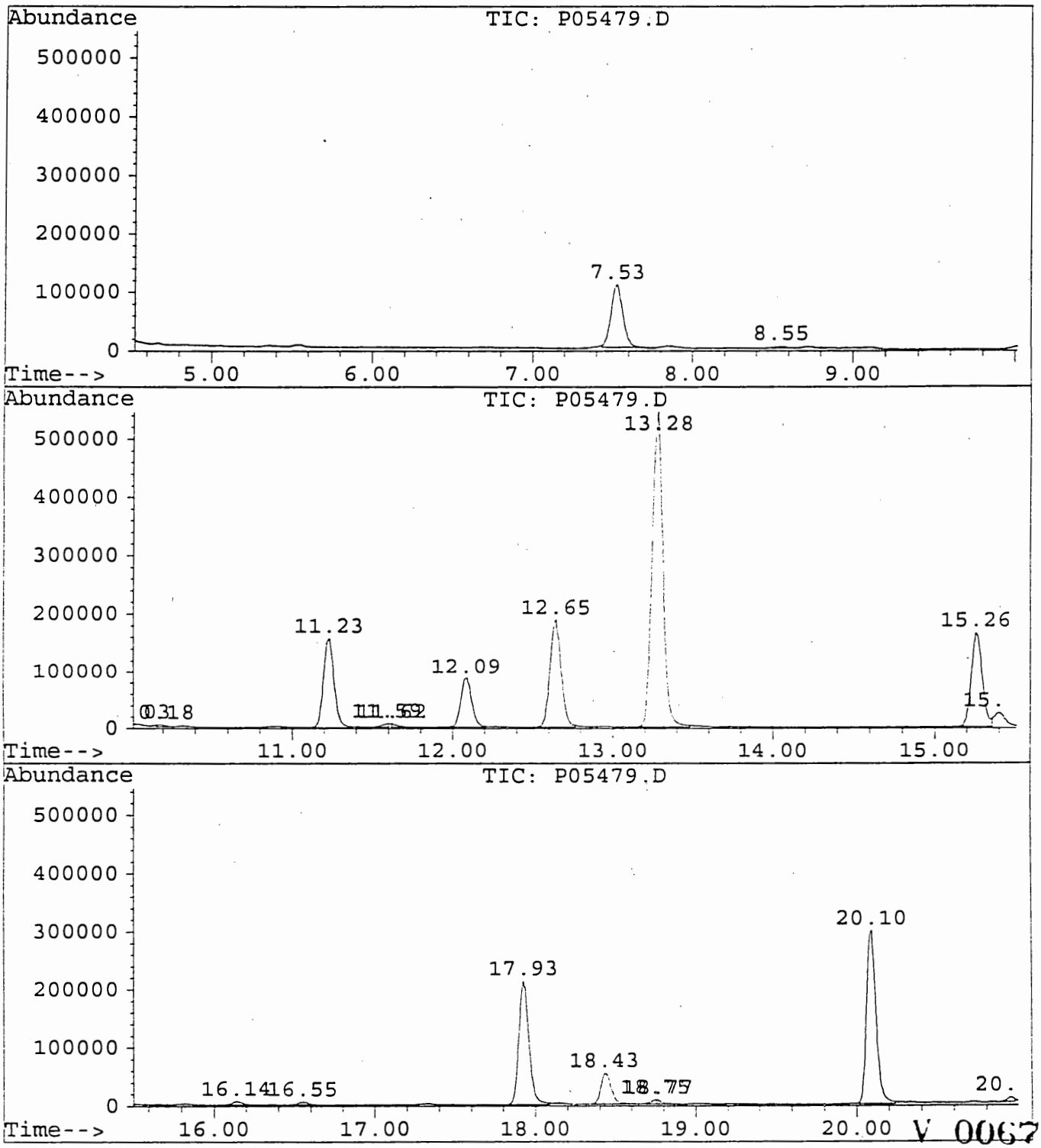
Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



0066

File : S:\MS\HP#3\JAN97\P05479.D
Operator : GLENN
Acquired : 24 Jan 97 19:50 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702029
Misc Info : B60215 H5970-3 1/24/97 5.0G
Vial Number: 3



V 0067

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05479.D Vial: 3
Acq On : 24 Jan 97 19:50 Operator: GLENN
Sample : 9702029 Inst : 5970 - In
Misc : B60215 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 20:16 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

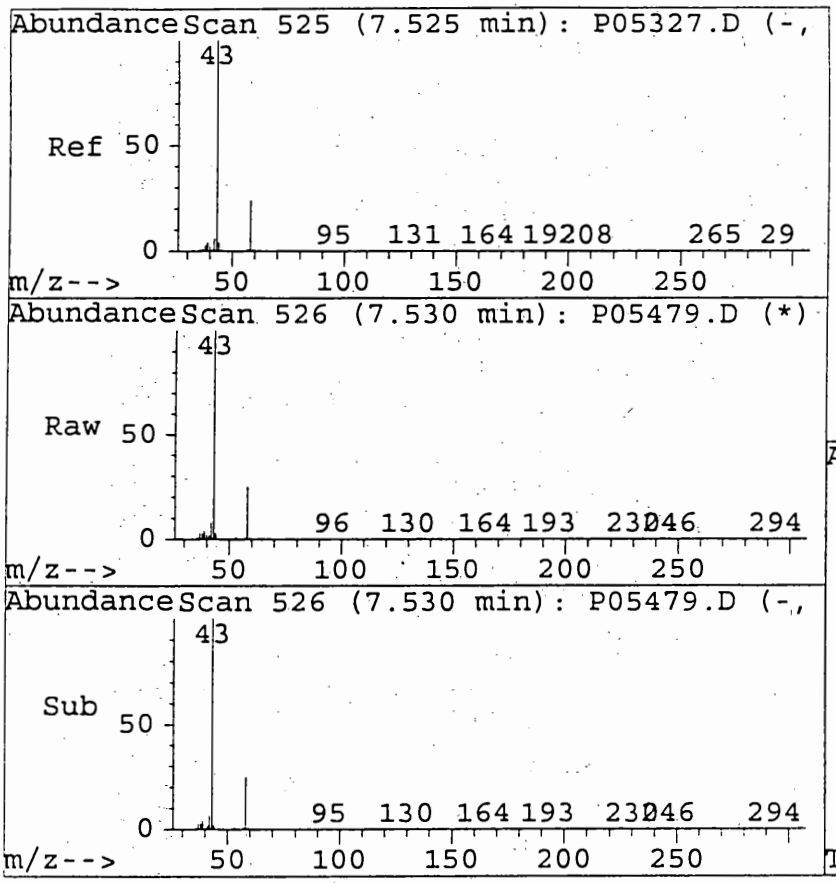
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.23	128	95160	50.00	UG/L		-0.04
21) 1,4-Difluorobenzene	12.65	114	325463	50.00	UG/L		-0.04
33) Chlorobenzene-d5	17.93	117	252112	50.00	UG/L		-0.03
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	12.09	65	155599	54.26	UG/L		108.52%
34) Toluene-d8	15.26	98	262500	50.21	UG/L		100.43%
43) Bromofluorobenzene	20.10	95	240144	50.29	UG/L		100.58%
Target Compounds							**Qvalue**
8) Acetone	7.53	43	372039	360.78	UG/L		90
20) 2-Butanone	10.32	43	8385	7.35	UG/L		91
22) 1,1,1-Trichloroethane	11.62	97	12356	1.78	UG/L		91
24) Trichloroethene	13.28	130	391559	96.17	UG/L		95
36) Toluene	15.41	91	38817	5.58	UG/L		98
38) 2-Hexanone	15.82	43	2586	1.63	UG/L	#	63

(#) = qualifier out of range (m) = manual integration

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 24 Jan 97 19:50
Data File: S:\MS\HP#3\JAN97\P05479.D
Name: 9702029
Misc: B60215 H5970-3 1/24/97 5.0G
Method: CLPS
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

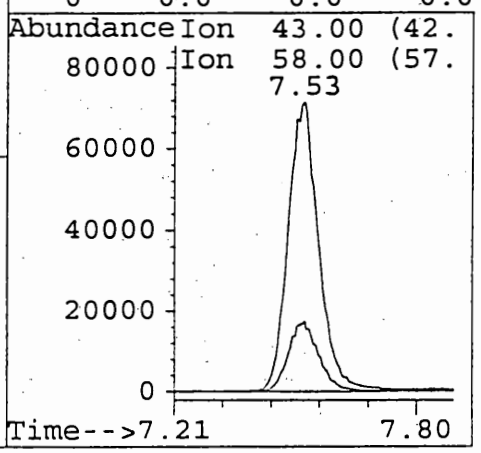
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Heptanone	18.43	12.9	UG/L	240502	ISTD03	17.93	931748	50.0

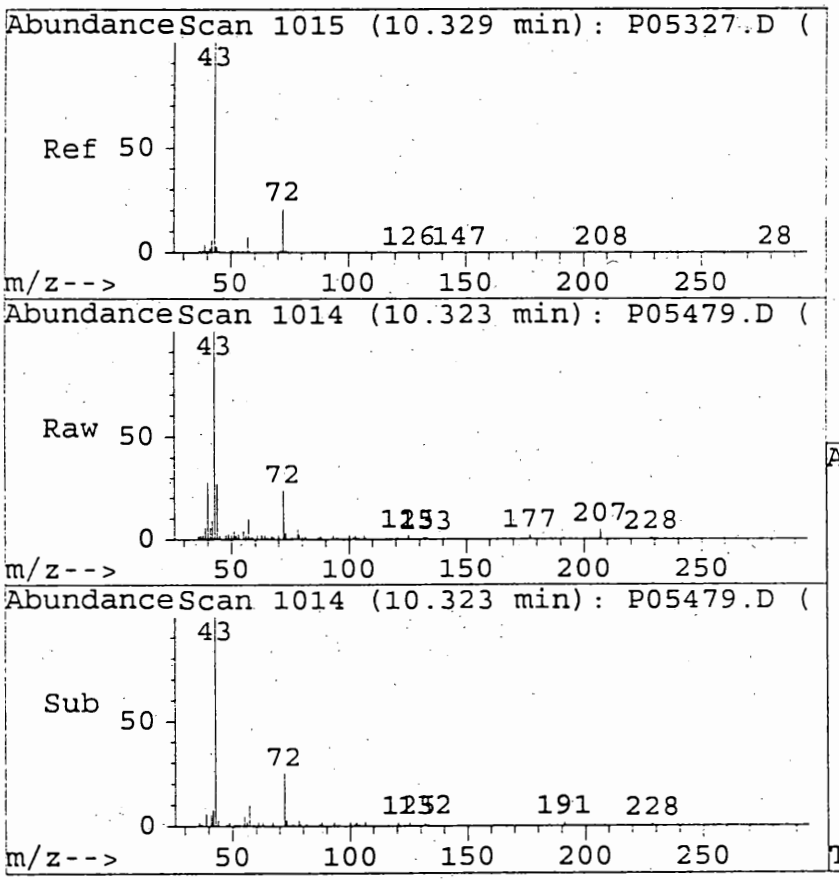


#8
Acetone
Concen: 360.78 UG/L
RT: 7.53 min Scan# 526
Delta R.T. -0.06 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

Tgt Ion:43 Resp: 372039

Ion	Ratio	Lower	Upper
43	100		
58	24.6	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

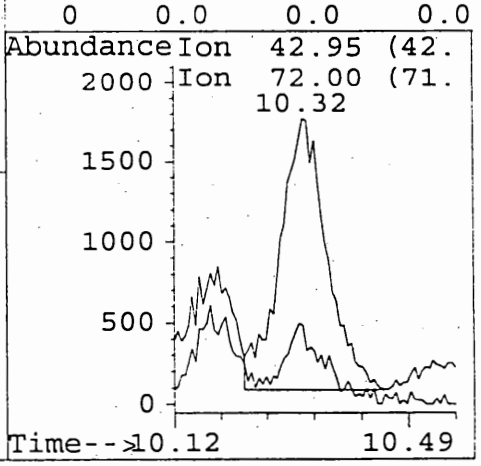




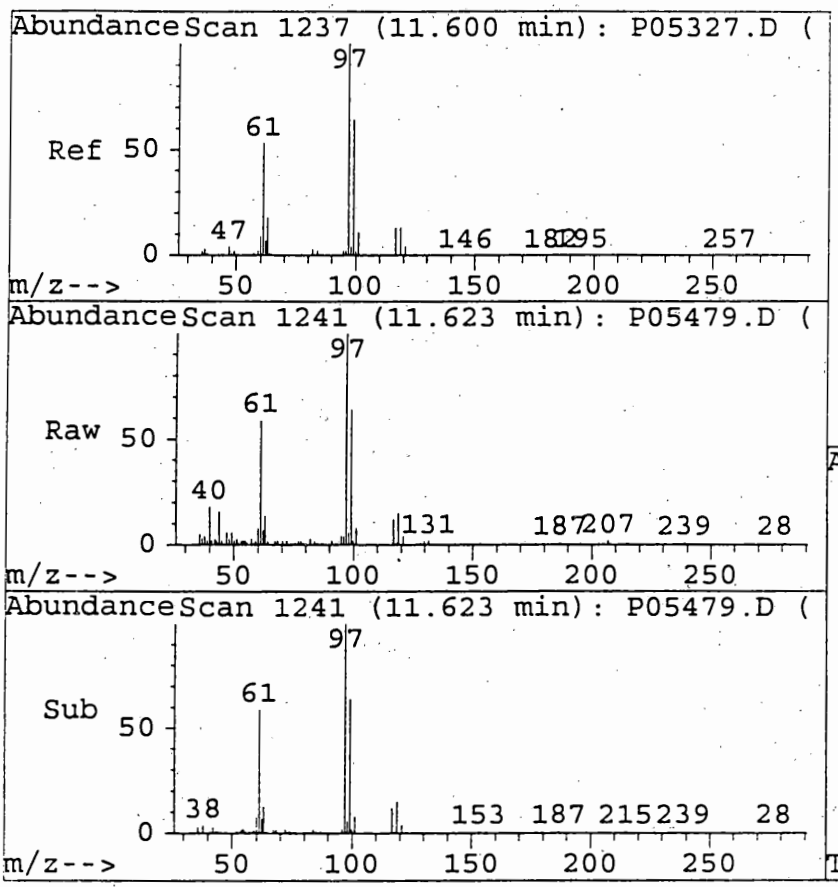
#20
2-Butanone
Concen: 7.35 UG/L
RT: 10.32 min Scan# 1014
Delta R.T. -0.04 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

Tgt Ion:42.95 Resp: 8385

Ion	Ratio	Lower	Upper
43	100		
72	19.1	3.6	43.6
0	0.0	0.0	0.0
0	0.0	0.0	0.0



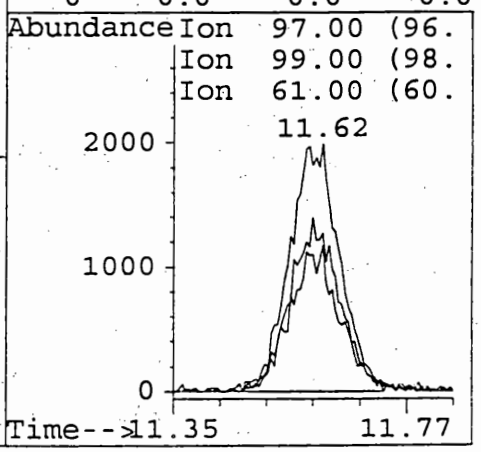
Sample Name: 9702029
Misc. Info: B60215 H5970-3 1/24/97 5.0G
P05479.D CLPS.M Wed Feb 12 15:50:21 1997 JON

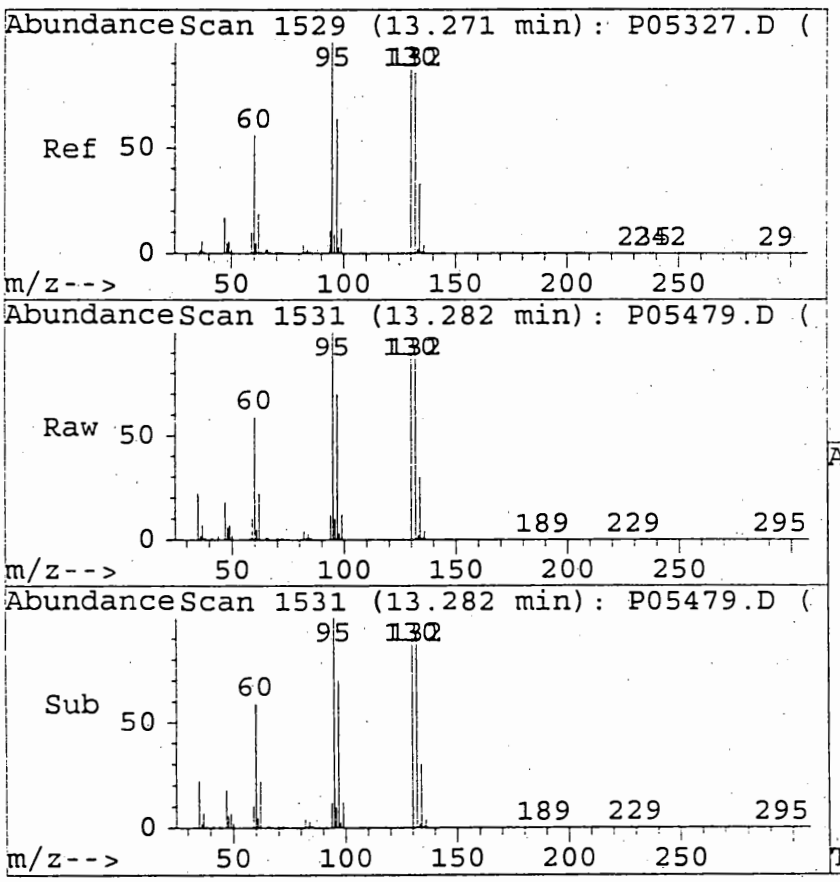


#22
1,1,1-Trichloroethane
Concen: 1.78 UG/L
RT: 11.62 min Scan# 1241
Delta R.T. -0.03 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

Tgt Ion:97 Resp: 12356

Ion	Ratio	Lower	Upper
97	100		
99	64.1	46.6	86.6
61	59.1	27.5	67.5
0	0.0	0.0	0.0

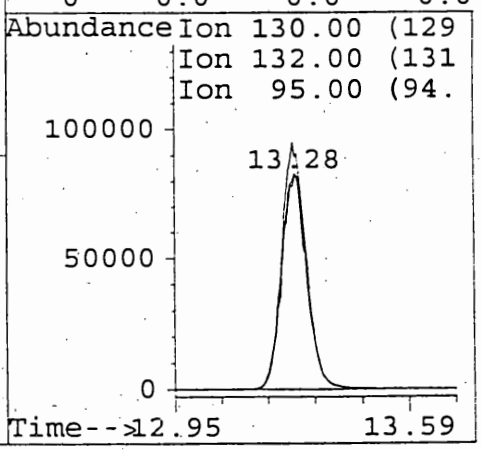




#24
Trichloroethene
Concen: 96.17 UG/L
RT: 13.28 min Scan# 1531
Delta R.T. -0.03 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

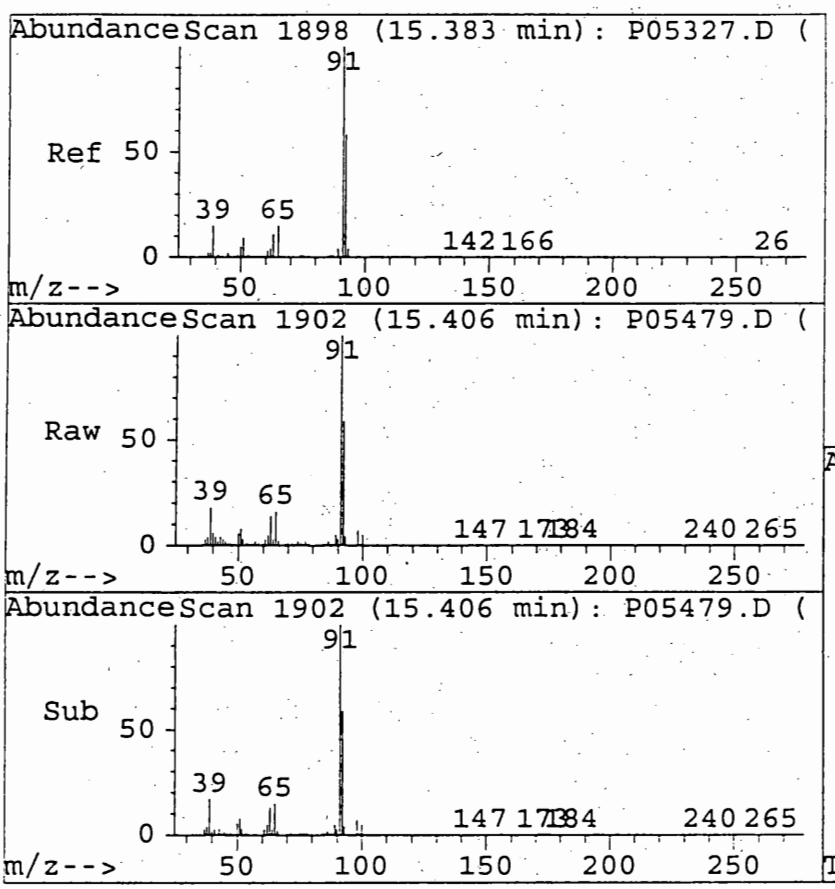
Tgt Ion:130 Resp: 391559

Ion	Ratio	Lower	Upper
130	100		
132	101.0	82.0	122.0
95	109.0	80.0	120.0
0	0.0	0.0	0.0



Sample Name: 9702029
Misc. Info: B60215 H5970-3 1/24/97 5.0G
P05479.D CLPS.M Wed Feb 12 15:50:25 1997 JON

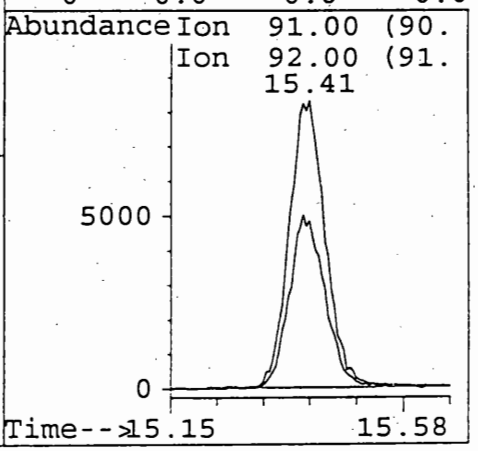
V 0071

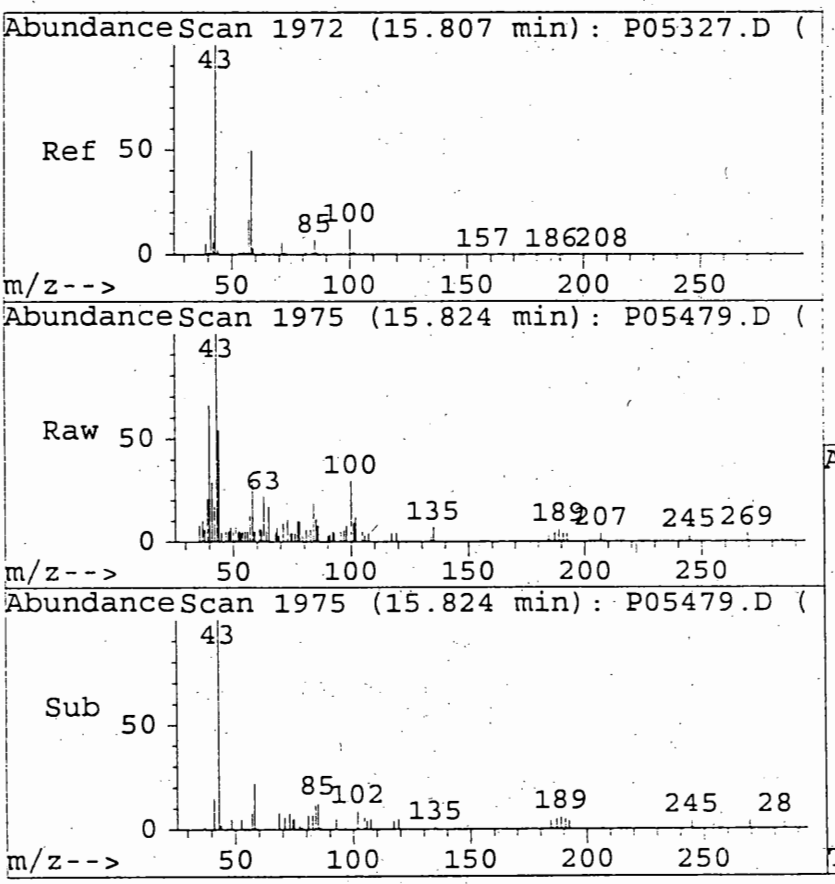


#36
Toluene
Concen: 5.58 UG/L
RT: 15.41 min Scan# 1902
Delta R.T. -0.03 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

Tgt Ion:91 Resp: 38817

Ion	Ratio	Lower	Upper
91	100		
92	58.8	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

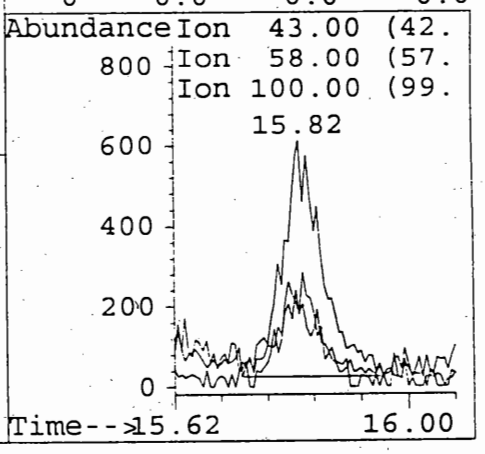




#38
2-Hexanone
Concen: 1.63 UG/L
RT: 15.82 min Scan# 1975
Delta R.T. -0.02 min
Lab File: P05479.D
Acq: 24 Jan 97 7:50 pm

Tgt Ion:43 Resp: 2586

Ion	Ratio	Lower	Upper
43	100		
58	25.6	31.2	71.2#
100	26.6	0.0	32.0
0	0.0	0.0	0.0



Sample Name: 9702029
Misc. Info: B60215 H5970-3 1/24/97 5.0G
P05479.D CLPS.M Wed Feb 12 15:50:30 1997 JON

Library Search Compound Report

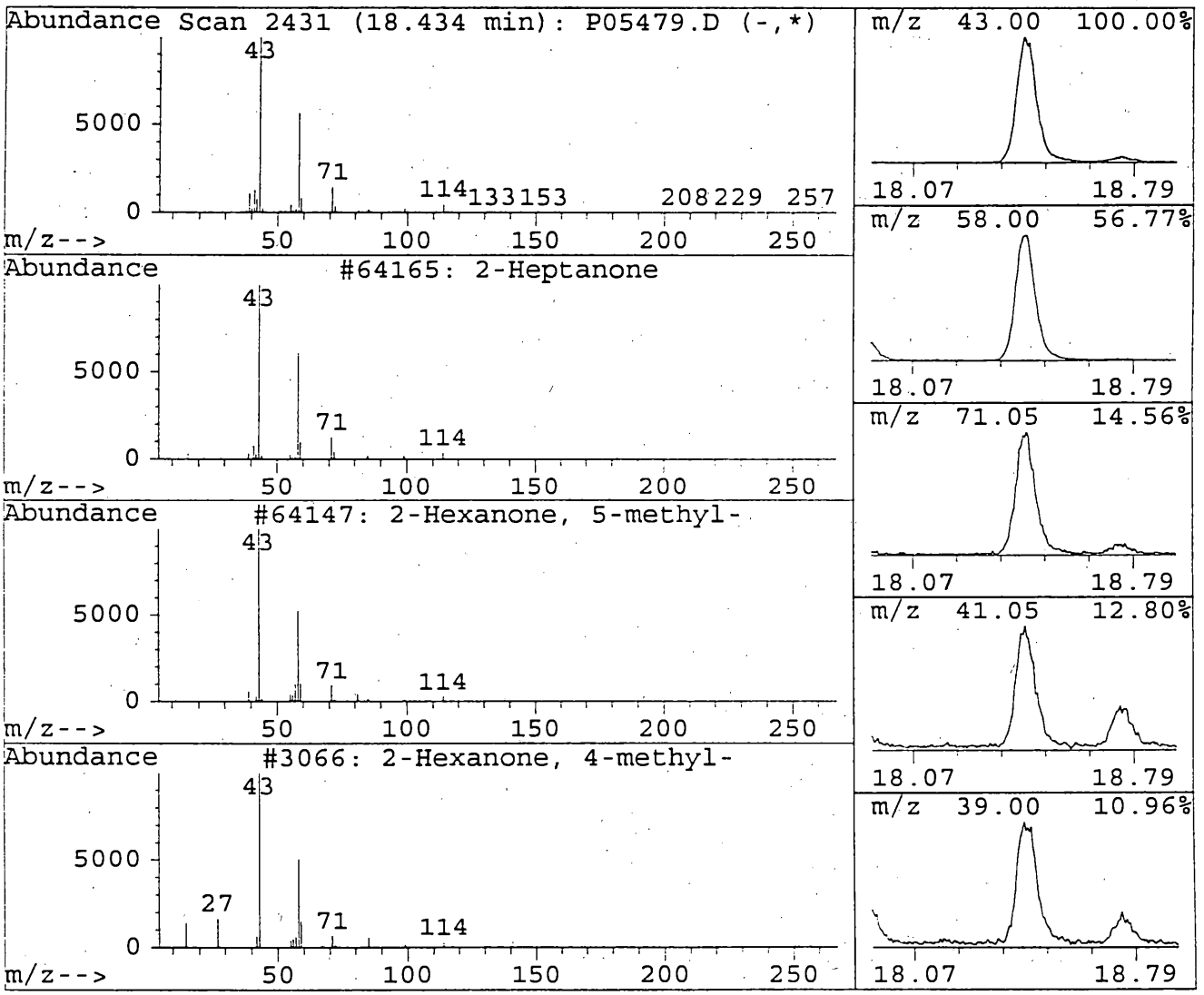
Data File : S:\MS\HP#3\JAN97\P05479.D
Acq On : 24 Jan 97 19:50
Sample : 9702029
Misc : B60215 H5970-3 1/24/97 5.0G

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.43	12.91 UG/L	240502	Chlorobenzene-d5	17.93

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	64



V 0073

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60216

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

AGSP-02 (25-27')

Matrix: (soil/water) SOIL Lab Sample ID: 9702030

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05480.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60216

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702030

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05480.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.7 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

gpw H2M 2/20/97

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

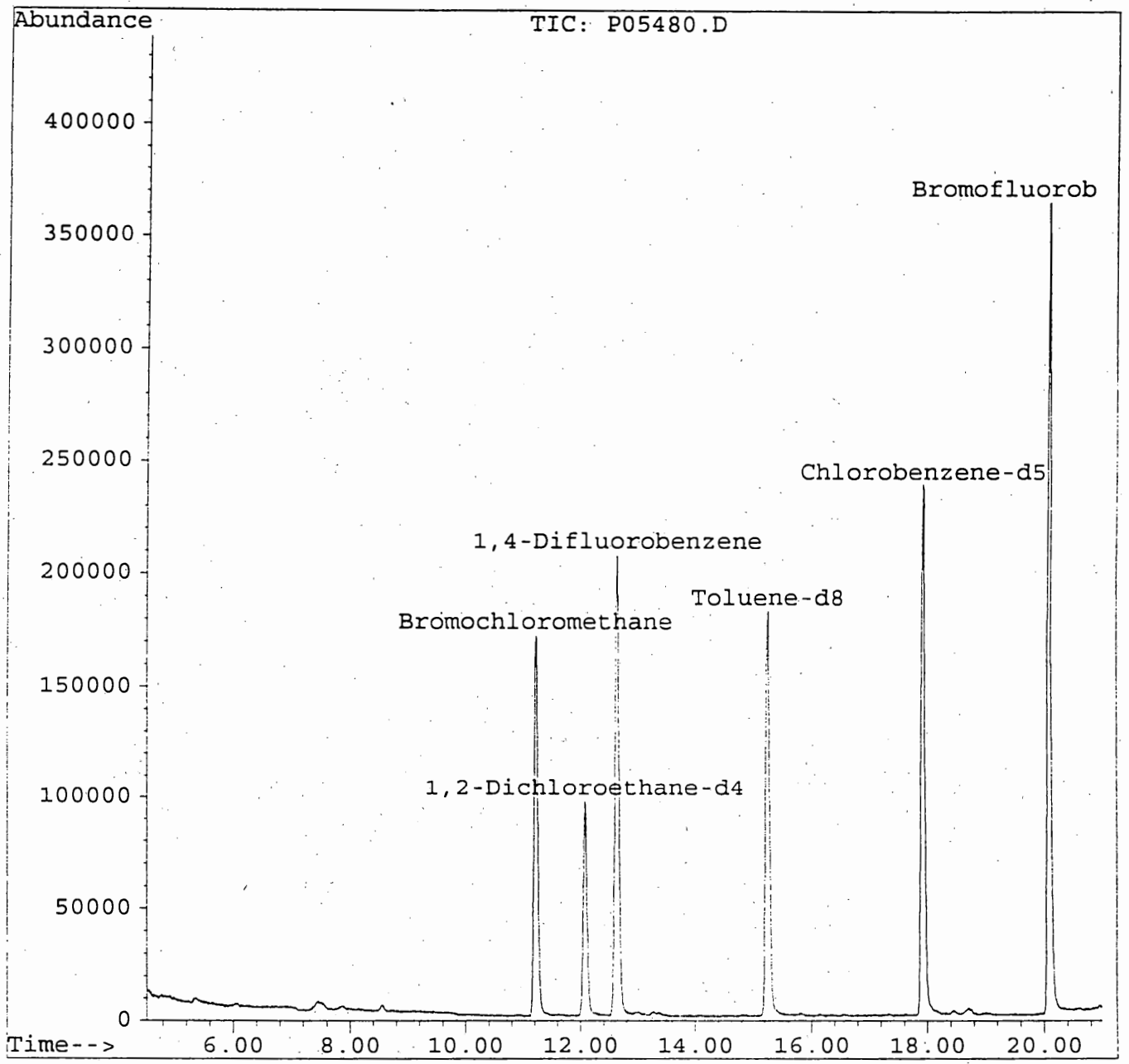
V 0075

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05480.D
Acq On : 24 Jan 97 8:21 pm
Sample : 9702030
Misc : B60216 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 20:47 1997

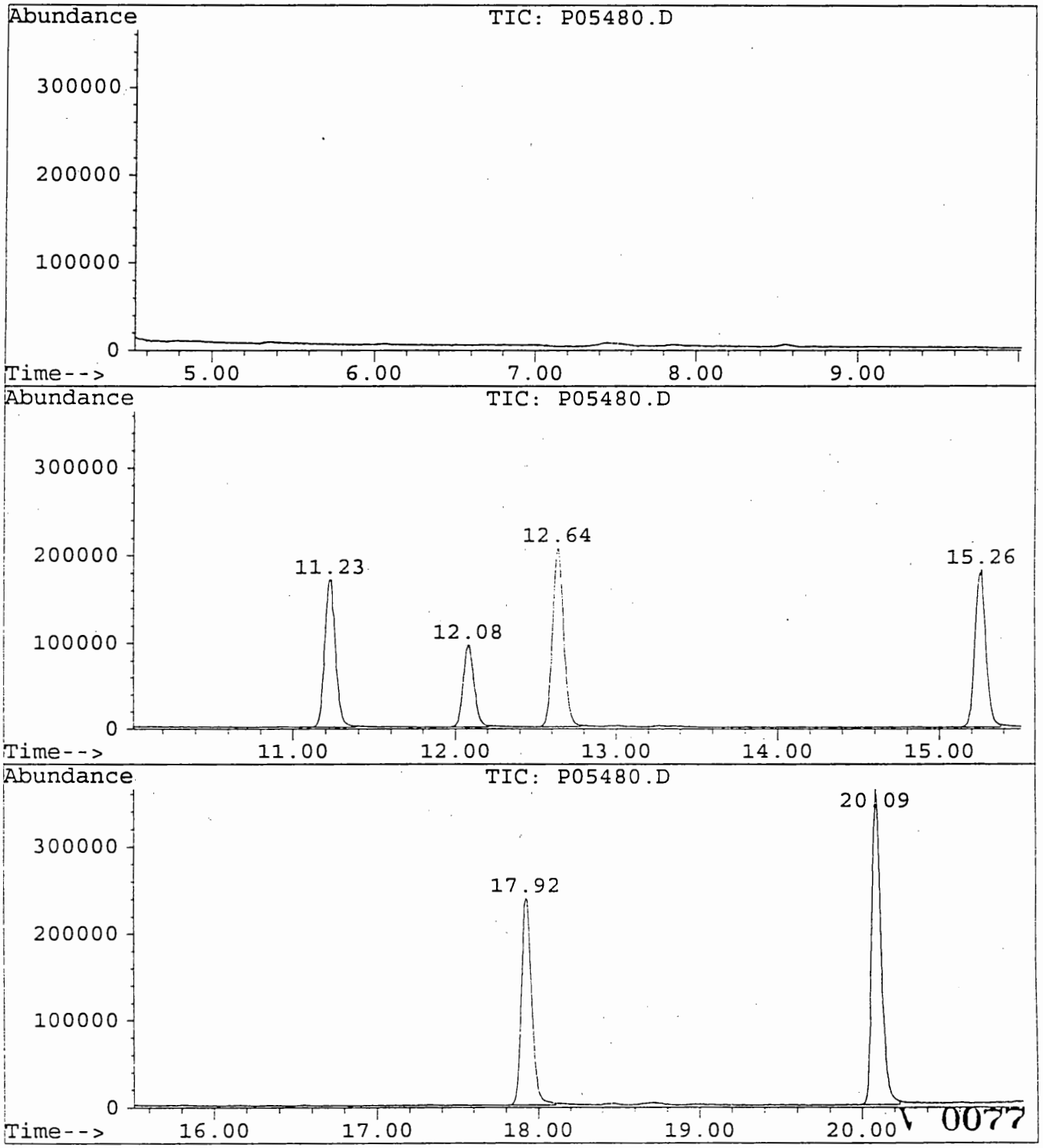
Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0076

File : S:\MS\HP#3\JAN97\P05480.D
Operator : GLENN
Acquired : 24 Jan 97 20:21 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702030
Misc Info : B60216 H5970-3 1/24/97 5.0G
Vial Number: 4



0077

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05480.D Vial: 4
Acq On : 24 Jan 97 20:21 Operator: GLENN
Sample : 9702030 Inst : 5970 - In
Misc : B60216 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 20:47 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	101595	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	356095	50.00	UG/L	-0.05
33) Chlorobenzene-d5	17.94	117	288427	50.00	UG/L	-0.02
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	172416	56.32	UG/L	112.63%
34) Toluene-d8	15.26	98	290115	48.51	UG/L	97.02%
43) Bromofluorobenzene	20.09	95	286163	52.38	UG/L	104.77%
Target Compounds						Qvalue
8) Acetone	7.53	43	8790	7.98	UG/L	80

V-0075

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

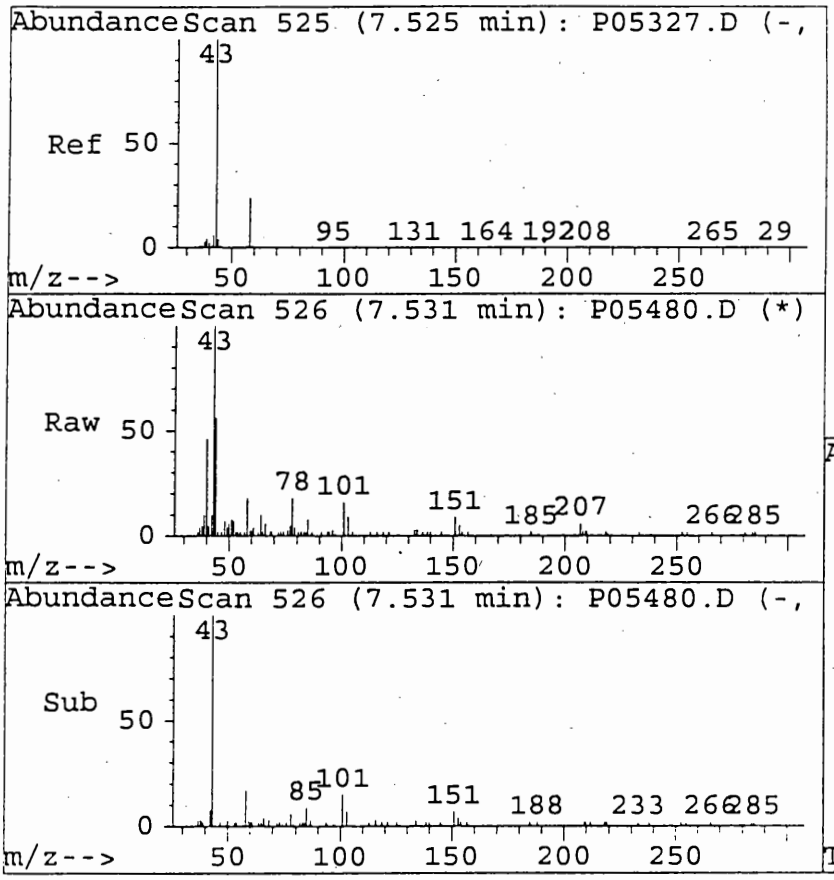
Data File : S:\MS\HP#3\JAN97\P05480.D
Acq On : 24 Jan 97 20:21
Sample : 9702030
Misc : B60216 H5970-3 1/24/97 5.0G

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

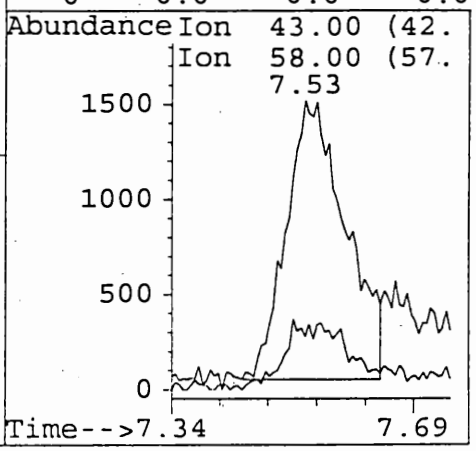
V 0079



#8
Acetone
Concen: 7.98 UG/L
RT: 7.53 min Scan# 526
Delta R.T. -0.06 min
Lab File: P05480.D
Acq: 24 Jan 97 8:21 pm

Tgt Ion:43 Resp: 8790

Ion	Ratio	Lower	Upper
43	100		
58	19.1	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702030
Misc. Info: B60216 H5970-3 1/24/97 5.0G
P05480.D CLPS.M Wed Feb 12 15:51:24 1997 JON

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60217

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702031

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05481.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

AGSP-02 (30-32')

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	3	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-4	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
71-43-2	Benzene	11	U
124-48-1	Dibromochloromethane	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
79-00-5	1,1,2-Trichloroethane	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60217

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702031

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05481.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4.8 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume X (uL) Soil Aliquot Volume: X (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

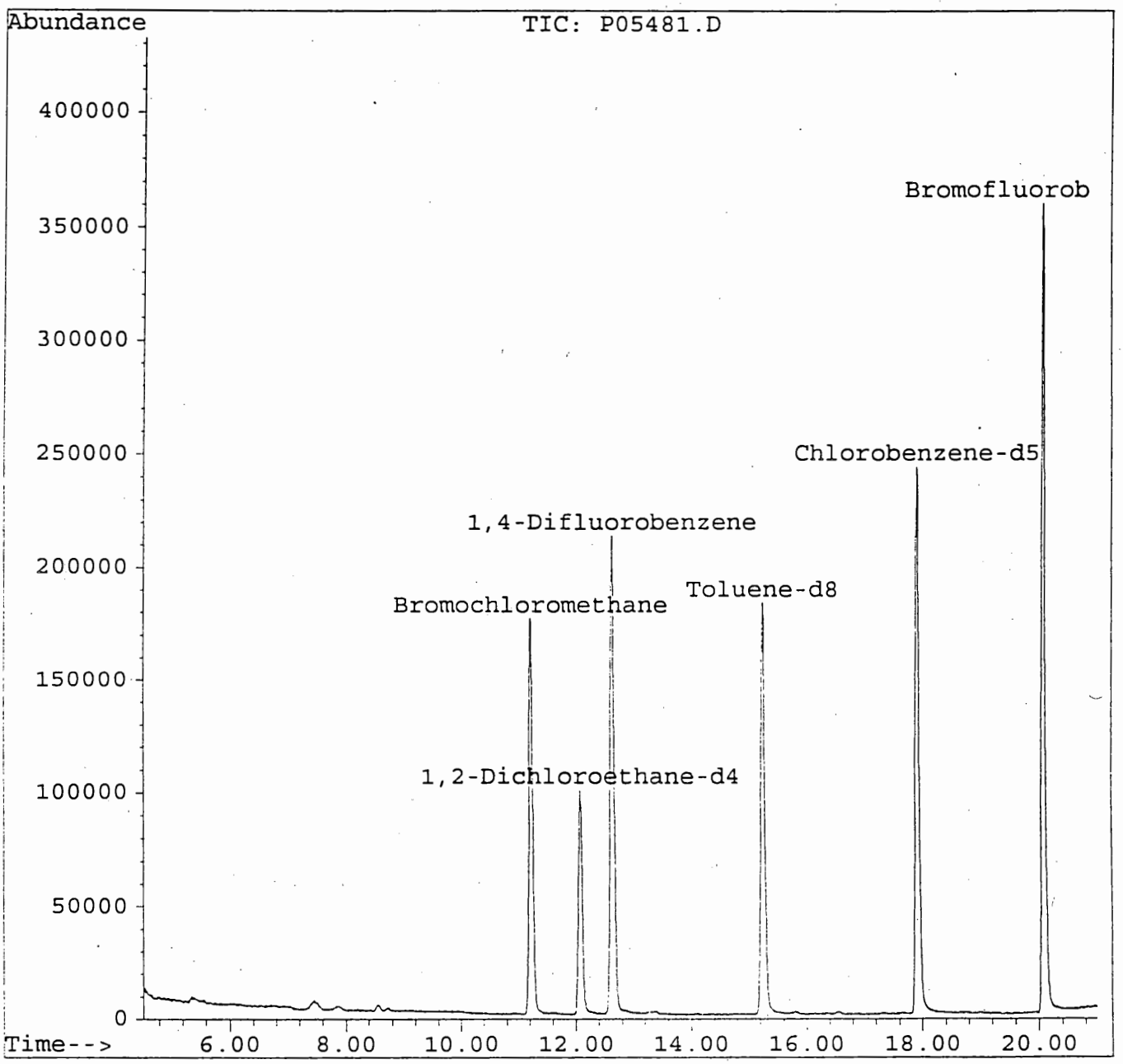
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05481.D
Acq On : 24 Jan 97 8:52 pm
Sample : 9702031
Misc : B60217 H5970-3 1/24/97 5.0G
Quant Time: Jan 24 21:18 1997

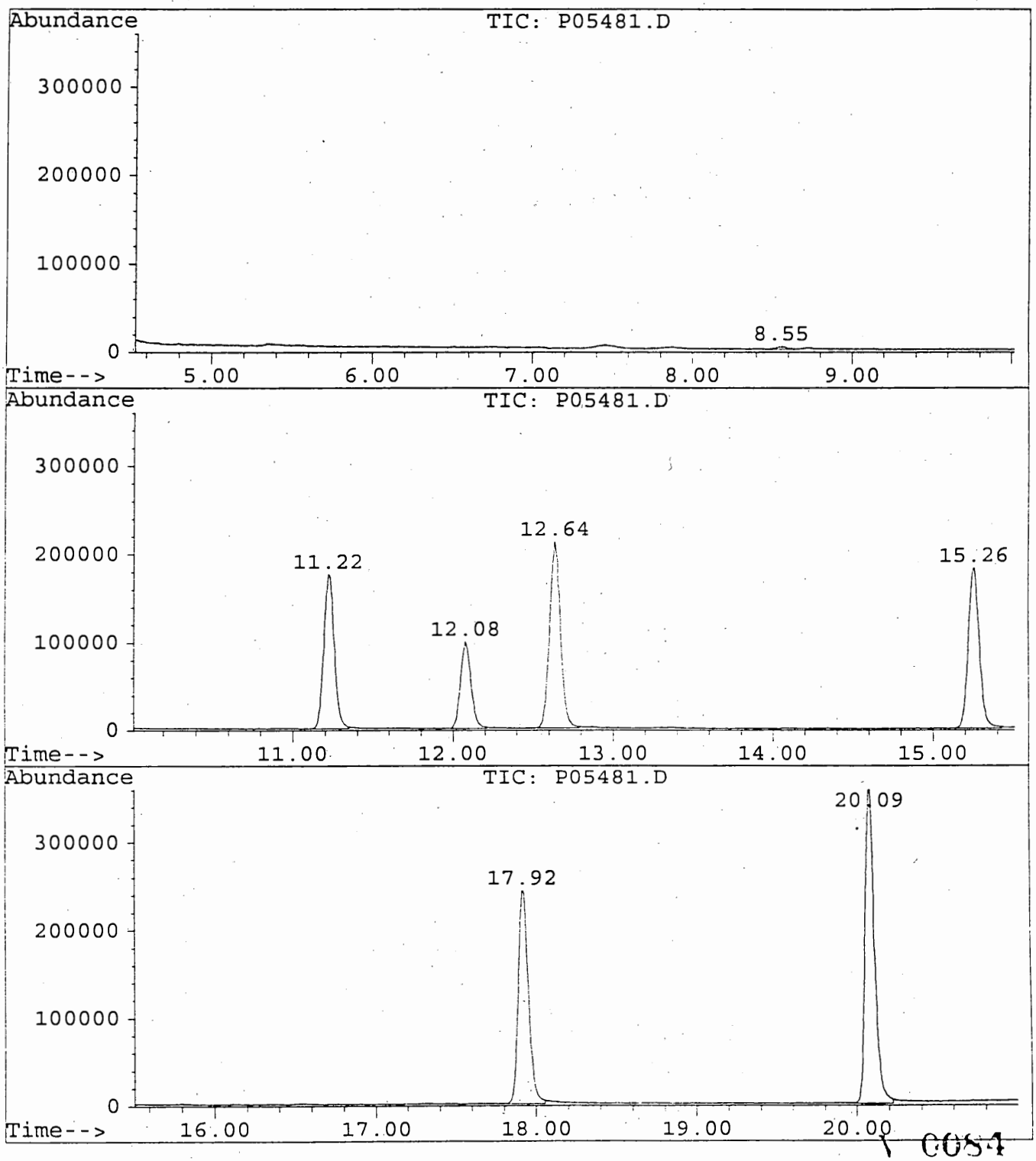
Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



0083

File : S:\MS\HP#3\JAN97\P05481.D
Operator : GLENN
Acquired : 24 Jan 97 20:52 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702031
Misc Info : B60217 H5970-3 1/24/97 5.0G
Vial Number: 5



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05481.D Vial: 5
Acq On : 24 Jan 97 20:52 Operator: GLENN
Sample : 9702031 Inst : 5970 - In
Misc : B60217 H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Jan 24 21:18 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.23	128	104319	50.00	UG/L	-0.04
21) 1,4-Difluorobenzene	12.64	114	359980	50.00	UG/L	-0.05
33) Chlorobenzene-d5	17.92	117	293041	50.00	UG/L	-0.04
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	174330	55.46	UG/L	110.91%
34) Toluene-d8	15.25	98	290303	47.78	UG/L	95.55%
43) Bromofluorobenzene	20.09	95	287084	51.72	UG/L	103.45%
Target Compounds						Qvalue
8) Acetone	7.54	43	3241	2.87	UG/L	76

(#) = qualifier out of range (m) = manual integration

V 0085

Library Search Compound Report

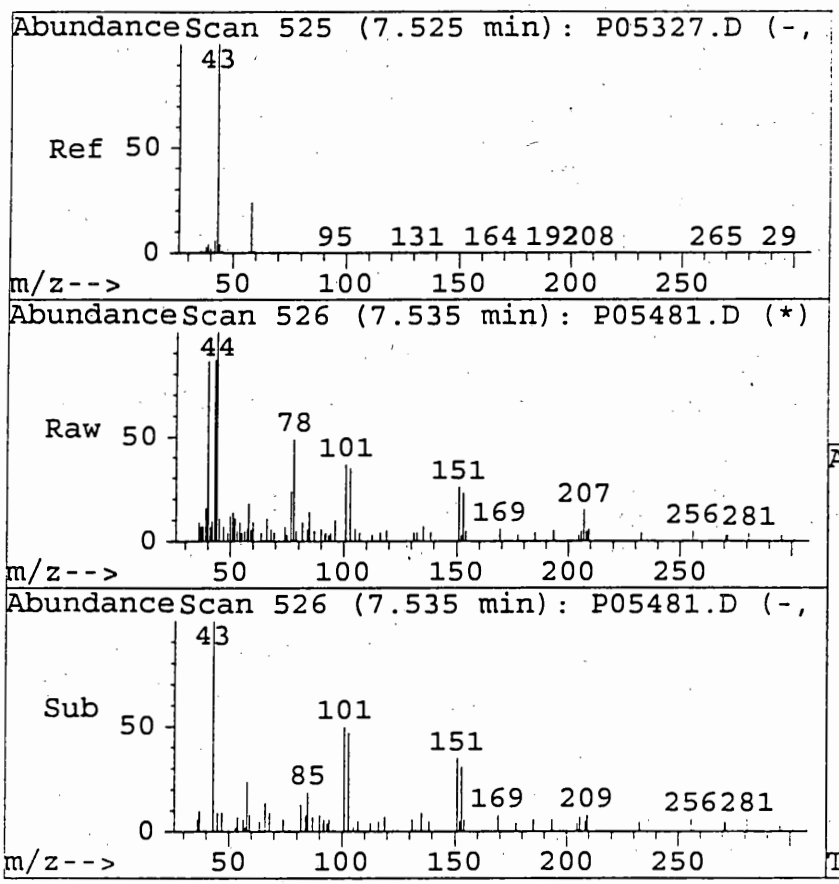
Data File : S:\MS\HP#3\JAN97\P05481.D
Acq On : 24 Jan 97 20:52
Sample : 9702031
Misc : B60217 H5970-3 1/24/97 5.0G

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

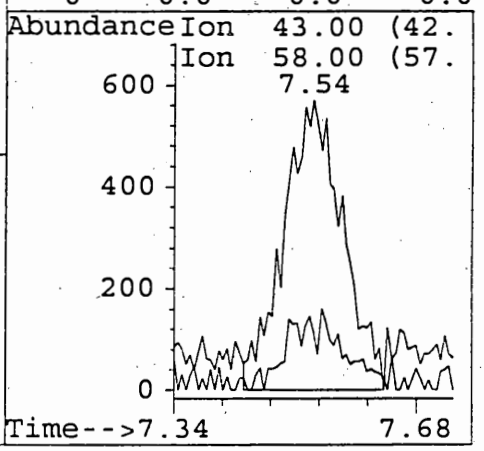
\ C086



#8
Acetone
Concen: 2.87 UG/L
RT: 7.54 min Scan# 526
Delta R.T. -0.06 min
Lab File: P05481.D
Acq: 24 Jan 97 8:52 pm

Tgt Ion:43 Resp: 3241

Ion	Ratio	Lower	Upper
43	100		
58	16.8	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60218

AGSP-02

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702032

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05488.D

(35'-37')

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	JB
67-64-1	Acetone	9	JB
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60218

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: 9702032

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05488.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. 4 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

jmw H2M 2/23/97

Number TICs found: 0

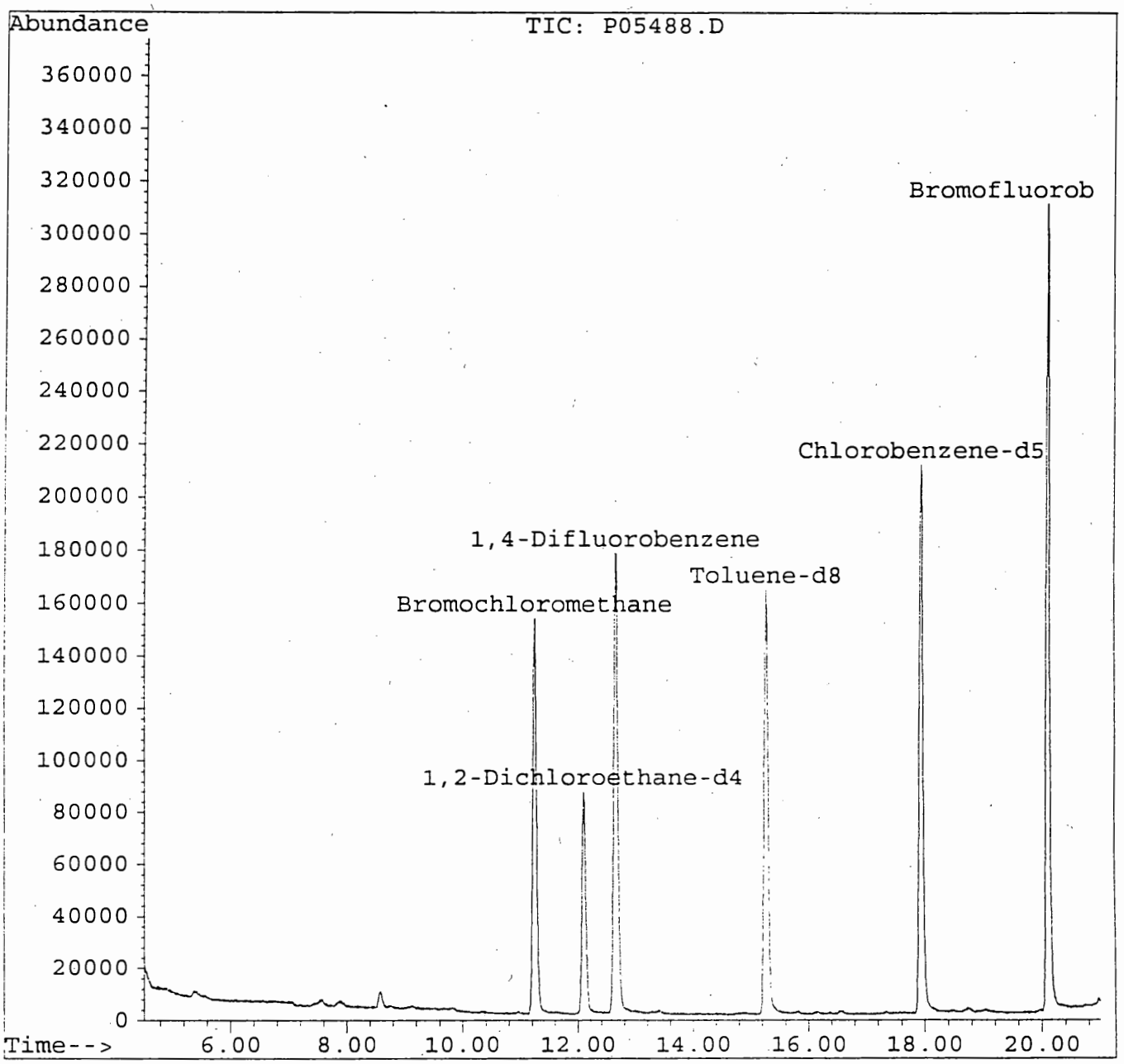
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05488.D
Acq On : 27 Jan 97 5:46 pm
Sample : 9702032
Misc : B60218 H5970-3 1/27/97 5.0G
Quant Time: Jan 27 18:11 1997

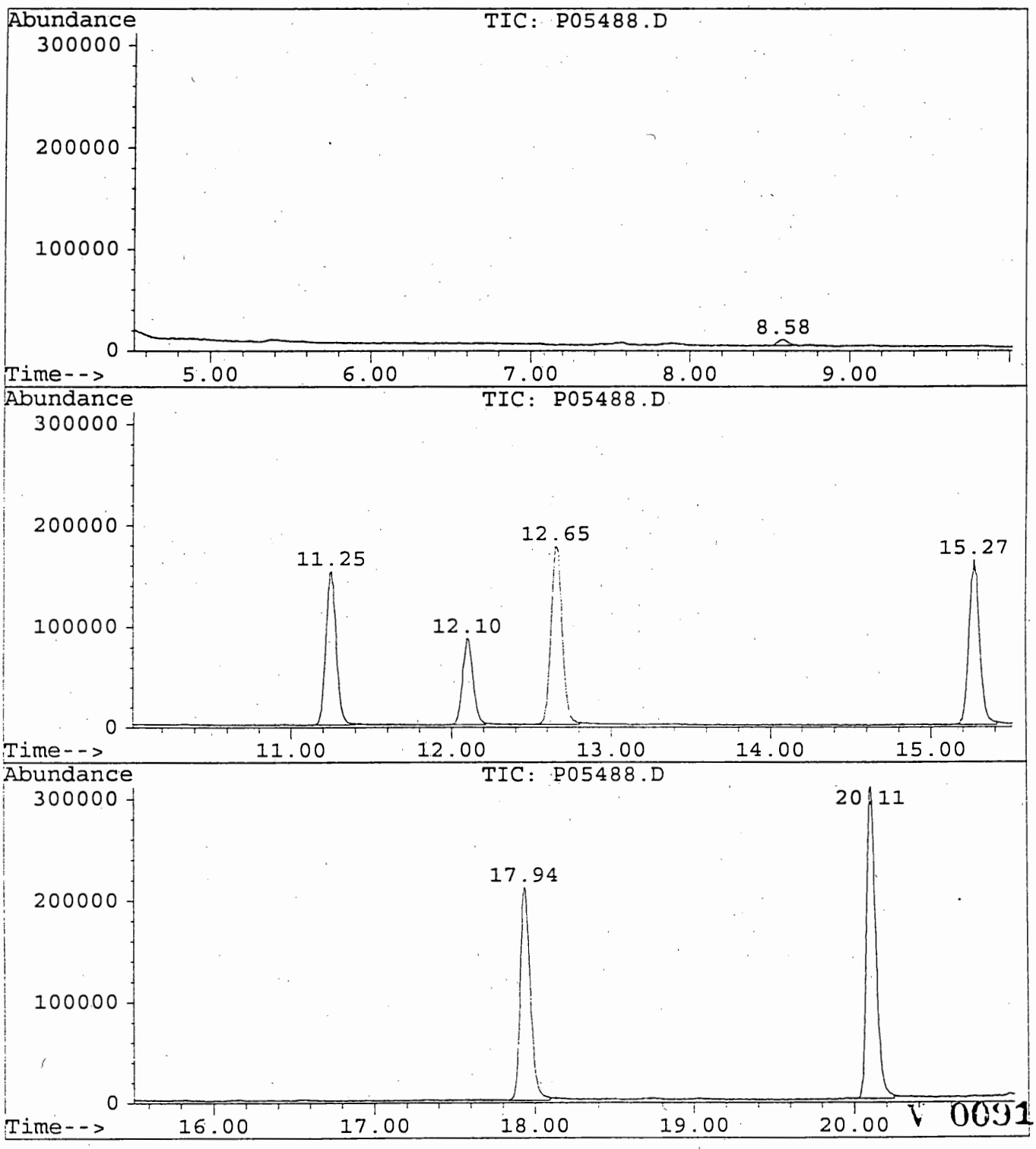
Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0090

File : S:\MS\HP#3\JAN97\P05488.D
Operator : GLENN
Acquired : 27 Jan 97 17:46 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: 9702032
Misc Info : B60218 H5970-3 1/27/97 5.0G
Vial Number: 5



V 0091

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05488.D Vial: 5
Acq On : 27 Jan 97 17:46 Operator: GLENN
Sample : 9702032 Inst : 5970 - In
Misc : B60218 H5970-3 1/27/97 5.0G Multiplr: 1.00
Quant Time: Jan 27 18:11 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 27 15:49:29 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05484.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.25	128	89348	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.66	114	312093	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.94	117	253919	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.10	65	149998	54.37	UG/L	108.73%
34) Toluene-d8	15.27	98	255827	49.04	UG/L	98.07%
43) Bromofluorobenzene	20.11	95	245972	50.45	UG/L	100.90%
Target Compounds						**Qvalue**
8) Acetone	7.56	43	8452	8.31	UG/L	84
9) Methylene Chloride	8.57	84	6480	2.11	UG/L #	77

0092

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

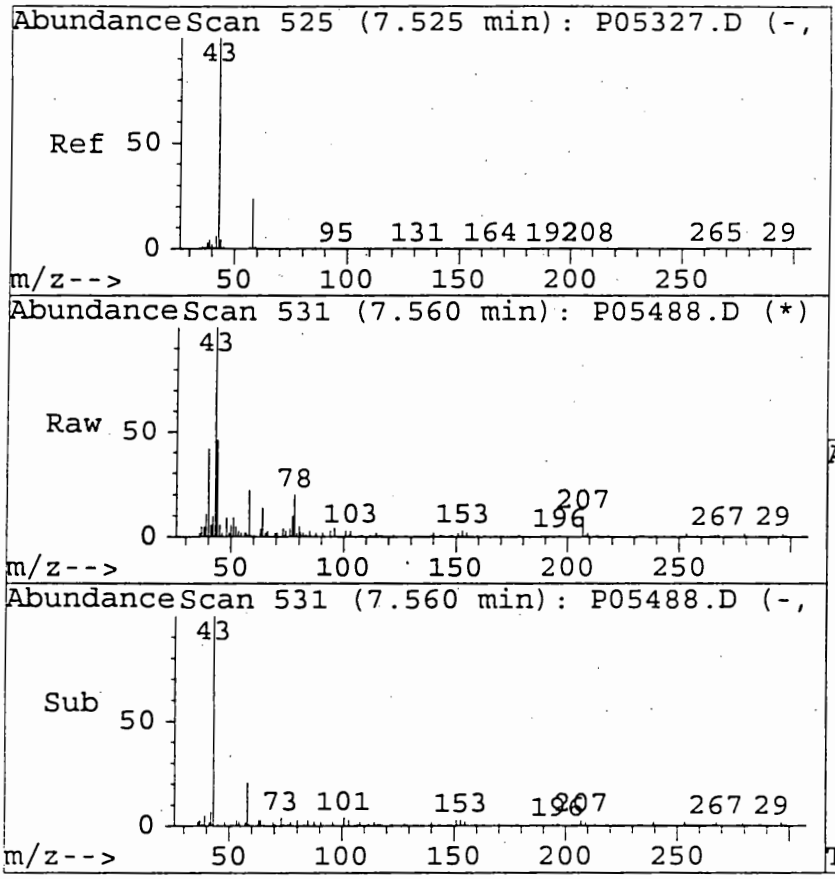
Data File : S:\MS\HP#3\JAN97\P05488.D
Acq On : 27 Jan 97 17:46
Sample : 9702032
Misc : B60218 H5970-3 1/27/97 5.0G

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

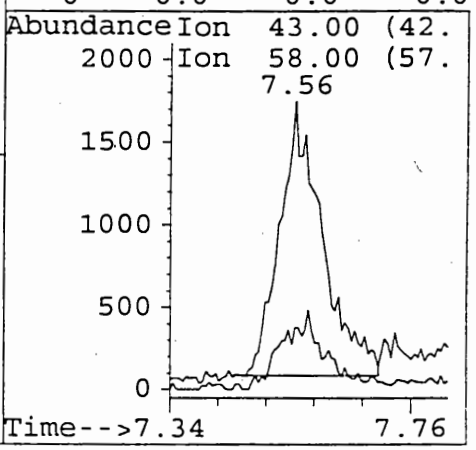
V 0093

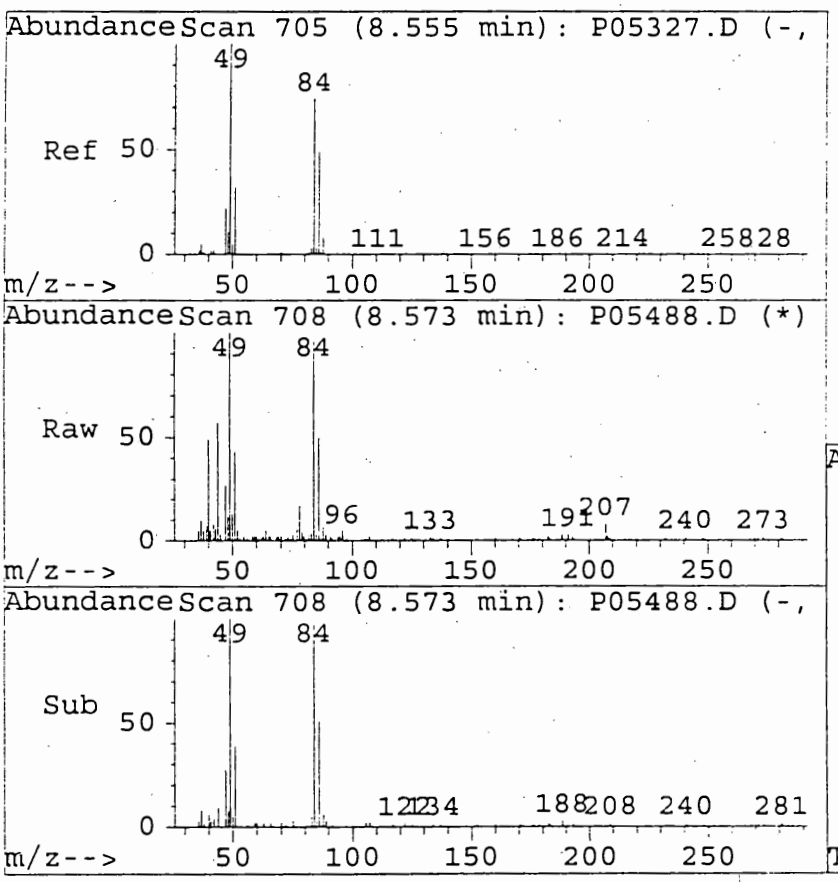


#8
Acetone
Concen: 8.31 UG/L
RT: 7.56 min Scan# 531
Delta R.T. -0.02 min
Lab File: P05488.D
Acq: 27 Jan 97 5:46 pm

Tgt Ion:43 Resp: 8452

Ion	Ratio	Lower	Upper
43	100		
58	20.8	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

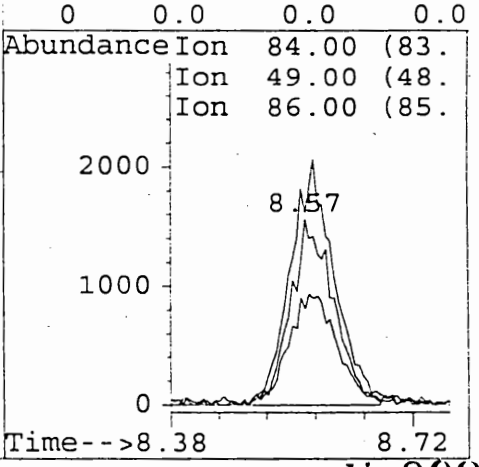




#9
Methylene Chloride
Concen: 2.11 UG/L
RT: 8.57 min Scan# 708
Delta R.T. -0.02 min
Lab File: P05488.D
Acq: 27 Jan 97 5:46 pm

Tgt Ion:84 Resp: 6480

Ion	Ratio	Lower	Upper
84	100		
49	104.0	113.6	153.6#
86	51.9	48.1	88.1
0	0.0	0.0	0.0



V 0094

Sample Name: 9702032
Misc. Info: B60218 H5970-3 1/27/97 5.0G
P05488.D CLPS.M Wed Feb 12 15:56:07 1997 JON

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60220

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05528.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

A66P-02

(76-80')

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	440	E
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	1	J
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	9	J
71-55-6	1,1,1-Trichloroethane	82	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	1900	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	56	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	310	E
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	4	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60220

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05528.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

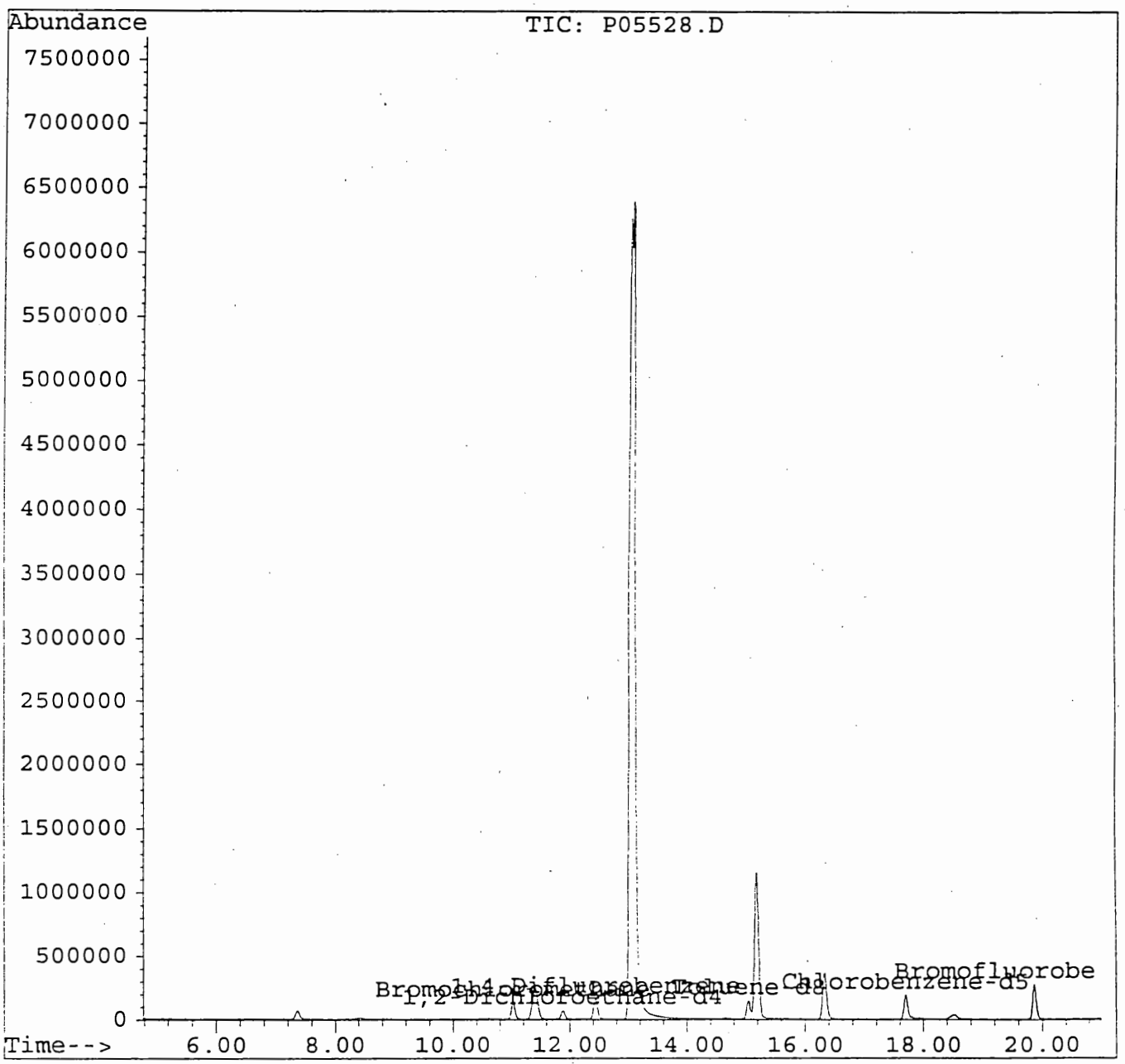
CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.52	16	JN

V 0096

Quantitation Report

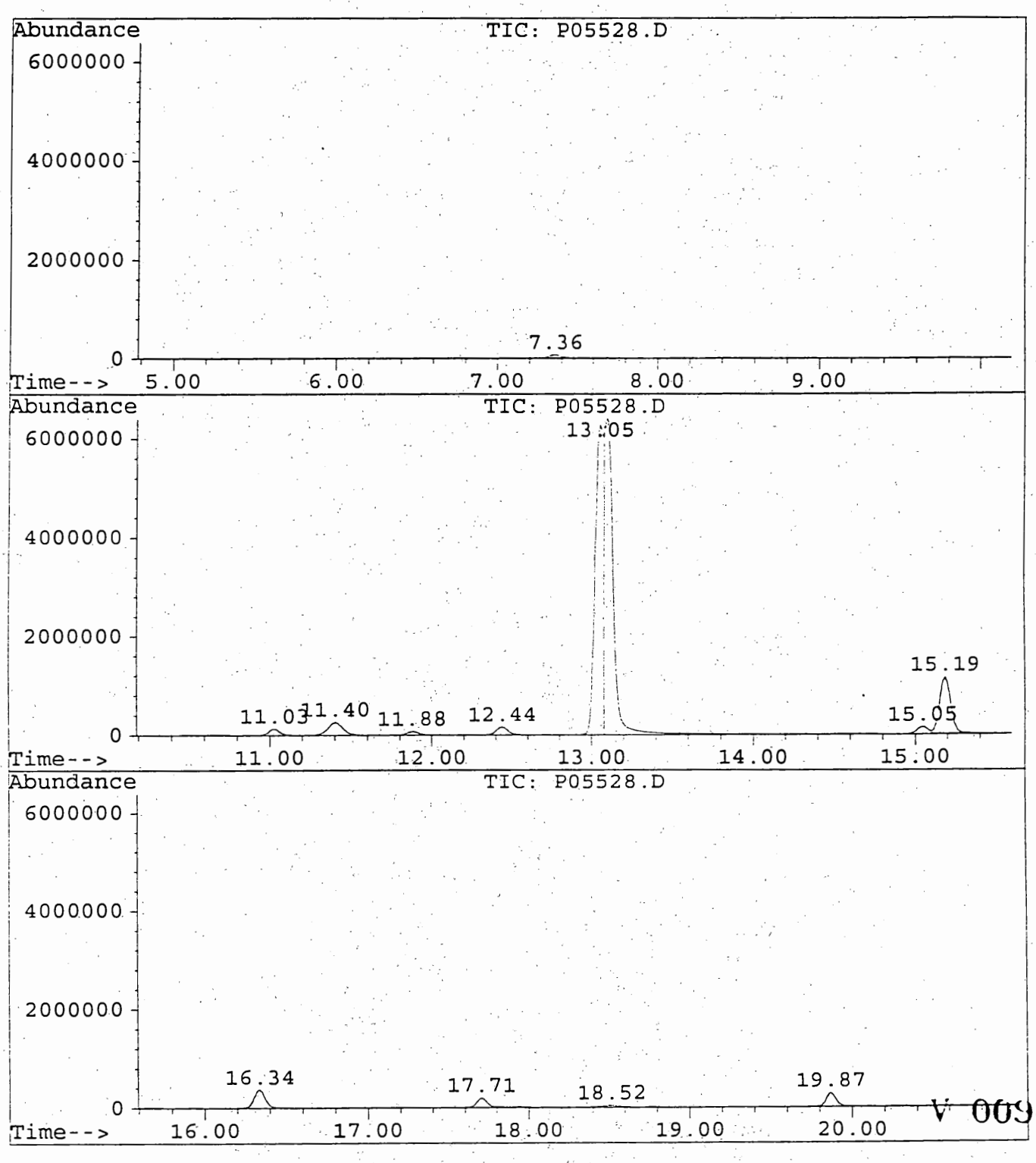
Data File : S:\MS\HP#3\JAN97\P05528.D Vial: 10
Acq On : 29 Jan 97 6:14 pm Operator: GLENN
Sample : 9702037 Inst : 5970 - In
Misc : B60220 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:02 1997

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0097

File : S:\MS\HP#3\JAN97\P05528.D
Operator : GLENN
Acquired : 29 Jan 97 18:14 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702037
Misc Info : B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Vial Number: 10



V 0098

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05528.D Vial: 10
Acq On : 29 Jan 97 18:14 Operator: GLENN
Sample : 9702037 Inst : 5970 - In
Misc : B60220 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:02 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.03	128	76995	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.44	114	286473	50.00	UG/L	-0.03
33) Chlorobenzene-d5	17.70	117	235900	50.00	UG/L	-0.03
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	11.88	65	126996	58.56	UG/L	117.12%
34) Toluene-d8	15.05	98	234668	48.00	UG/L	96.00%
43) Bromofluorobenzene	19.87	95	229783	52.34	UG/L	104.68%
Target Compounds						Qvalue
6) 1,1-Dichloroethene	7.62	96	3400	1.05	UG/L #	84
8) Acetone	7.36	43	235878	436.36	UG/L	88
9) Methylene Chloride	8.38	84	2979	1.07	UG/L #	72
20) 2-Butanone	10.13	43	5190	9.09	UG/L #	58
22) 1,1,1-Trichloroethane	11.40	97	493356	82.06	UG/L	96
24) Trichloroethene	13.10	130	6818544m	1891.08	UG/L	88
36) Toluene	15.19	91	1978680	311.71	UG/L	100
37) Tetrachloroethene	16.34	164	206741	55.97	UG/L	99
40) Ethylbenzene	17.81	106	2538m	1.12	UG/L	98
41) Xylene (total)	17.95	106	11319m	4.29	UG/L	68
44) m/p-Xylene	17.95	106	7797	2.87	UG/L	98

2/13/97

V-0099

(#) = qualifier out of range (m) = manual integration

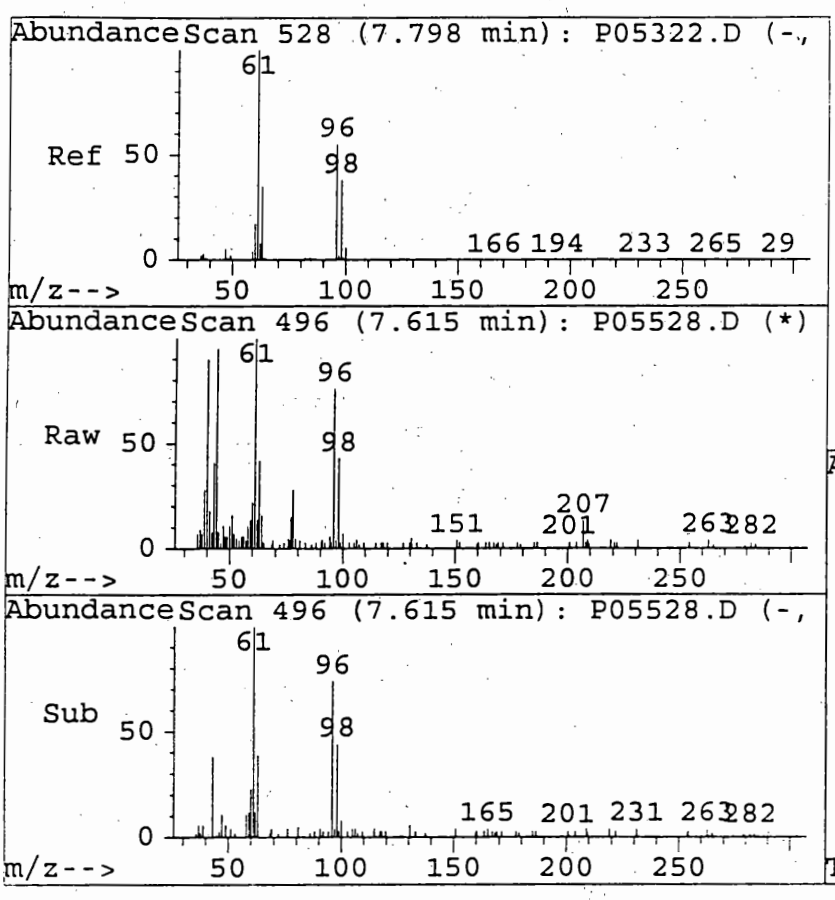
Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 29 Jan 97 18:14
Data File: S:\MS\HP#3\JAN97\P05528.D
Name: 9702037
Misc: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Method: CLPW
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~Trichloroethylene~~	13.05	1396.0	UG/L	22090141	ISTD02	12.44	791193	50.0
Cyclotetrasiloxane,	18.52	16.0	UG/L	292379	ISTD03	17.70	915075	50.0

2/13/97

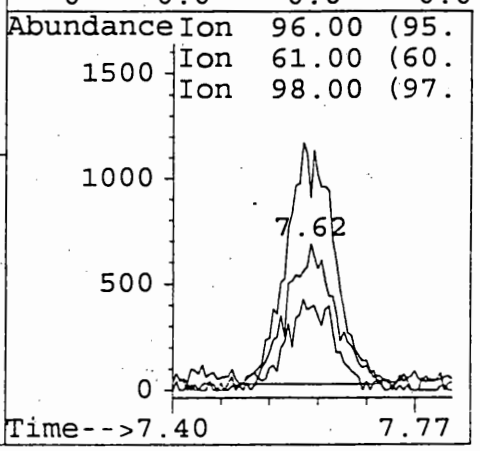
V 0100

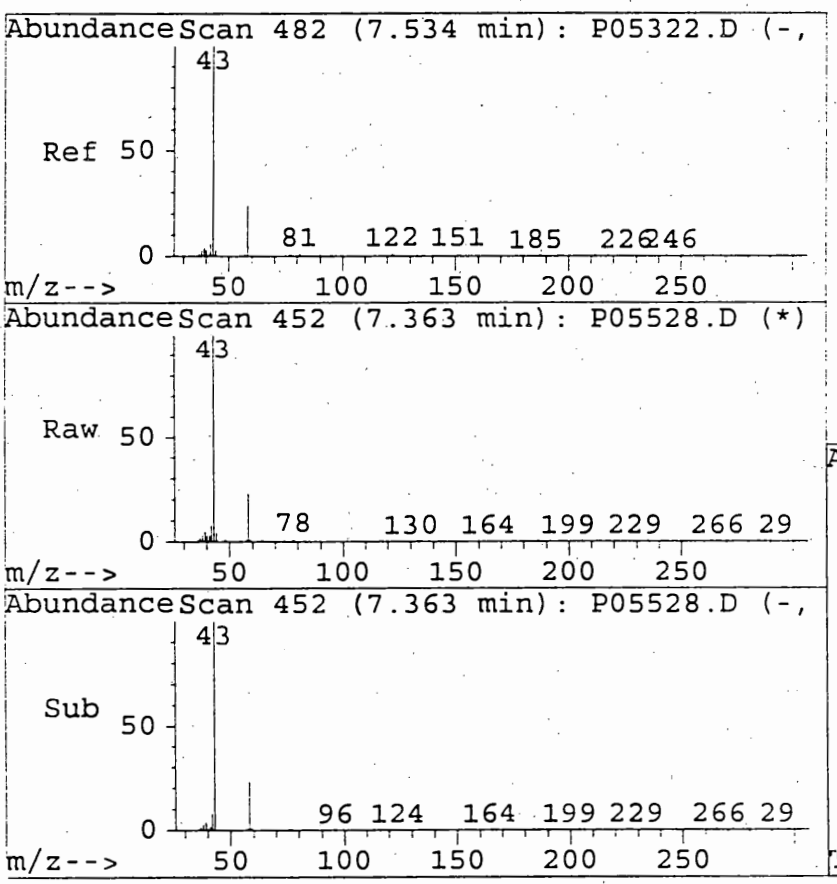


#6
1,1-Dichloroethene
Concen: 1.05 UG/L
RT: 7.62 min Scan# 496
Delta R.T. -0.04 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:96 Resp: 3400

Ion	Ratio	Lower	Upper
96	100		
61	132.7	139.2	179.2#
98	58.9	44.9	84.9
0	0.0	0.0	0.0

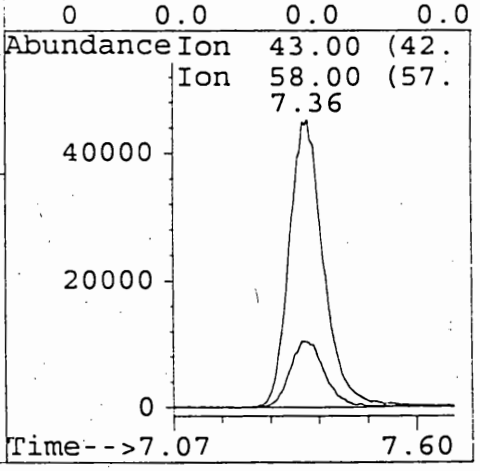




#8
Acetone
Concen: 436.36 UG/L
RT: 7.36 min Scan# 452
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

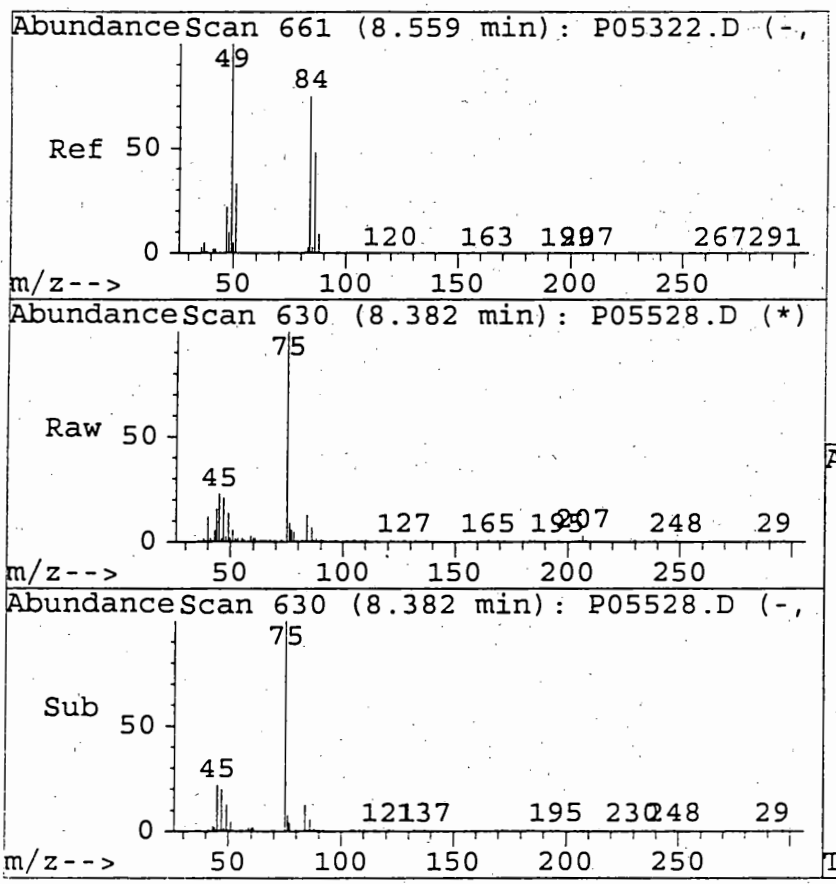
Tgt Ion:43 Resp: 235878

Ion	Ratio	Lower	Upper
43	100		
58	23.0	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:00:55 1997 JON

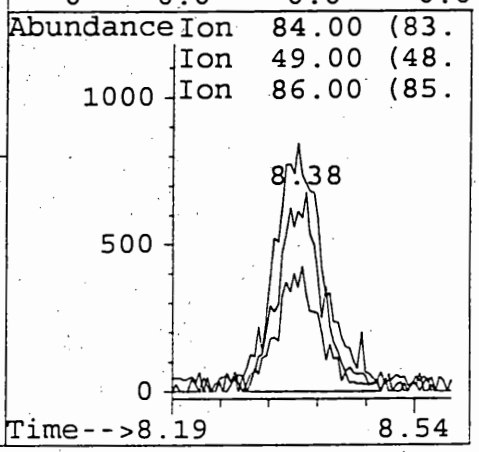
C101

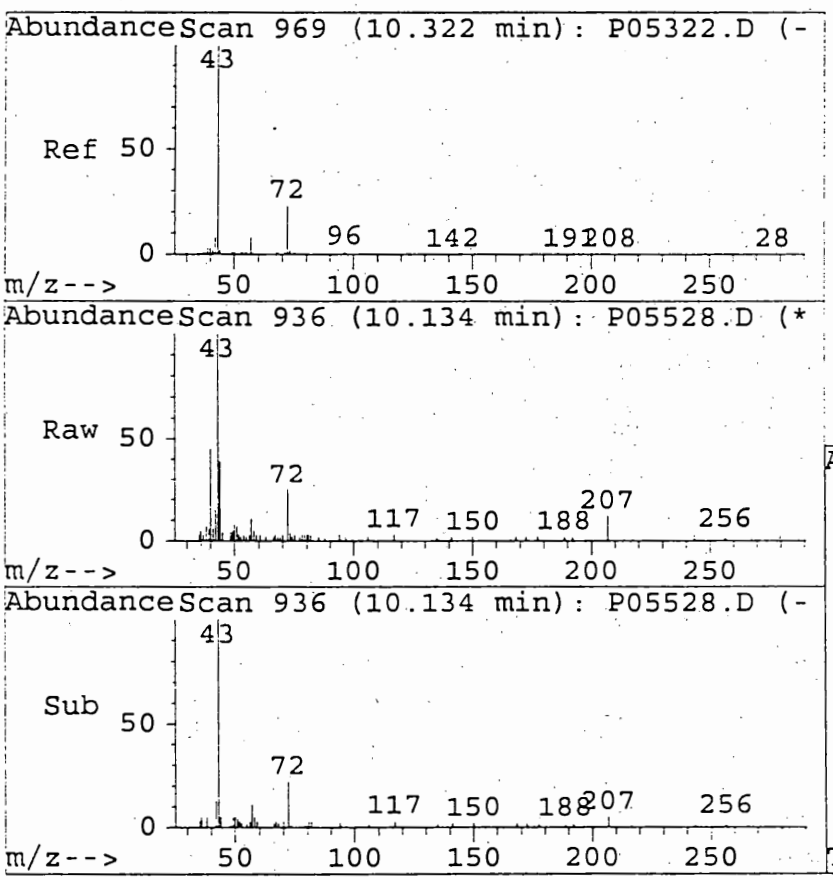


#9
Methylene Chloride
Concen: 1.07 UG/L
RT: 8.38 min Scan# 630
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:84 Resp: 2979

Ion	Ratio	Lower	Upper
84	100		
49	96.9	113.6	153.6#
86	49.6	48.1	88.1
0	0.0	0.0	0.0

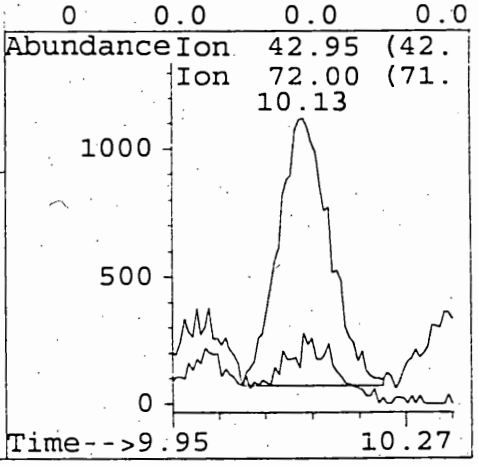




#20
2-Butanone
Concen: 9.09 UG/L
RT: 10.13 min Scan# 936
Delta R.T. -0.02 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

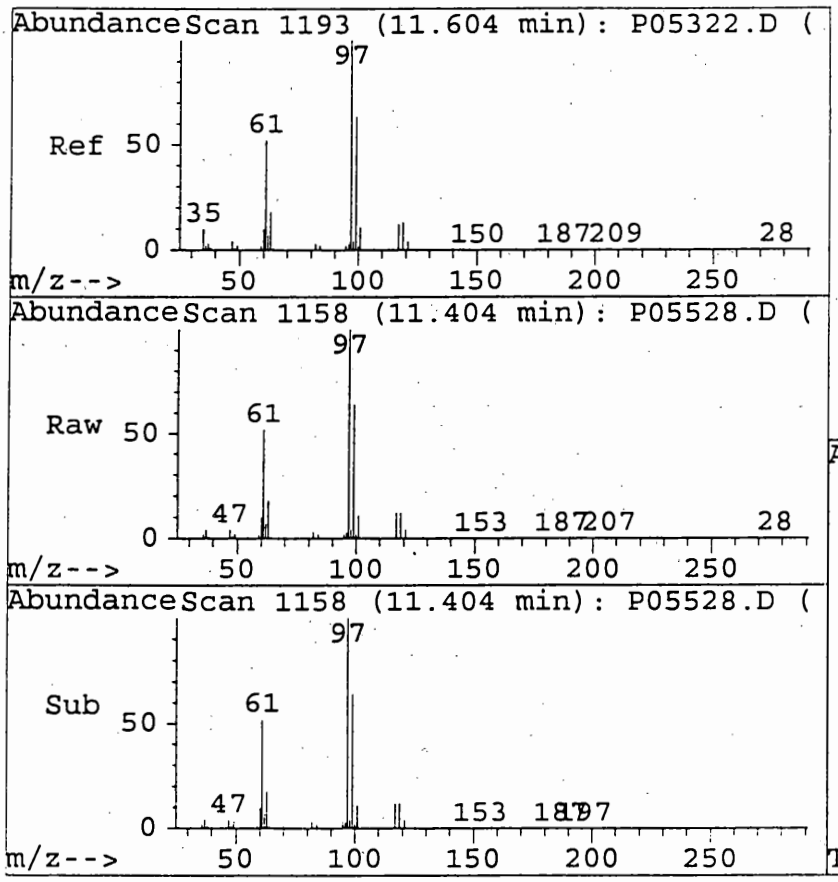
Tgt Ion:42.95 Resp: 5190

Ion	Ratio	Lower	Upper
43	100		
72	2.9	3.6	43.6#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:01:00 1997 JON

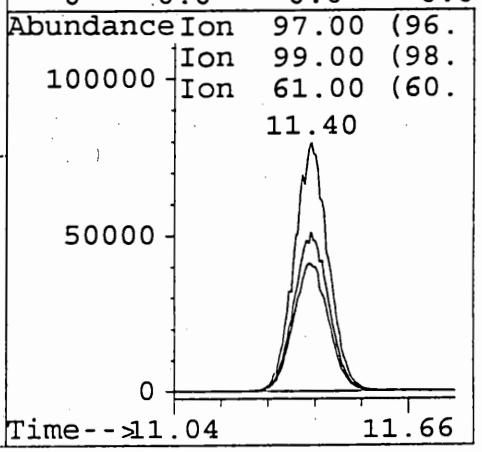
C102

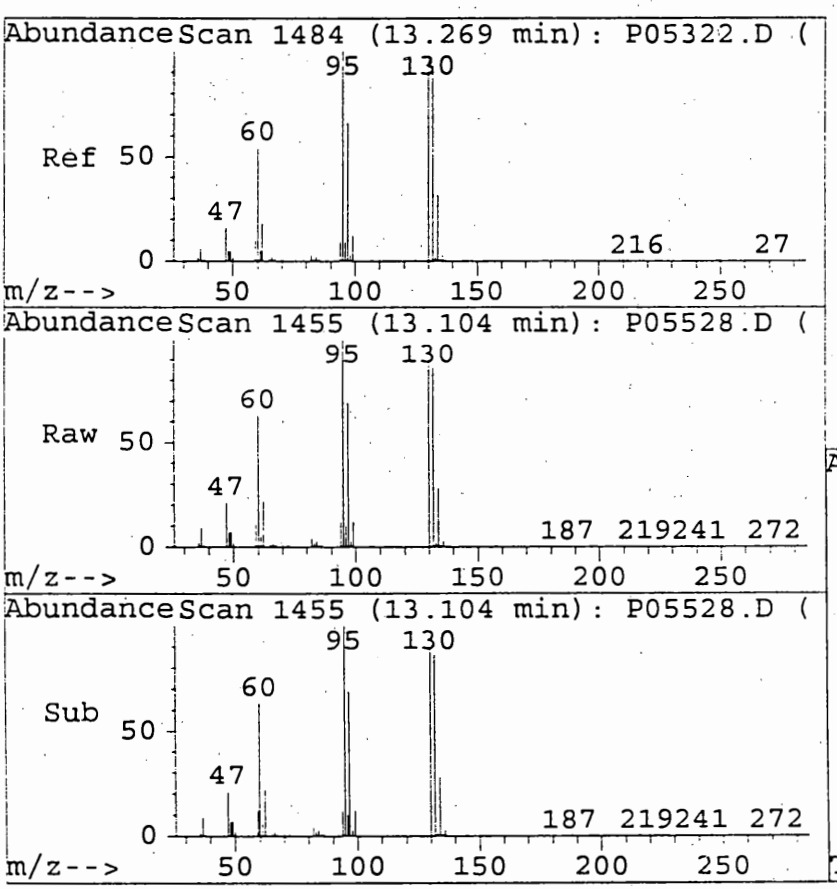


#22
1,1,1-Trichloroethane
Concen: 82.06 UG/L
RT: 11.40 min Scan# 1158
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:97 Resp: 493356

Ion	Ratio	Lower	Upper
97	100		
99	64.2	46.6	86.6
61	51.6	27.5	67.5
0	0.0	0.0	0.0

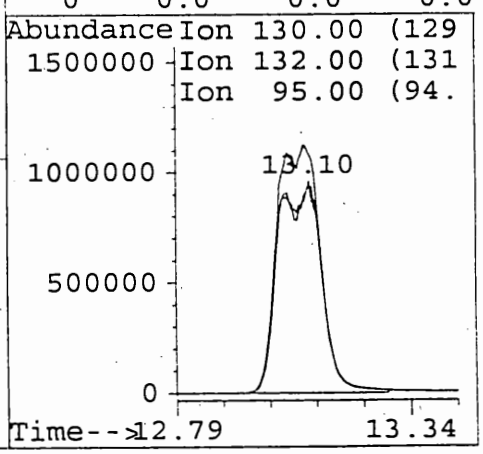




#24
Trichloroethene
Concen: 1891.08 UG/L m
RT: 13.10 min Scan# 1455
Delta R.T. 0.01 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

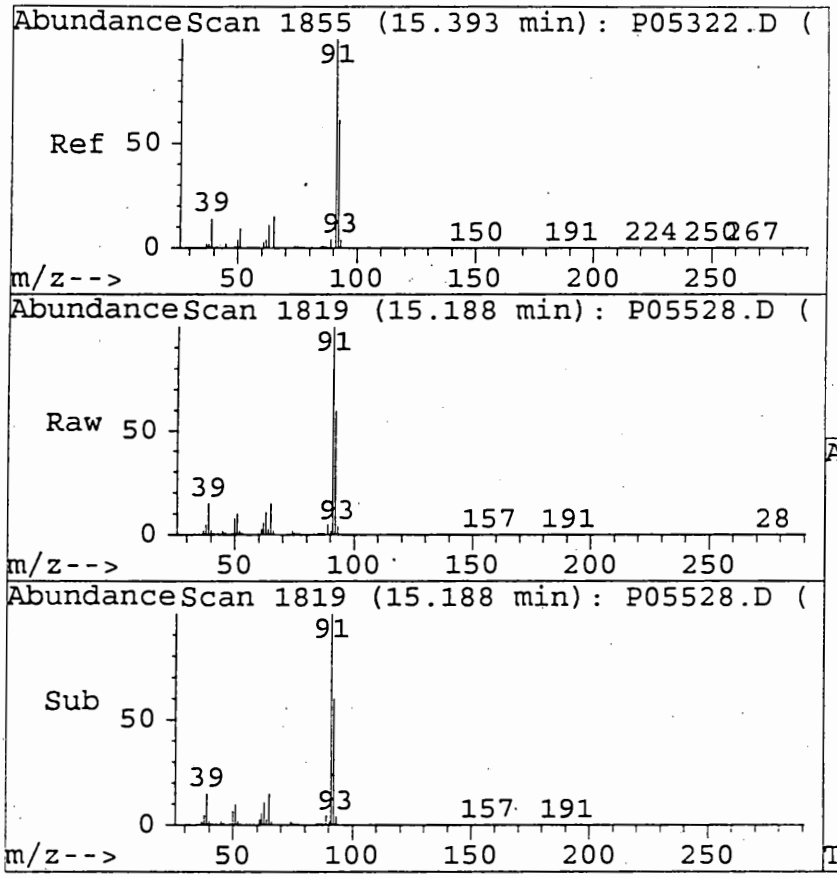
Tgt Ion:130 Resp: 6818544

Ion	Ratio	Lower	Upper
130	100		
132	97.6	82.0	122.0
95	112.9	80.0	120.0
0	0.0	0.0	0.0



Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:01:04 1997 JON

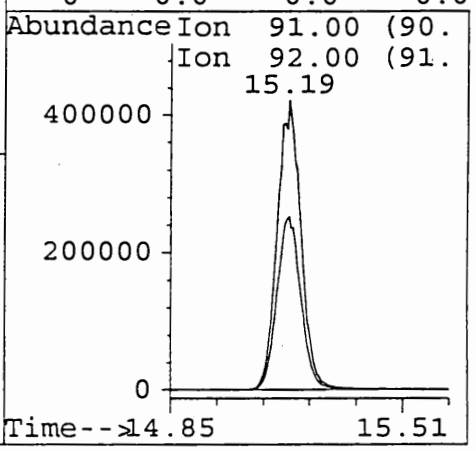
V 0103

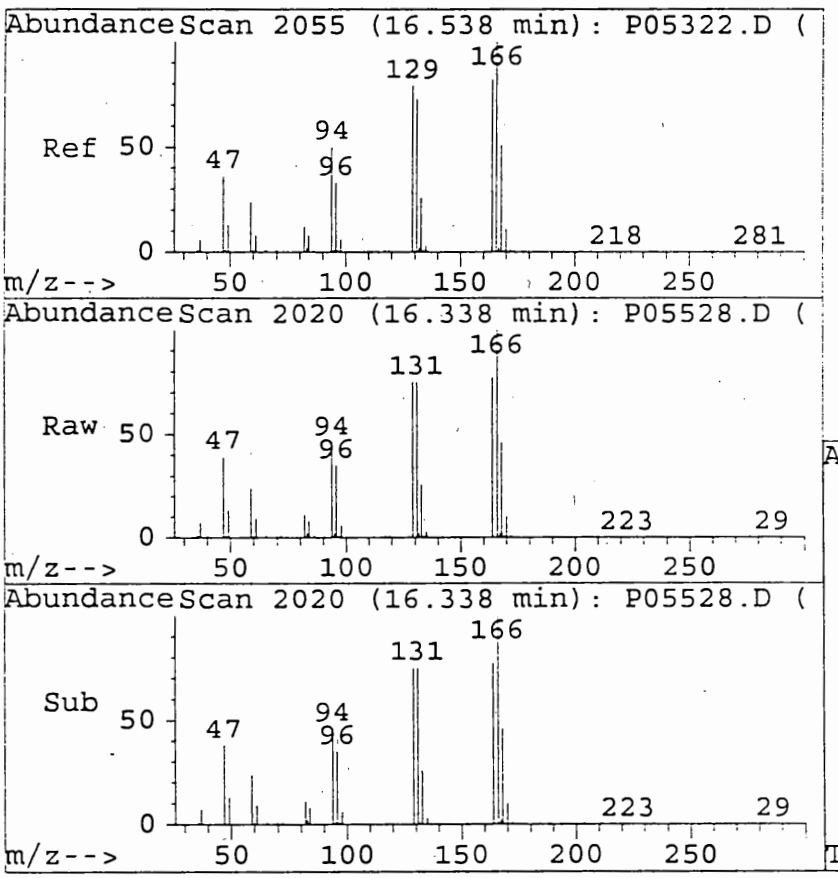


#36
Toluene
Concen: 311.71 UG/L
RT: 15.19 min Scan# 1819
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:91 Resp: 1978680

Ion	Ratio	Lower	Upper
91	100		
92	59.7	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

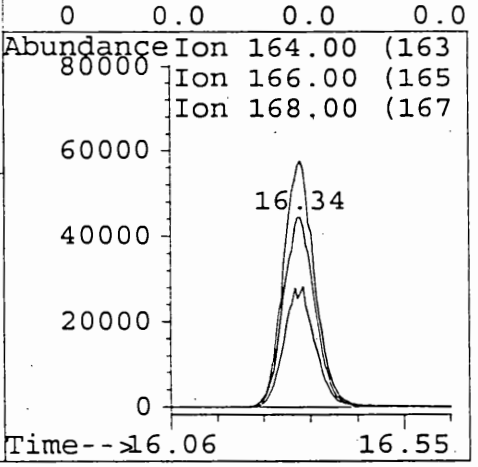




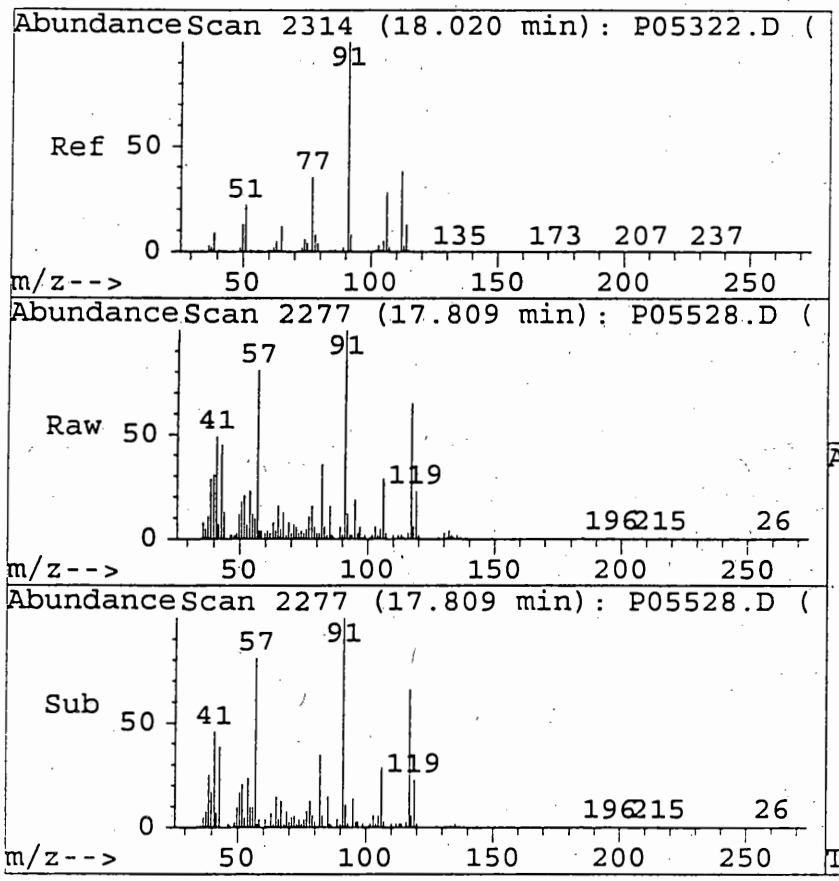
#37
Tetrachloroethene
Concen: 55.97 UG/L
RT: 16.34 min Scan# 2020
Delta R.T. -0.02 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:164 Resp: 206741

Ion	Ratio	Lower	Upper
164	100		
166	129.5	109.5	149.5
168	59.7	42.4	82.4
0	0.0	0.0	0.0



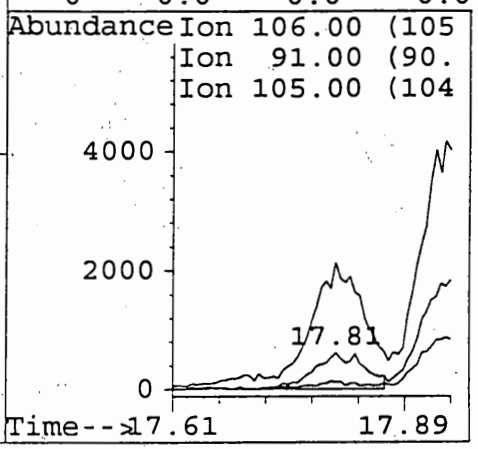
Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:01:10 1997 JON

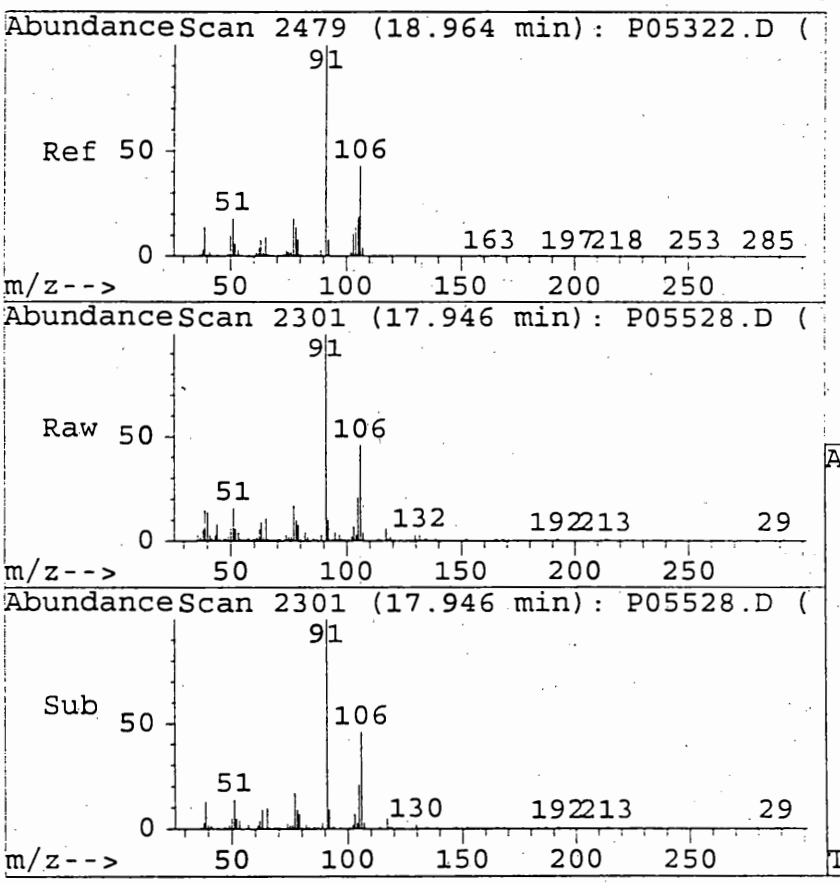


#40
Ethylbenzene
Concen: 1.12 UG/L m
RT: 17.81 min Scan# 2277
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:106 Resp: 2538

Ion	Ratio	Lower	Upper
106	100		
91	347.8	288.9	328.9#
105	19.0	0.0	36.5
0	0.0	0.0	0.0

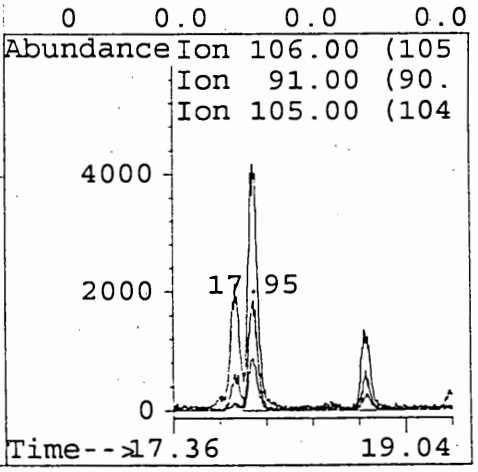




#41
Xylene (total)
Concen: 4.29 UG/L m
RT: 17.95 min Scan# 2301
Delta R.T. -0.83 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

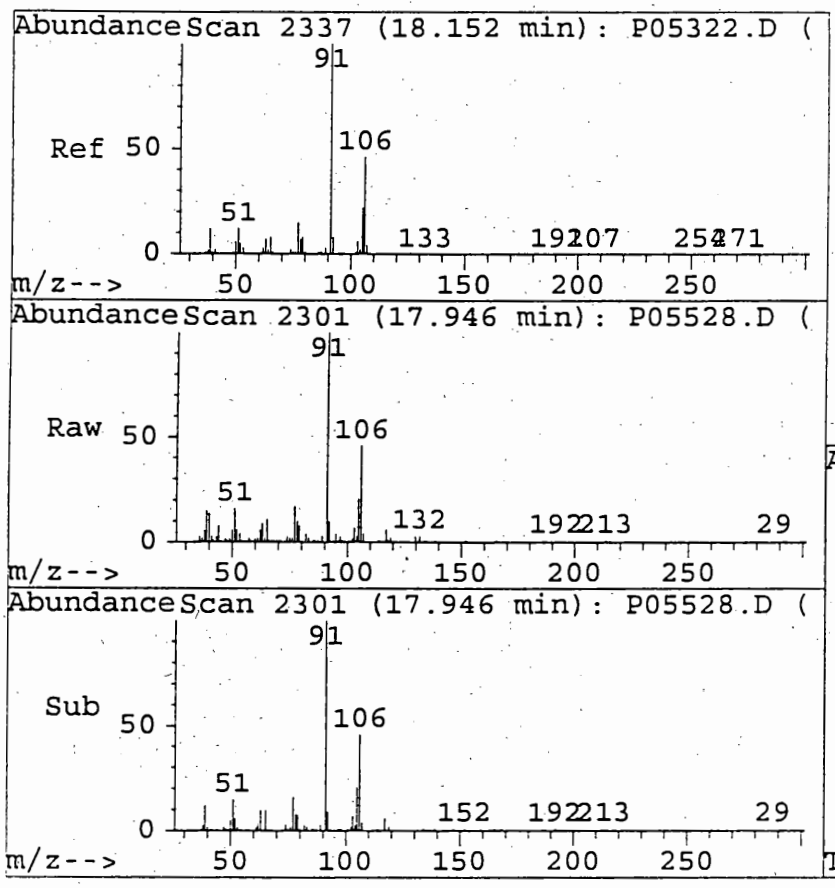
Tgt Ion:106 Resp: 11319

Ion	Ratio	Lower	Upper
106	100		
91	218.2	194.5	234.5
105	45.7	22.1	62.1
0	0.0	0.0	0.0



Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:01:15 1997 JON

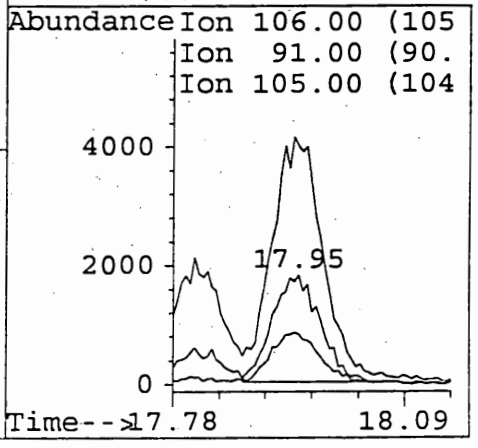
C105



#44
m/p-Xylene
Concen: 2.87 UG/L
RT: 17.95 min Scan# 2301
Delta R.T. -0.03 min
Lab File: P05528.D
Acq: 29 Jan 97 6:14 pm

Tgt Ion:106 Resp: 7797

Ion	Ratio	Lower	Upper
106	100		
91	212.0	188.9	228.9
105	45.2	27.5	67.5
0	0.0	0.0	0.0



Sample Name: 9702037
Misc. Info: B60220 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05528.D CLPW.M Wed Feb 12 16:01:17 1997 JON

C106

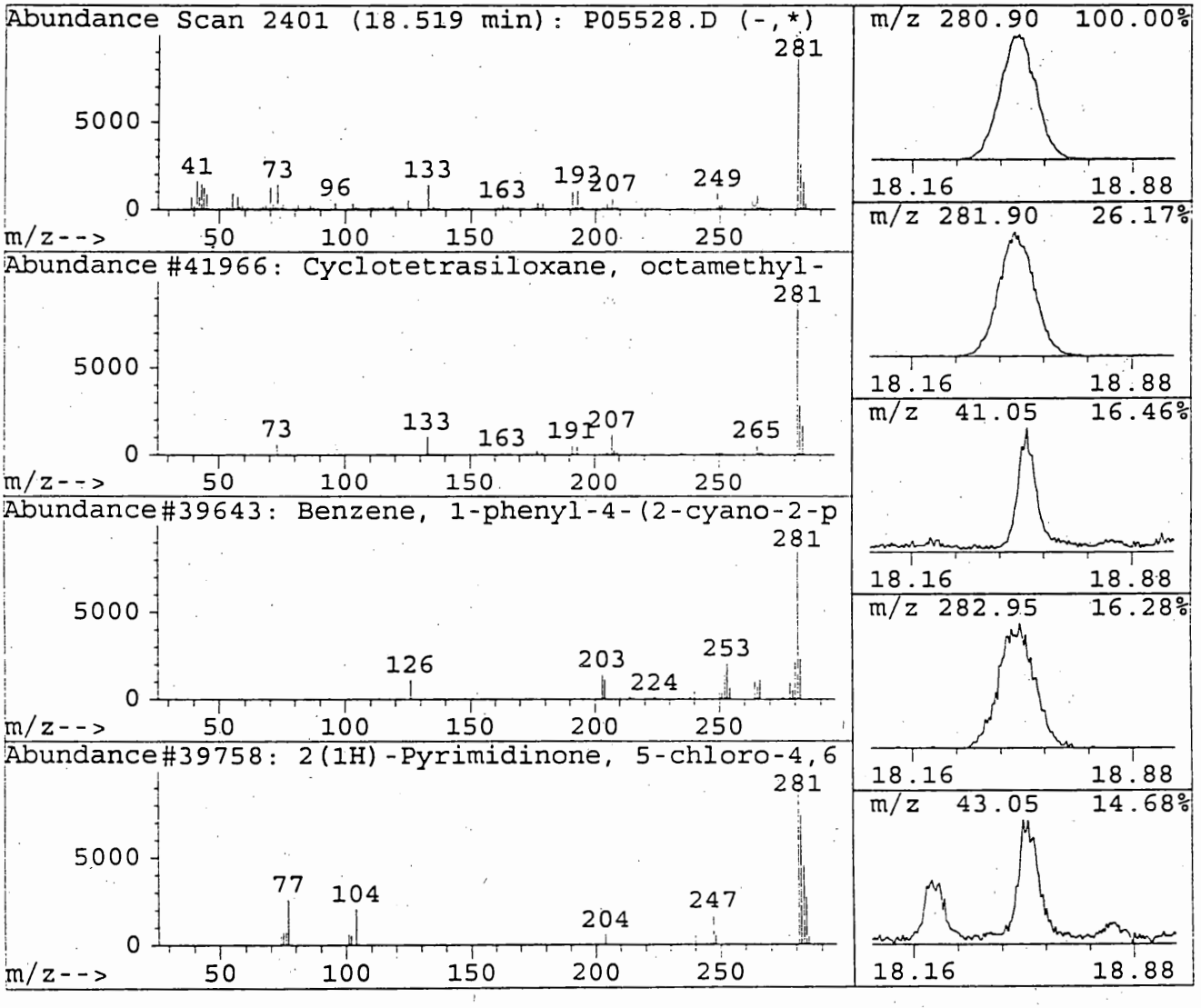
Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05528.D Vial: 10
Acq On : 29 Jan 97 18:14 Operator: GLENN
Sample : 9702037 Inst : 5970 - In
Misc : B60220 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.52	15.98 UG/L	292379	Chlorobenzene-d5	17.70

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	35
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	25
3	2(1H)-Pyrimidinone, 5-chloro-4,6-di	282	C16H11ClN2O	028567-83-1	9
4	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	9
5	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5



C107

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

B60220DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037DL 1:2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05540.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl Chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene Chloride	46	JBD
67-64-1	Acetone	480	D
75-15-0	Carbon Disulfide	250	U
75-35-4	1,1-Dichloroethene	250	U
75-34-4	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	58	JD
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	64	JD
56-23-5	Carbon Tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	3900	D
71-43-2	Benzene	250	U
124-48-1	Dibromochloromethane	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-Pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	54	JD
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	320	D
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60220DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702037DL 1:2

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05540.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 25.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

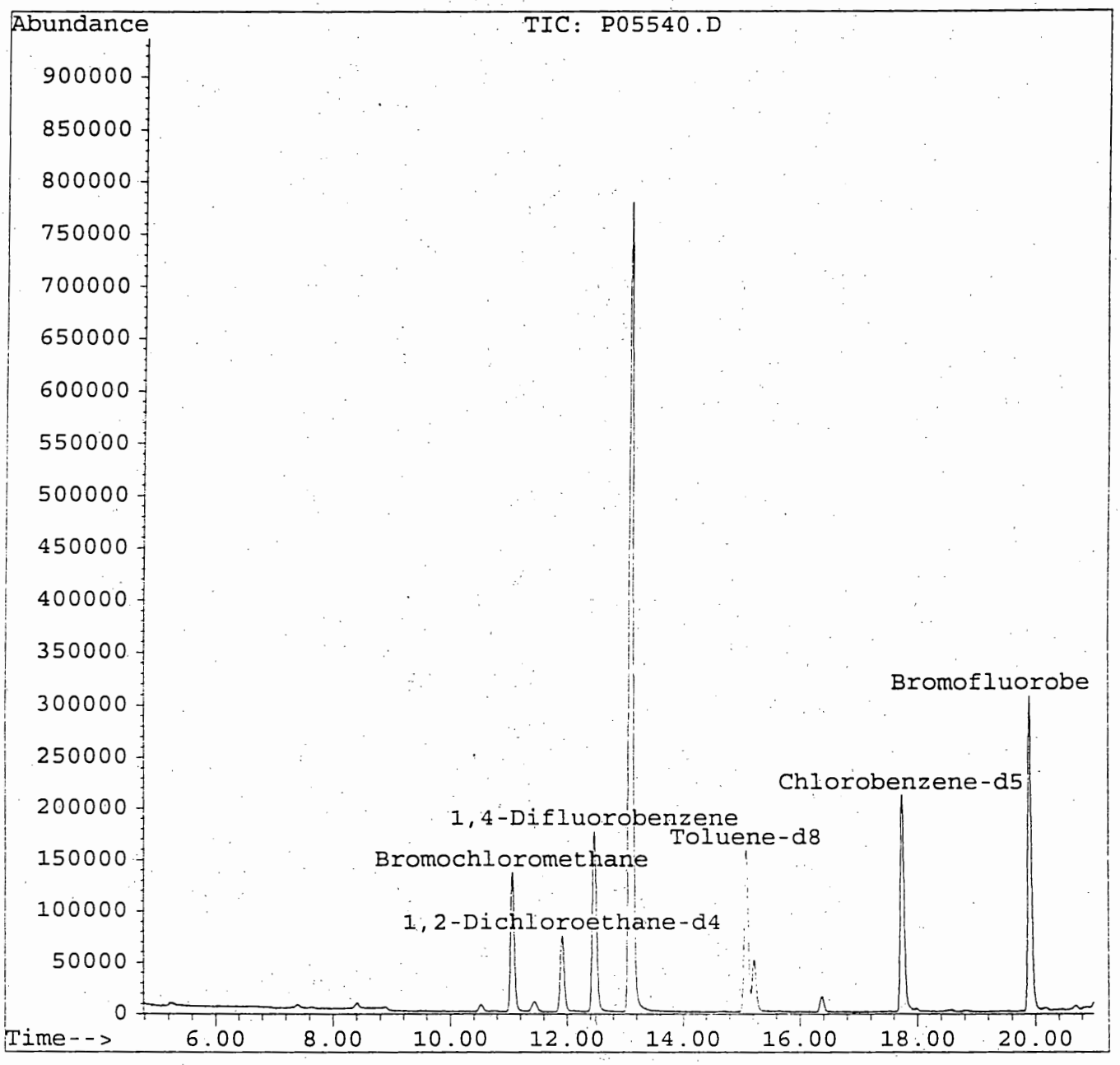
CAS NO.	COMPOUND	RT	EST. CONC.	Q

C109

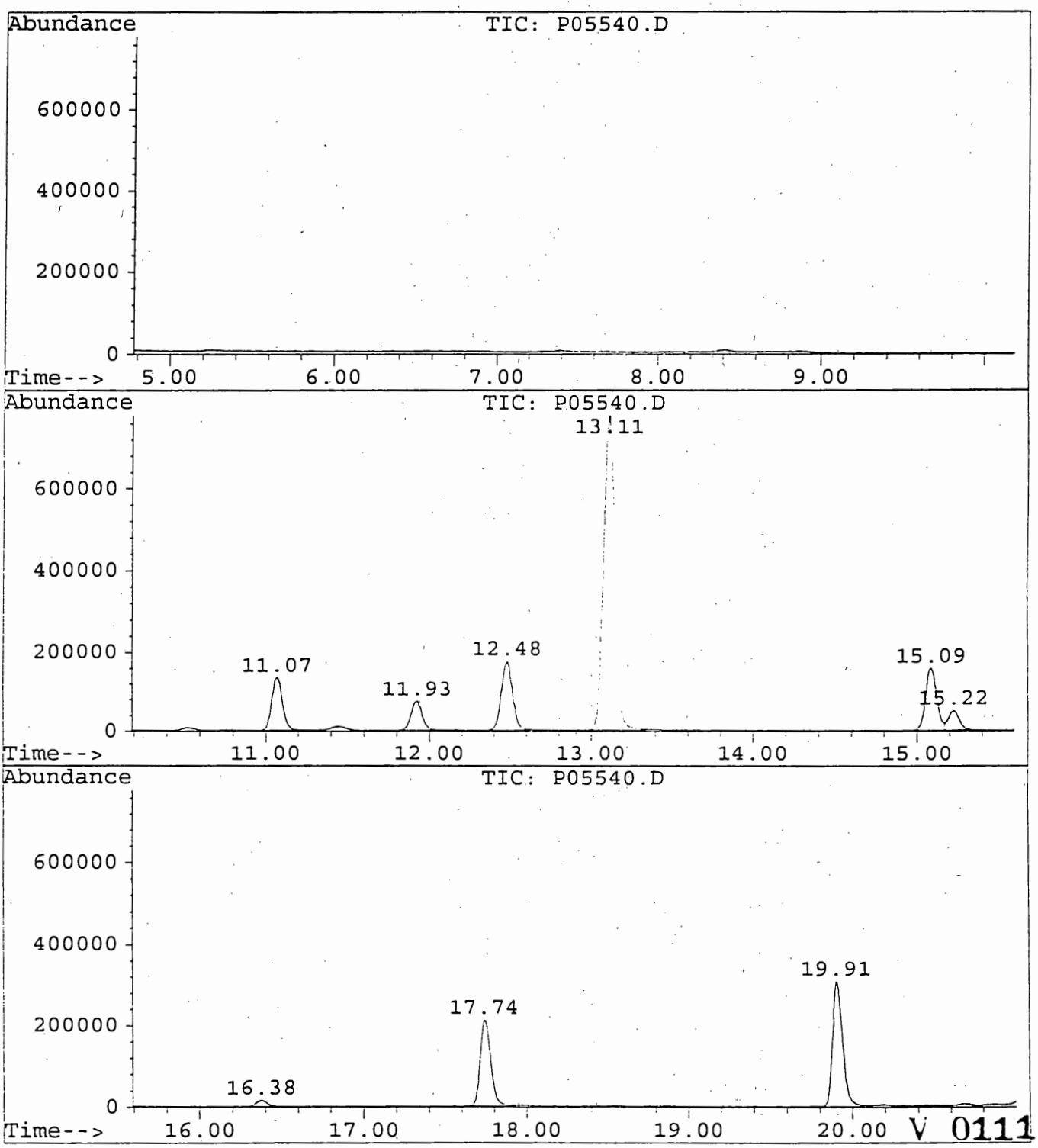
Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05540.D Vial: 4
Acq On : 30 Jan 97 1:54 pm Operator: GLENN
Sample : 9702037DL 1:25 Inst : 5970 - In
Misc : B60220DL 1:25 H5970-3 1/30/97 5.0ML Multiplr: 1.00
Quant Time: Feb 11 18:15 1997

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



File : S:\MS\HP#3\JAN97\P05540.D
Operator : GLENN
Acquired : 30 Jan 97 13:54 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702037DL 1:25
Misc Info : B60220DL 1:25 H5970-3 1/30/97 5.0ML
Vial Number: 4



V 0111

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05540.D Vial: 4
Acq On : 30 Jan 97 13:54 Operator: GLENN
Sample : 9702037DL 1:25 Inst : 5970 - In
Misc : B60220DL 1:25 H5970-3 1/30/97 5.0ML Multiplr: 1.00
Quant Time: Feb 13 17:02 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 30 12:38:50 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05537.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.08	128	79675	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.48	114	303278	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.74	117	259232	50.00	UG/L	-0.02
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	11.93	65	131846	51.72	UG/L	103.44%
34) Toluene-d8	15.09	98	256033	48.83	UG/L	97.65%
43) Bromofluorobenzene	19.91	95	255084	49.93	UG/L	99.86%
Target Compounds						Qvalue
8) Acetone	7.39	43	11471	19.22	UG/L	89
9) Methylene Chloride	8.41	84	5294	1.83	UG/L	89
14) cis-,1,2-Dichloroethene	10.52	96	7154	2.27	UG/L	89
15) 1,2-Dichloroethene (total)	10.52	96	7730m	2.34	UG/L	76
22) 1,1,1-Trichloroethane	11.45	97	18352	2.56	UG/L	97
24) Trichloroethene	13.11	130	582695	154.23	UG/L	94
36) Toluene	15.22	91	82619	12.64	UG/L	94
37) Tetrachloroethene	16.36	164	8447	2.17	UG/L	93

2/13/97

(#) = qualifier out of range (m) = manual integration

V 0112

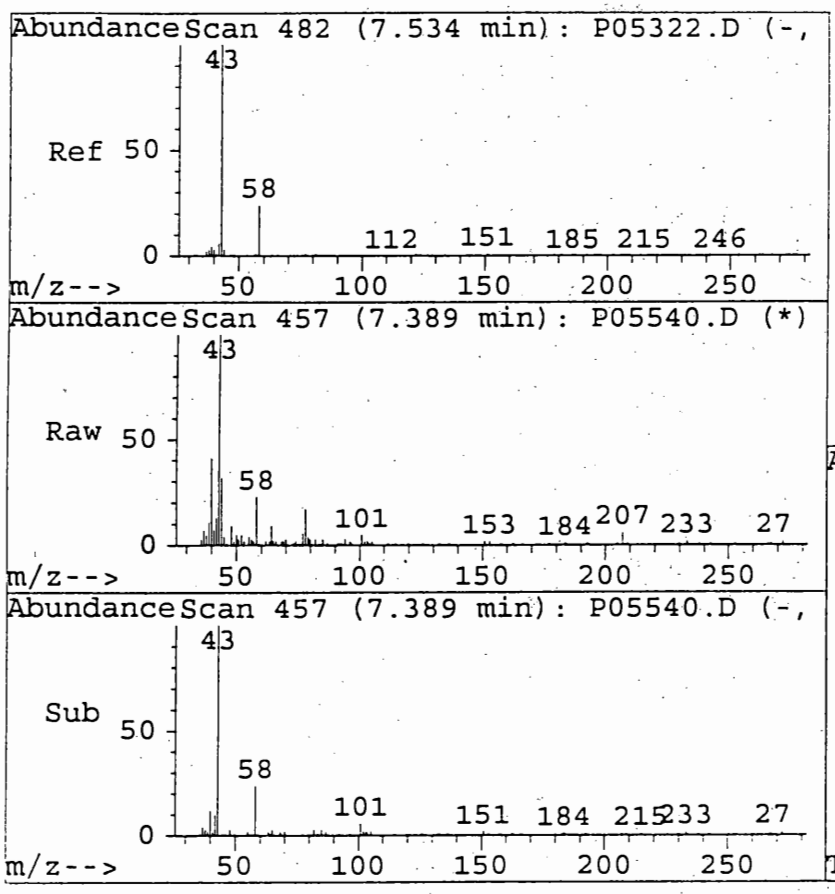
Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05540.D Vial: 4
Acq On : 30 Jan 97 13:54 Operator: GLENN
Sample : 9702037DL 1:25 Inst : 5970 - In
Misc : B60220DL 1:25 H5970-3 1/30/97 5.0ML Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

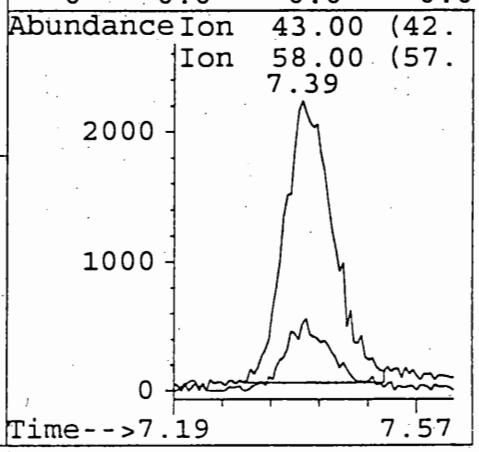
V 0113

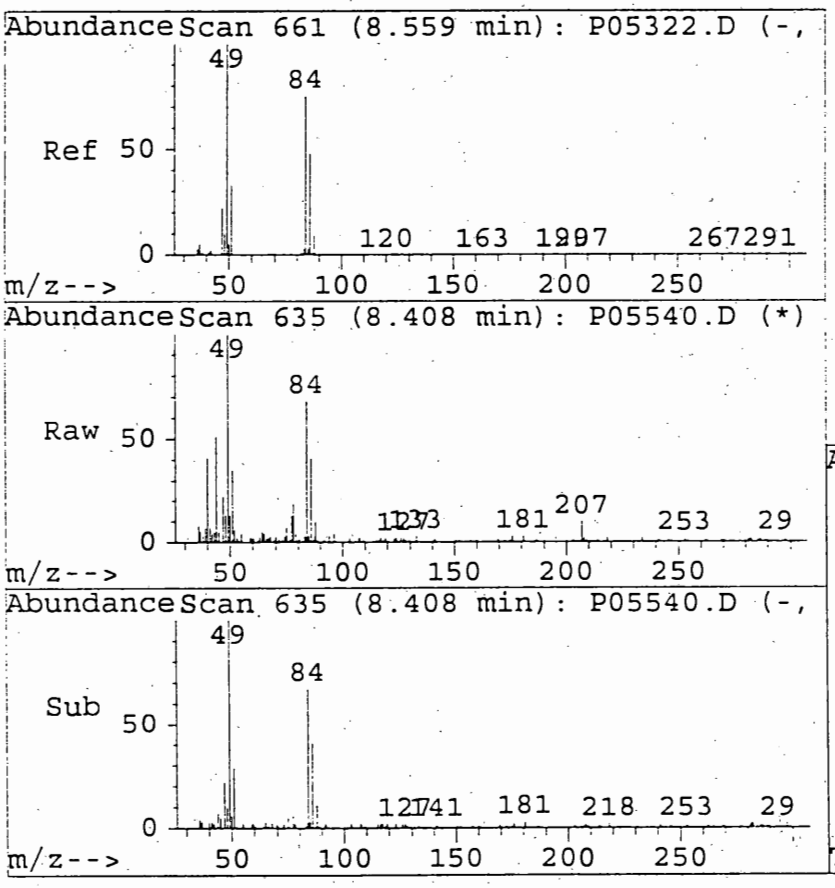


#8
Acetone
Concen: 19.22 UG/L
RT: 7.39 min Scan# 457
Delta R.T. -0.04 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:43 Resp: 11471

Ion	Ratio	Lower	Upper
43	100		
58	24.0	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

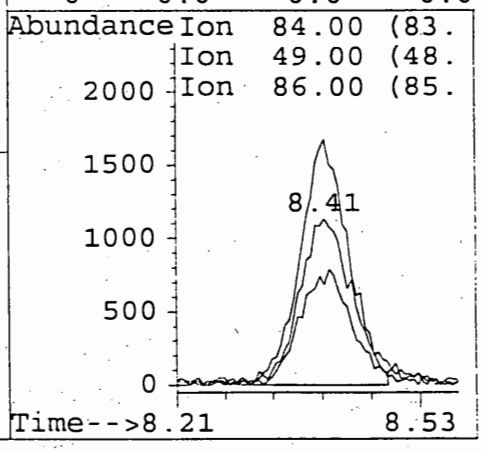




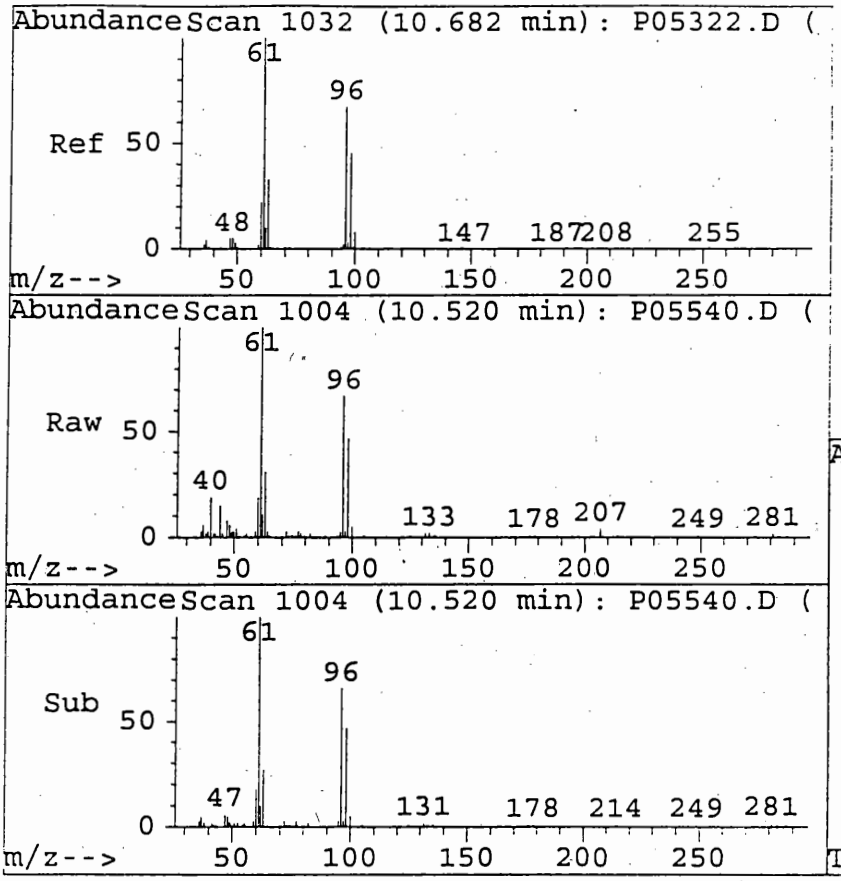
#9
Methylene Chloride
Concen: 1.83 UG/L
RT: 8.41 min Scan# 635
Delta R.T. -0.04 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:84 Resp: 5294

Ion	Ratio	Lower	Upper
84	100		
49	145.5	113.6	153.6
86	58.4	48.1	88.1
0	0.0	0.0	0.0



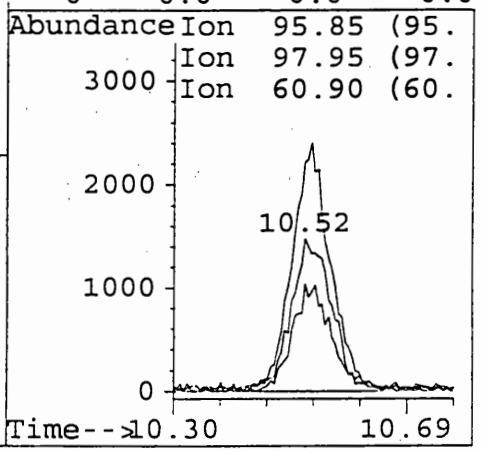
Sample Name: 9702037DL 1:25
Misc. Info: B60220DL 1:25 H5970-3 1/30/97 5.0ML
P05540.D CLPW.M Thu Feb 13 17:03:02 1997 JON

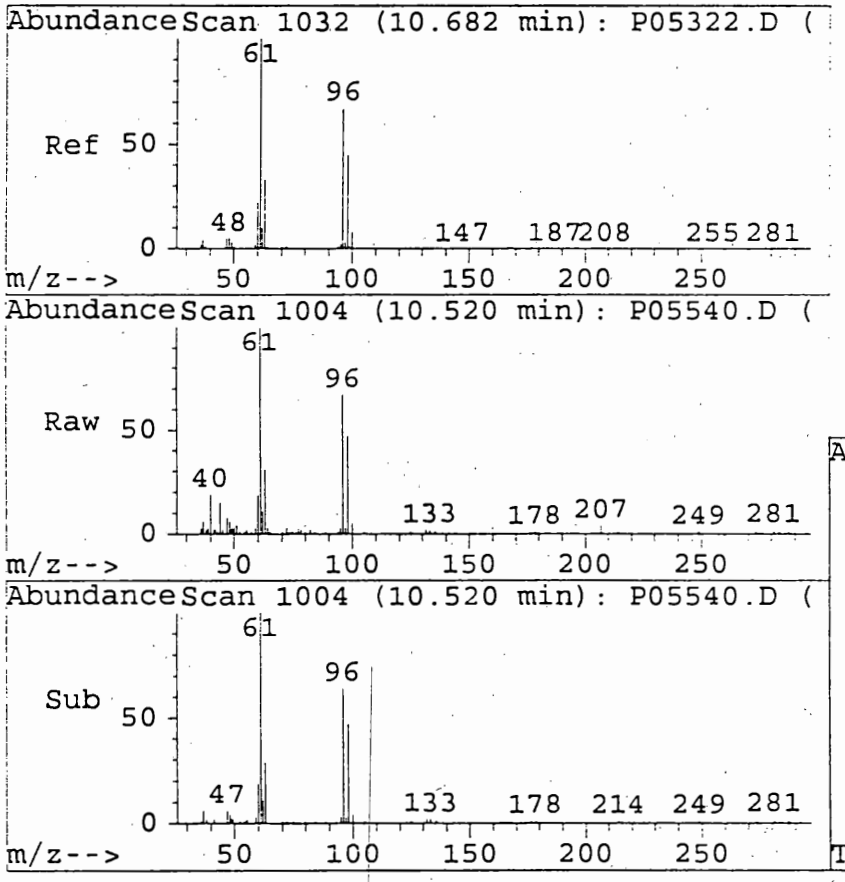


#14
cis-,1,2-Dichloroethene
Concen: 2.27 UG/L
RT: 10.52 min Scan# 1004
Delta R.T. -0.03 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:95.85 Resp: 7154

Ion	Ratio	Lower	Upper
96	100		
98	65.9	53.1	79.6
61	150.1	105.0	157.5
0	0.0	0.0	0.0

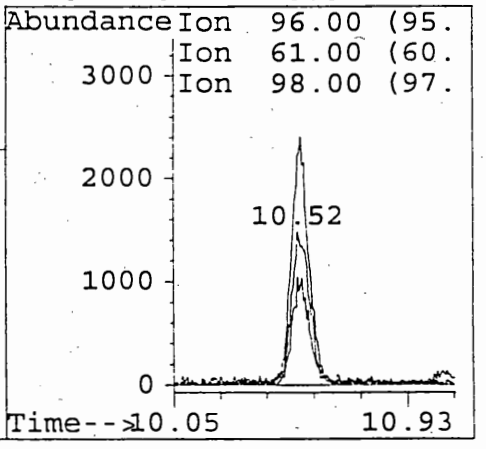




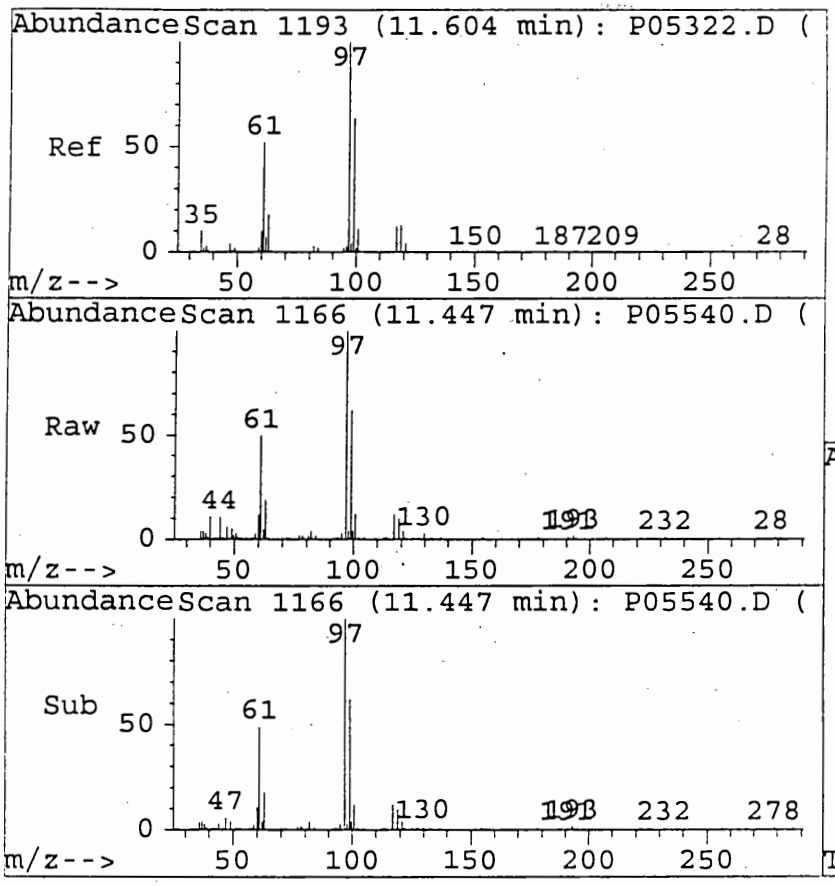
#15
1,2-Dichloroethene (total)
Concen: 2.34 UG/L m
RT: 10.52 min Scan# 1004
Delta R.T. 1.59 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:96 Resp: 7730

Ion	Ratio	Lower	Upper
96	100		
61	150.3	111.6	151.6
98	70.4	44.6	84.6
0	0.0	0.0	0.0



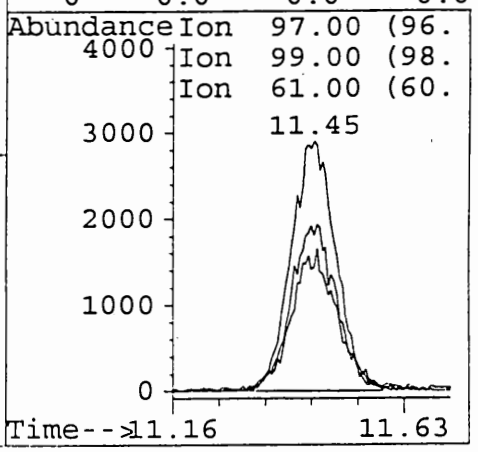
Sample Name: 9702037DL 1:25
Misc. Info: B60220DL 1:25 H5970-3 1/30/97 5.0ML
P05540.D CLPW.M Thu Feb 13 17:03:09 1997 JON

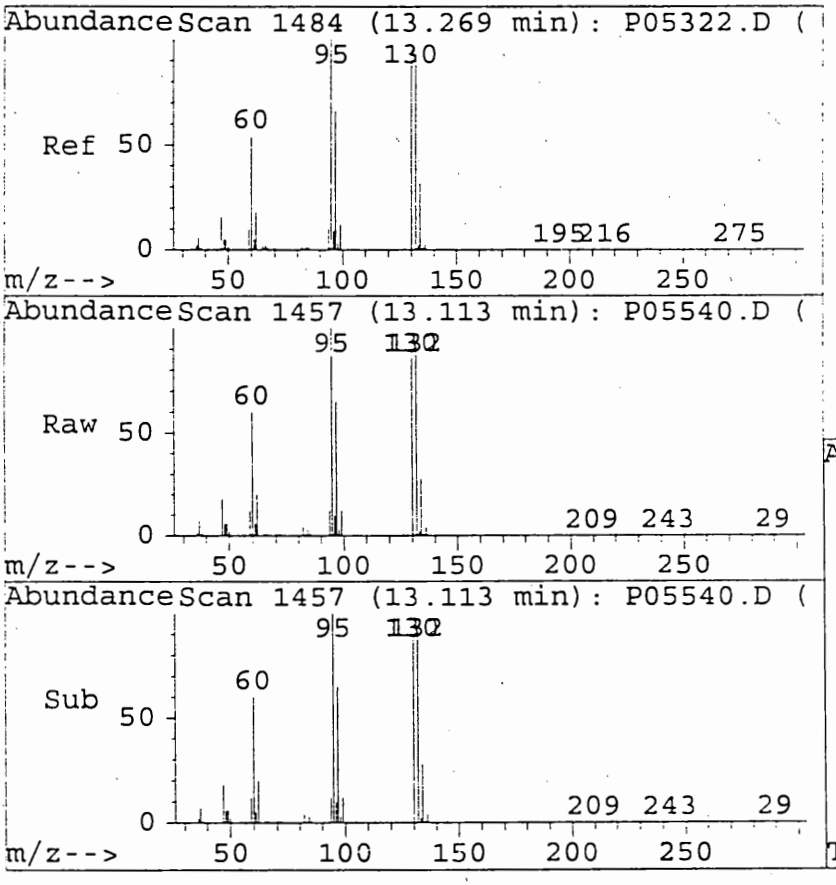


#22
1,1,1-Trichloroethane
Concen: 2.56 UG/L
RT: 11.45 min Scan# 1166
Delta R.T. -0.01 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:97 Resp: 18352

Ion	Ratio	Lower	Upper
97	100		
99	62.4	46.6	86.6
61	48.1	27.5	67.5
0	0.0	0.0	0.0

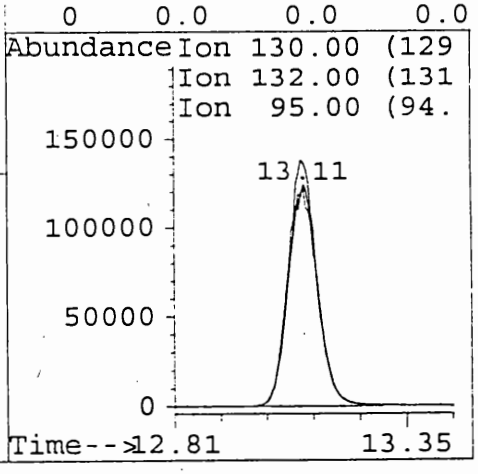




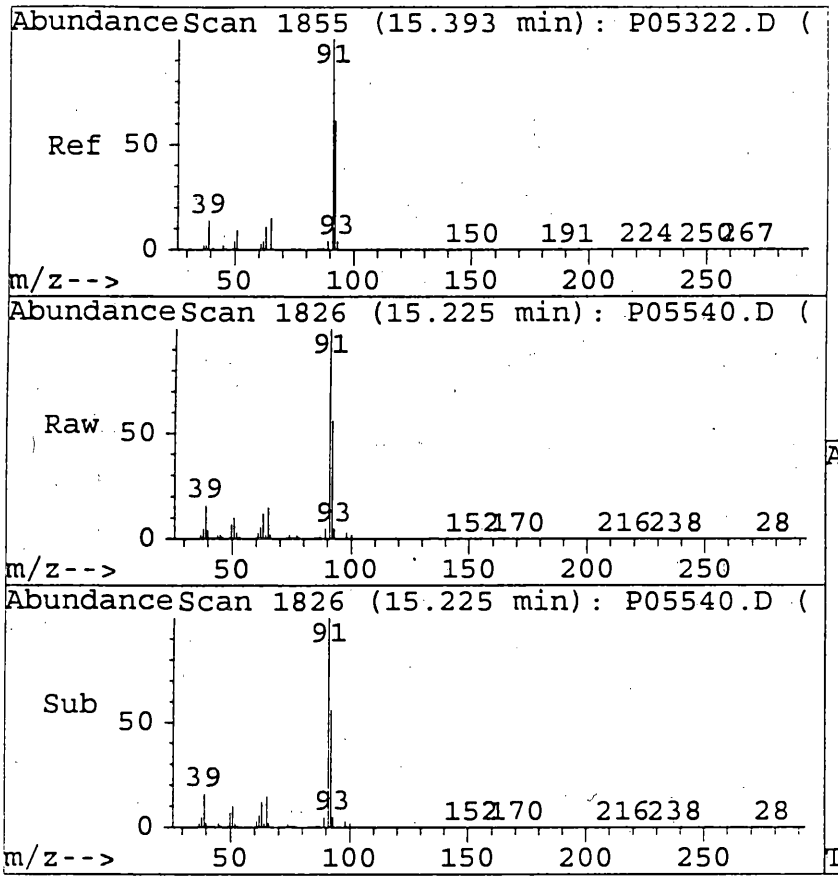
#24
Trichloroethene
Concen: 154.23 UG/L
RT: 13.11 min Scan# 1457
Delta R.T. -0.00 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:130 Resp: 582695

Ion	Ratio	Lower	Upper
130	100		
132	101.4	82.0	122.0
95	111.4	80.0	120.0
0	0.0	0.0	0.0



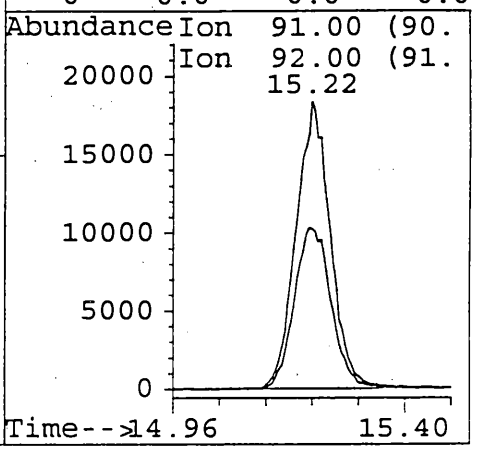
Sample Name: 9702037DL 1:25
Misc. Info: B60220DL 1:25 H5970-3 1/30/97 5.0ML
P05540.D CLPW.M Thu Feb 13 17:03:16 1997 JON

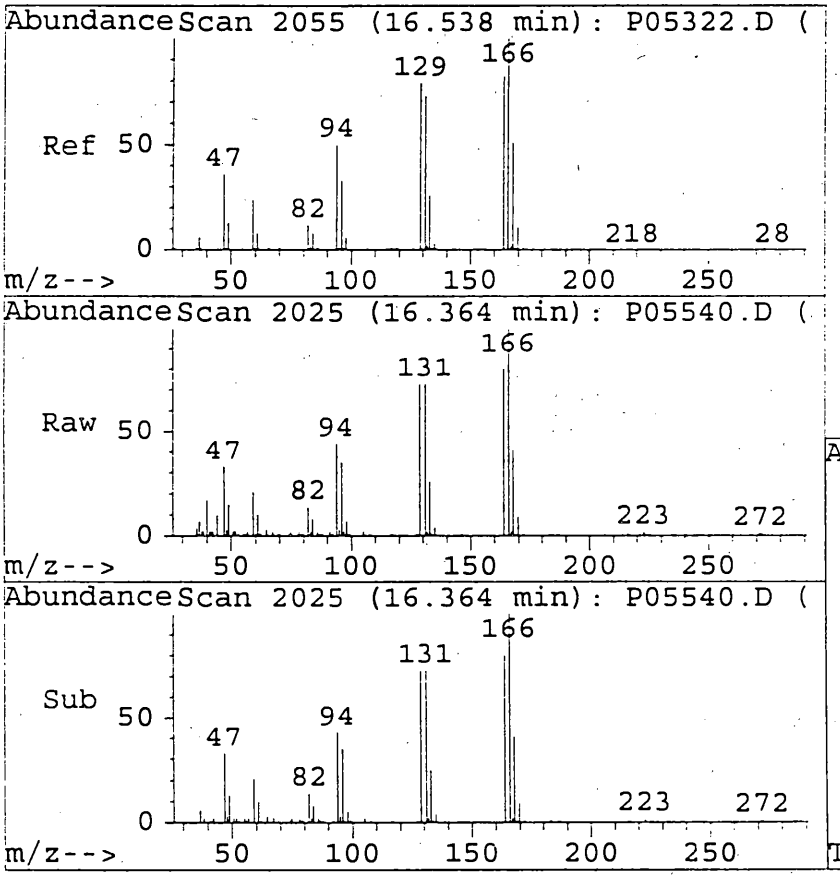


#36
Toluene
Concen: 12.64 UG/L
RT: 15.22 min Scan# 1826
Delta R.T. -0.00 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:91 Resp: 82619

Ion	Ratio	Lower	Upper
91	100		
92	55.6	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

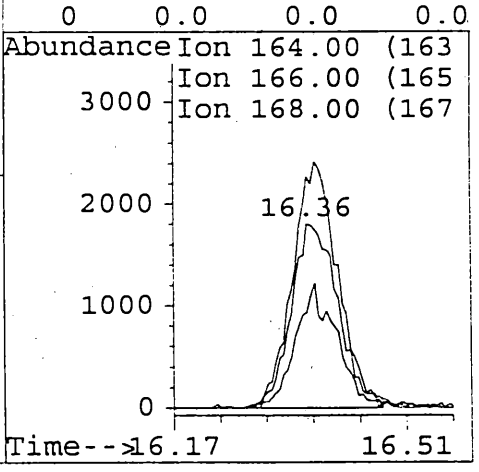




#37
Tetrachloroethene
Concen: 2.17 UG/L
RT: 16.36 min Scan# 2025
Delta R.T. -0.03 min
Lab File: P05540.D
Acq: 30 Jan 97 1:54 pm

Tgt Ion:164 Resp: 8447

Ion	Ratio	Lower	Upper
164	100		
166	125.5	109.5	149.5
168	51.5	42.4	82.4
0	0.0	0.0	0.0



Sample Name: 9702037DL 1:25
Misc. Info: B60220DL 1:25 H5970-3 1/30/97 5.0ML
P05540.D CLPW.M Thu Feb 13 17:03:24 1997 JON

V C117

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60221

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

A66P-02 (66'-70')

Matrix: (soil/water) WATER Lab Sample ID: 9702038

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05530.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	J
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	4	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	17	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	500	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	17	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	37	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60221

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05530.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

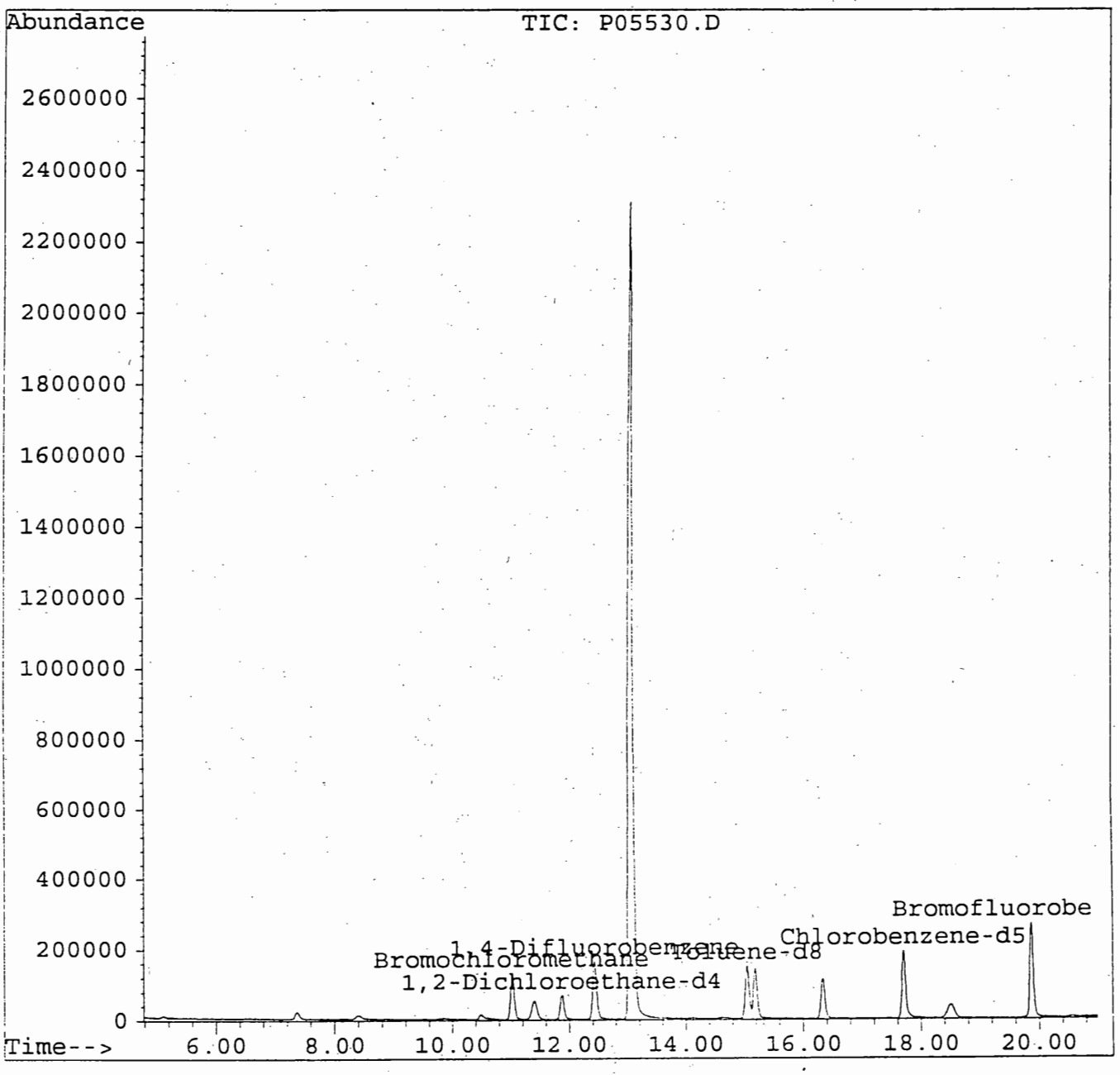
Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	18.50	10	J

Quantitation Report

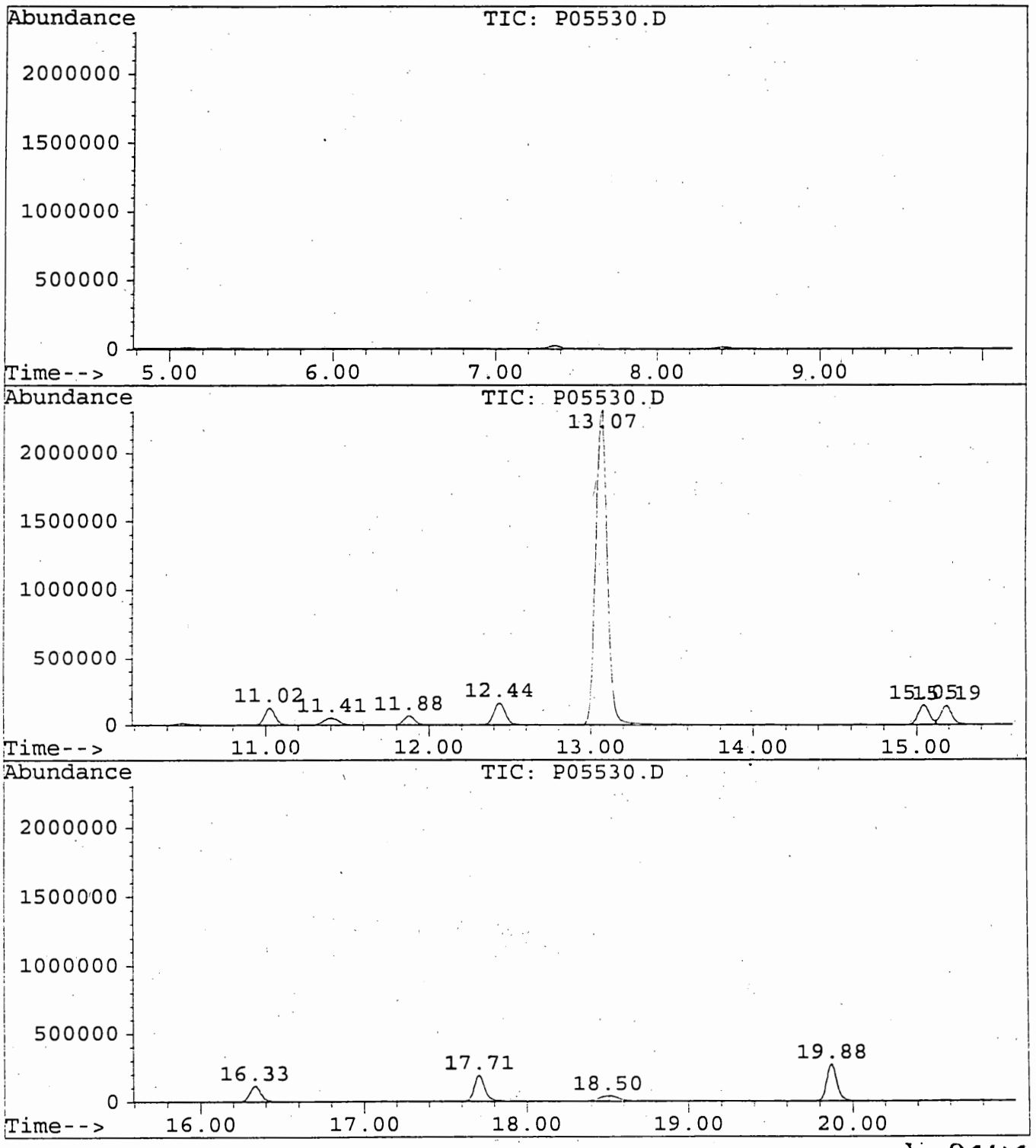
Data File : S:\MS\HP#3\JAN97\P05530.D Vial: 12
Acq On : 29 Jan 97 7:14 pm Operator: GLENN
Sample : 9702038 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:05 1997

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



C120

File : S:\MS\HP#3\JAN97\P05530.D
Operator : GLENN
Acquired : 29 Jan 97 19:14 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702038
Misc Info : B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Vial Number: 12



V 0121

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05530.D Vial: 12
Acq On : 29 Jan 97 19:14 Operator: GLENN
Sample : 9702038 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:05 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.02	128	75310	50.00	UG/L	-0.03
21) 1,4-Difluorobenzene	12.43	114	287337	50.00	UG/L	-0.04
33) Chlorobenzene-d5	17.70	117	237635	50.00	UG/L	-0.03
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.88	65	120293	56.71	UG/L	113.42%
34) Toluene-d8	15.05	98	236865	48.09	UG/L	96.19%
43) Bromofluorobenzene	19.87	95	230075	52.02	UG/L	104.04%
Target Compounds						**Qvalue**
8) Acetone	7.36	43	67372	127.42	UG/L	91
9) Methylene Chloride	8.37	84	3135	1.15	UG/L	90
14) cis-,1,2-Dichloroethene	10.49	96	11539	3.47	UG/L	90
15) 1,2-Dichloroethene (total)	10.49	96	12352m	3.75	UG/L	16
22) 1,1,1-Trichloroethane	11.41	97	100878	16.73	UG/L	94
24) Trichloroethene	13.07	130	1801633	498.17	UG/L	96
36) Toluene	15.19	91	239388	37.44	UG/L	100
37) Tetrachloroethene	16.33	164	64310	17.28	UG/L	95

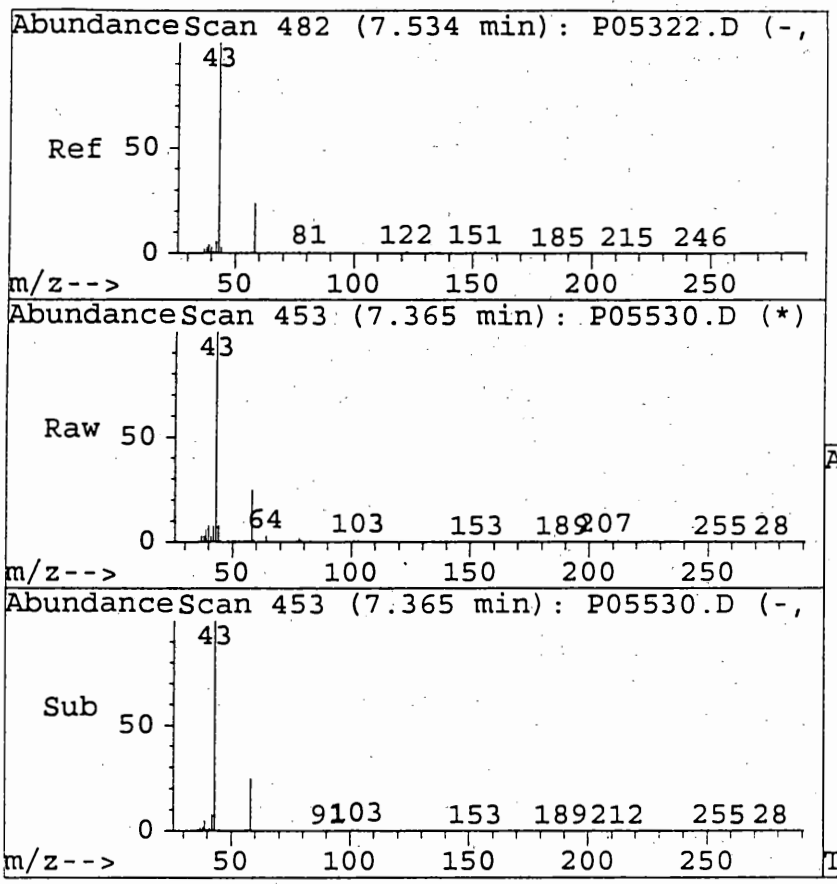
2/13/97

(#) = qualifier out of range (m) = manual integration

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 29 Jan 97 19:14
Data File: S:\MS\HP#3\JAN97\P05530.D
Name: 9702038
Misc: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Method: CLPW
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

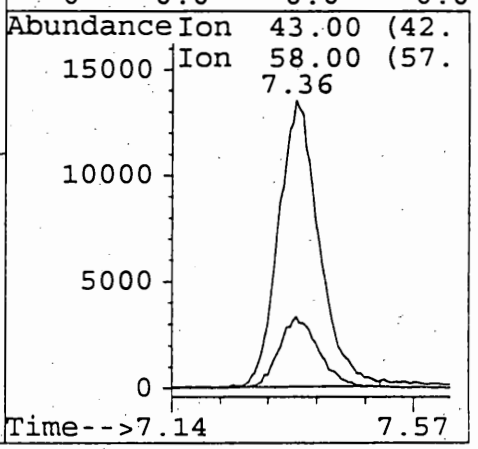
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Cyclotetrasiloxane,	18.50	9.5	UG/L	165867	ISTD03	17.70	870499	50.0

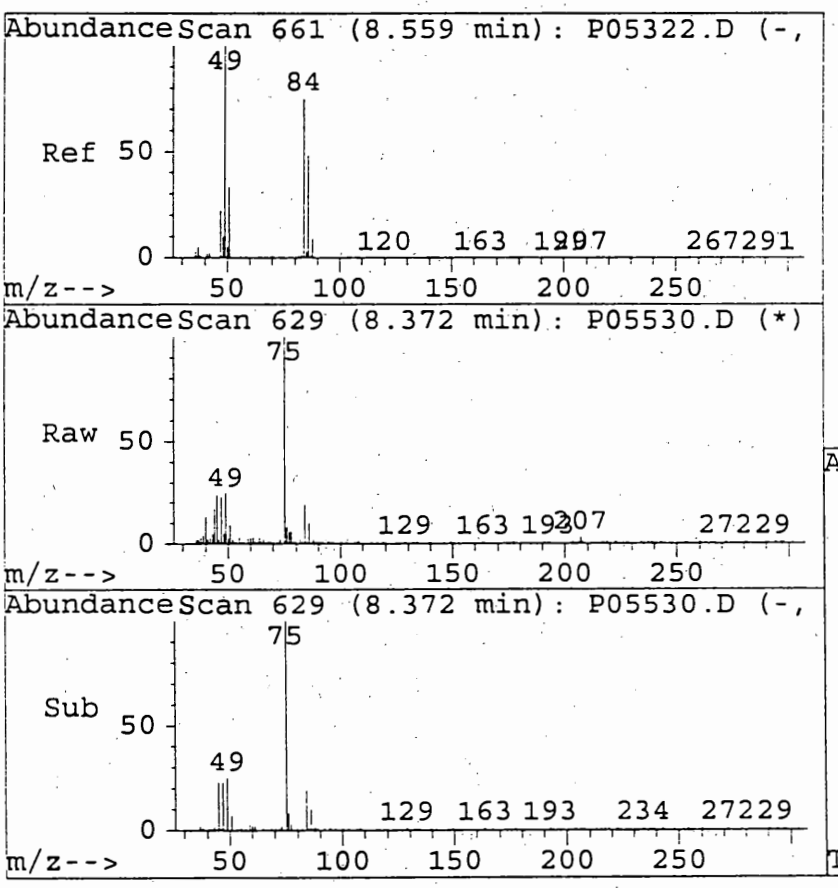


#8
Acetone
Concen: 127.42 UG/L
RT: 7.36 min Scan# 453
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:43 Resp: 67372

Ion	Ratio	Lower	Upper
43	100		
58	24.6	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

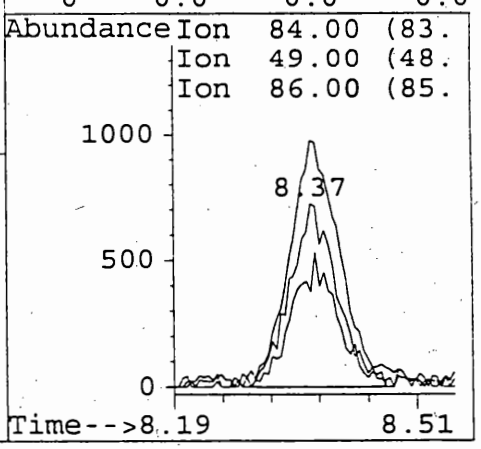




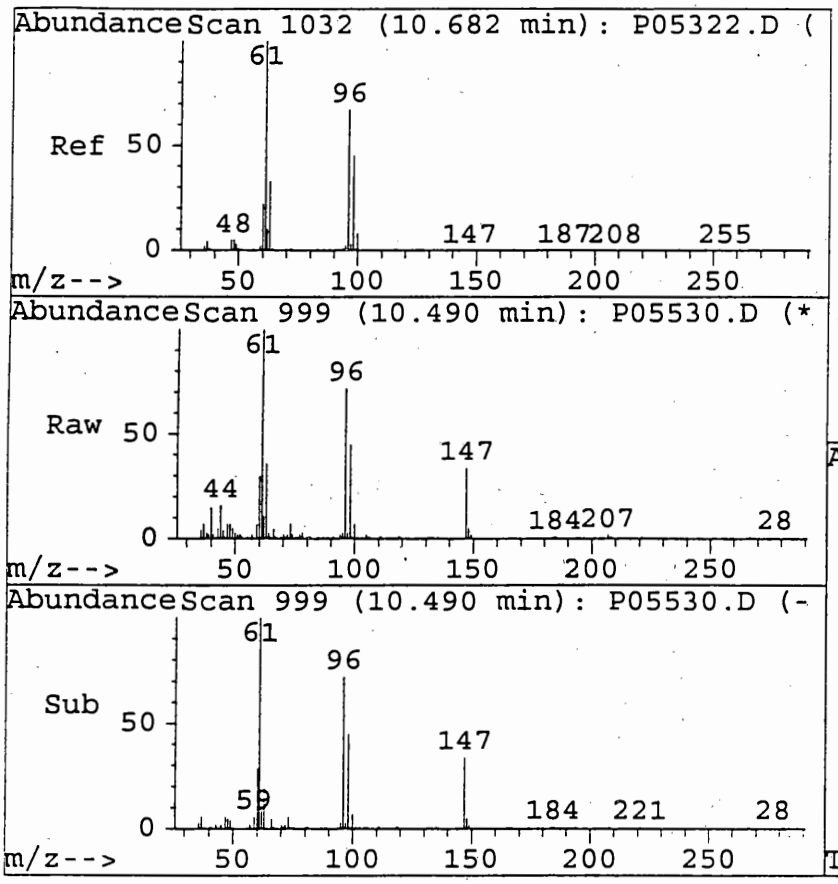
#9
Methylene Chloride
Concen: 1.15 UG/L
RT: 8.37 min Scan# 629
Delta R.T. -0.04 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:84 Resp: 3135

Ion	Ratio	Lower	Upper
84	100		
49	127.8	113.6	153.6
86	52.1	48.1	88.1
0	0.0	0.0	0.0



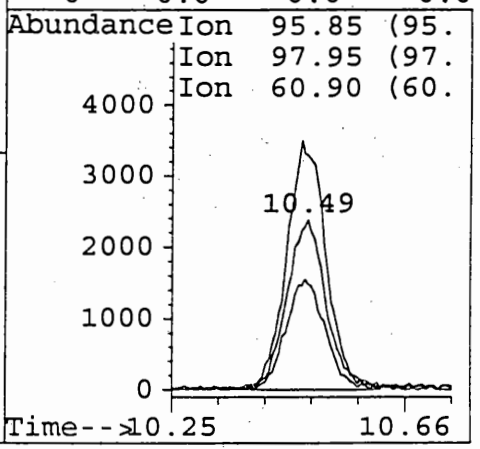
Sample Name: 9702038
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05530.D CLPW.M Wed Feb 12 16:02:32 1997 JON

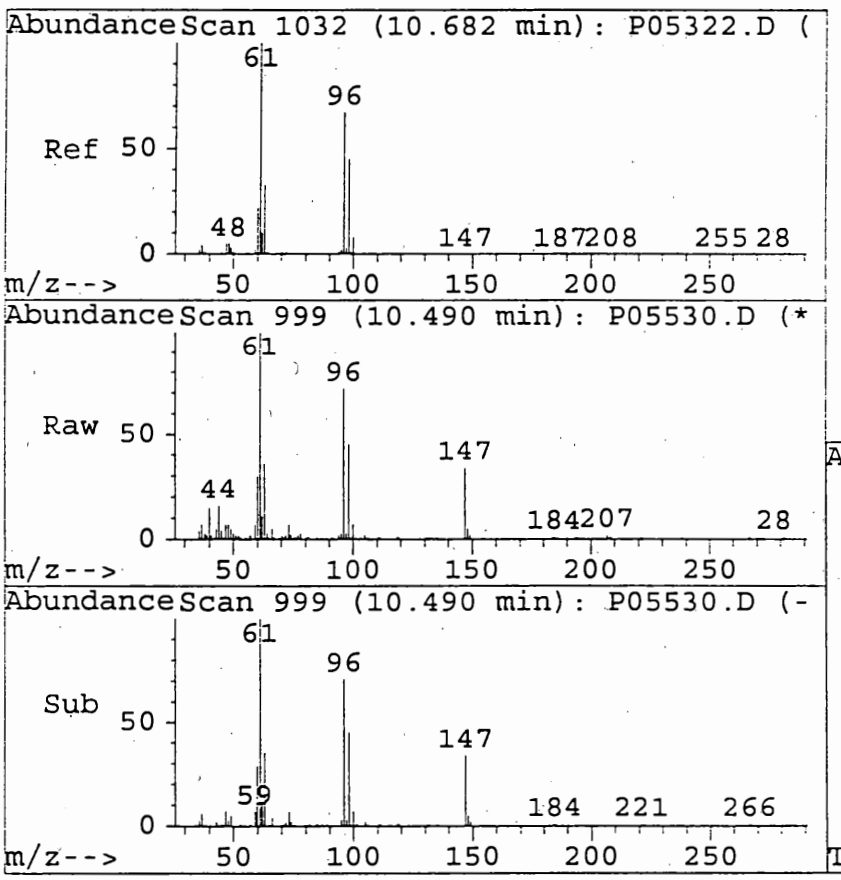


#14
cis-,1,2-Dichloroethene
Concen: 3.47 UG/L
RT: 10.49 min Scan# 999
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:95.85 Resp: 11539

Ion	Ratio	Lower	Upper
96	100		
98	64.3	53.1	79.6
61	146.9	105.0	157.5
0	0.0	0.0	0.0

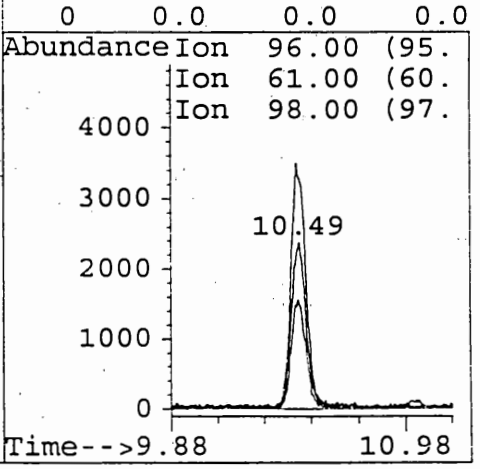




#15
1,2-Dichloroethene (total)
Concen: 3.75 UG/L m
RT: 10.49 min Scan# 999
Delta R.T. 1.61 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

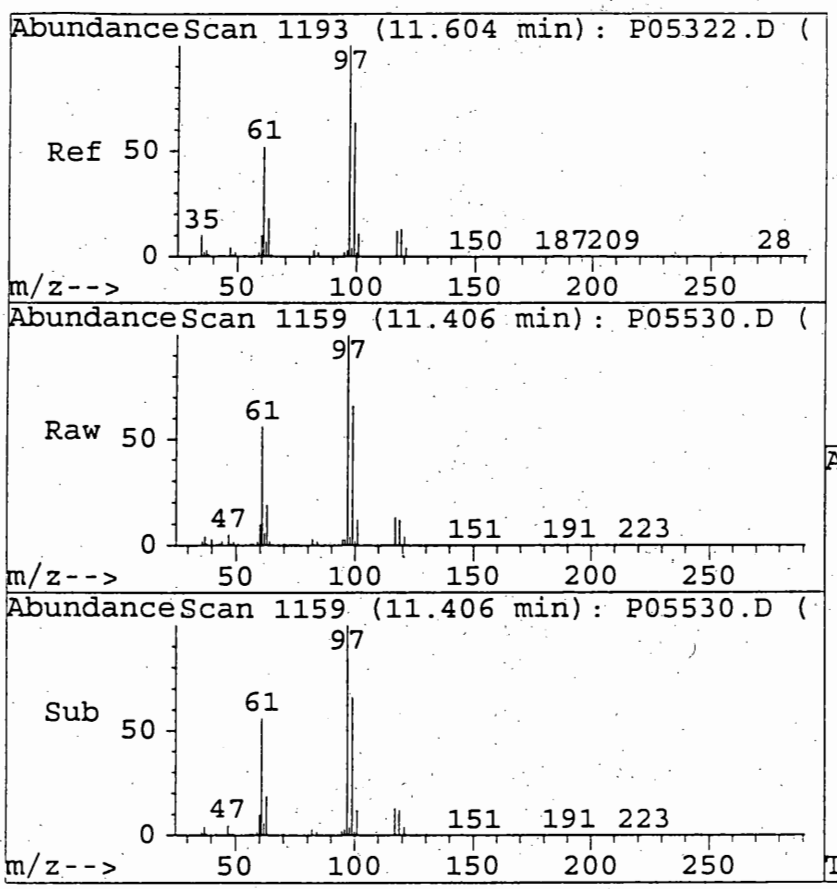
Tgt Ion:96 Resp: 12352

Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.6	151.6
98	62.6	44.6	84.6
0	0.0	0.0	0.0



Sample Name: 9702038
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05530.D CLPW.M Wed Feb 12 16:02:37 1997 JON

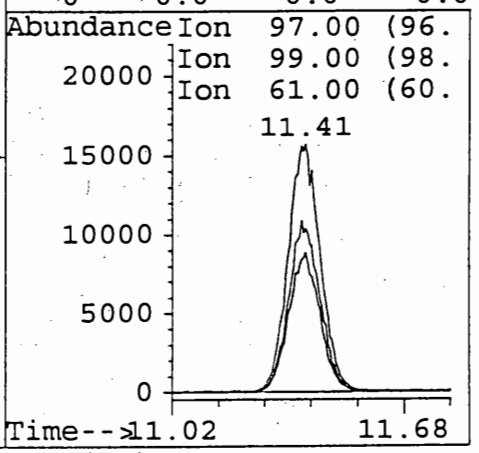
C125

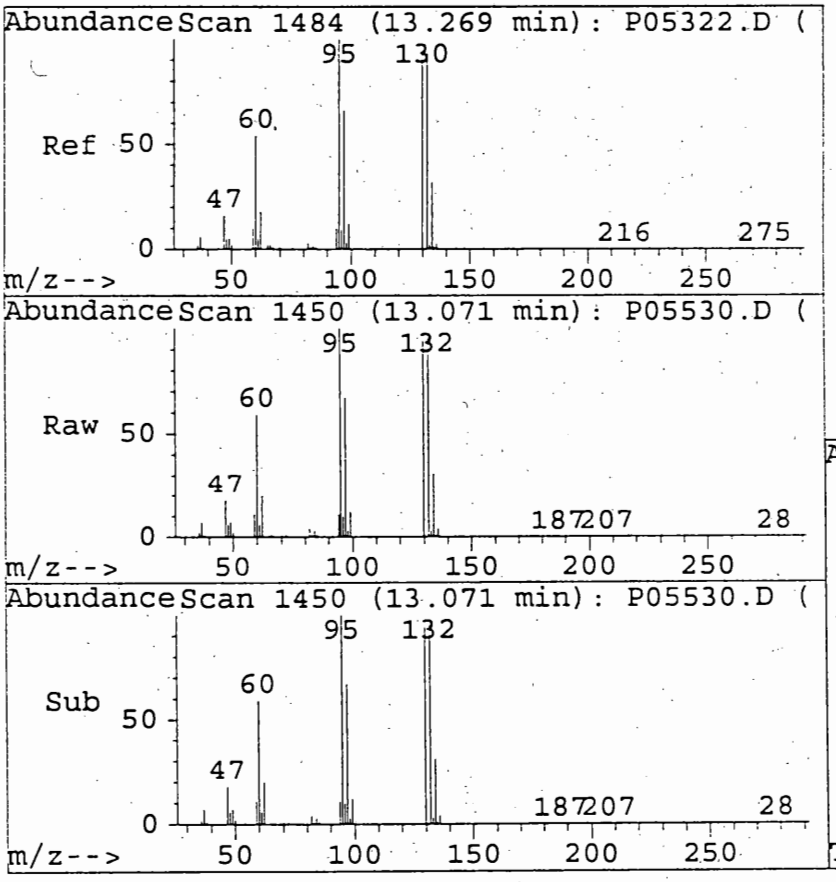


#22
1,1,1-Trichloroethane
Concen: 16.73 UG/L
RT: 11.41 min Scan# 1159
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:97 Resp: 100878

Ion	Ratio	Lower	Upper
97	100		
99	65.9	46.6	86.6
61	56.4	27.5	67.5
0	0.0	0.0	0.0

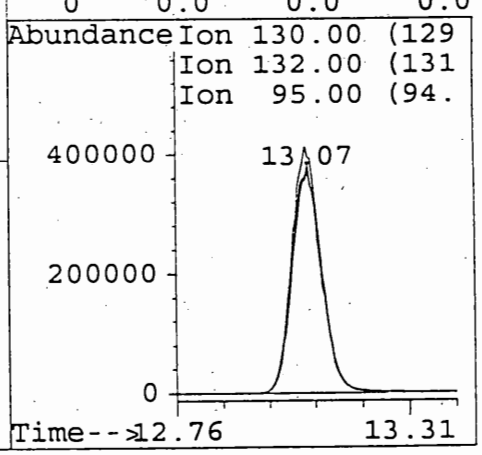




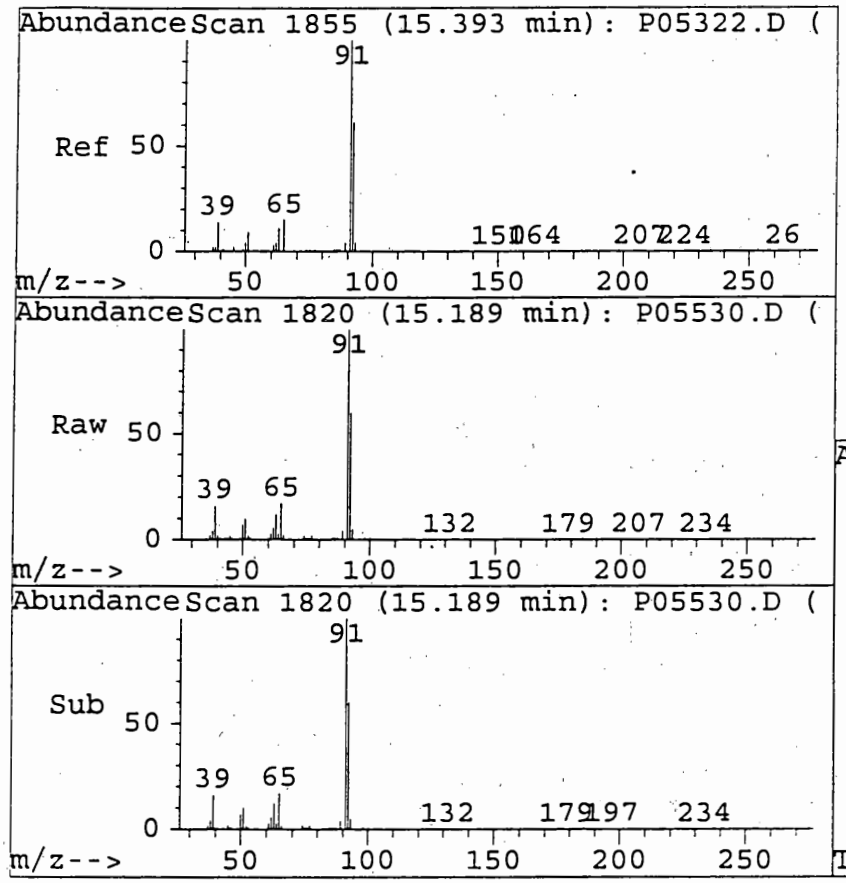
#24
Trichloroethene
Concen: 498.17 UG/L
RT: 13.07 min Scan# 1450
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:130 Resp: 1801633

Ion	Ratio	Lower	Upper
130	100		
132	102.8	82.0	122.0
95	106.7	80.0	120.0
0	0.0	0.0	0.0



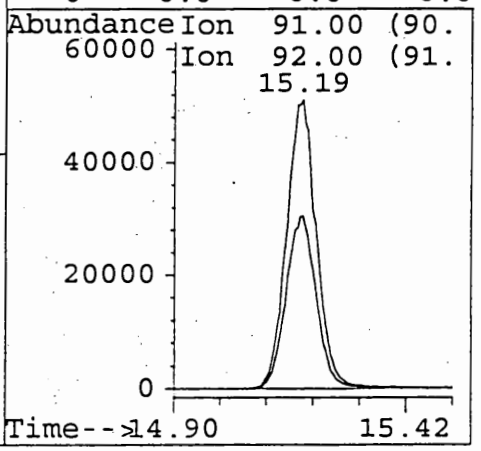
Sample Name: 9702038
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05530.D CLPW.M Wed Feb 12 16:02:42 1997 JON

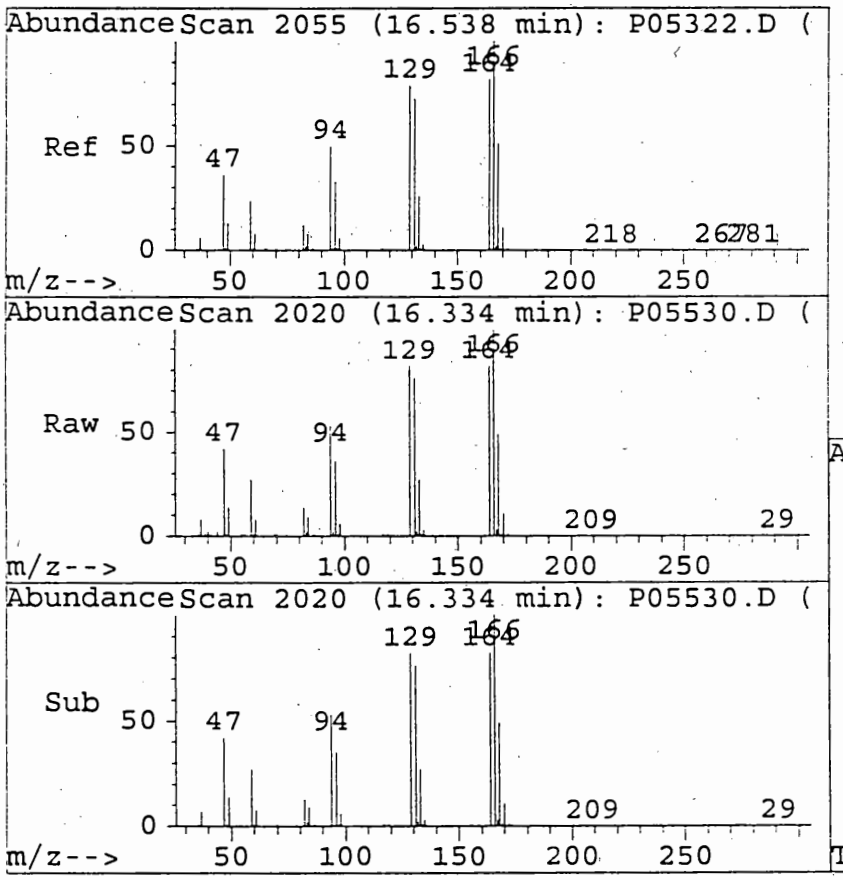


#36
Toluene
Concen: 37.44 UG/L
RT: 15.19 min Scan# 1820
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:91 Resp: 239388

Ion	Ratio	Lower	Upper
91	100		
92	59.7	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0

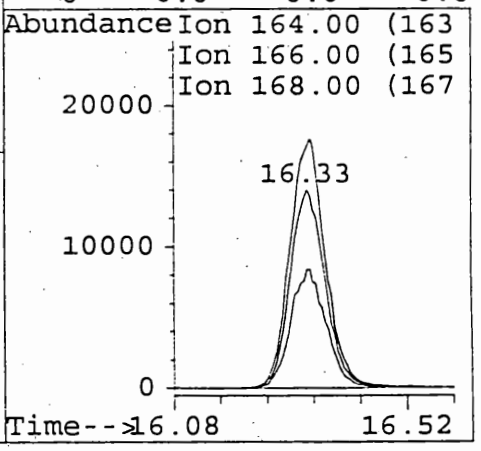




#37
Tetrachloroethene
Concen: 17.28 UG/L
RT: 16.33 min Scan# 2020
Delta R.T. -0.03 min
Lab File: P05530.D
Acq: 29 Jan 97 7:14 pm

Tgt Ion:164 Resp: 64310

Ion	Ratio	Lower	Upper
164	100		
166	122.1	109.5	149.5
168	60.0	42.4	82.4
0	0.0	0.0	0.0



Sample Name: 9702038
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05530.D CLPW.M Wed Feb 12 16:02:47 1997 JON

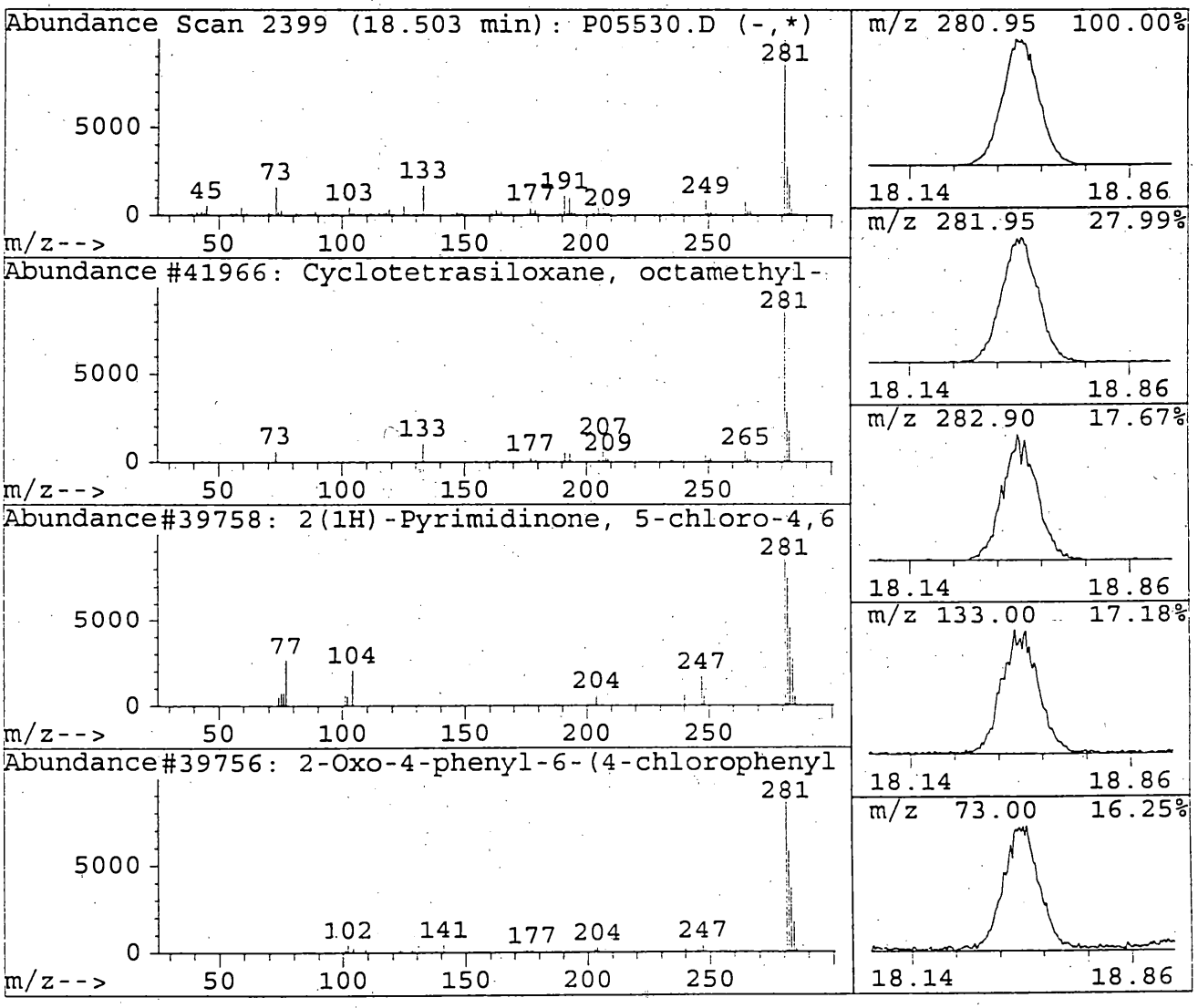
Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05530.D Vial: 12
Acq On : 29 Jan 97 19:14 Operator: GLENN
Sample : 9702038 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.50	9.53 UG/L	165867	Chlorobenzene-d5	17.70

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	10
2	2(1H)-Pyrimidinone, 5-chloro-4,6-di	282	C16H11ClN2O	028567-83-1	9
3	2-Oxo-4-phenyl-6-(4-chlorophenyl)-1	282	C16H11ClN2O	000000-00-0	9
4	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
5	3',6-Dimethoxyaurone	282	C17H14O4	077764-84-2	5



V C128

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60221DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05531.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	170	D
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-4	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	18	JD
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	550	D
71-43-2	Benzene	50	U
124-48-1	Dibromochloromethane	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	18	JD
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	40	JD
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60221DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702038DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05531.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

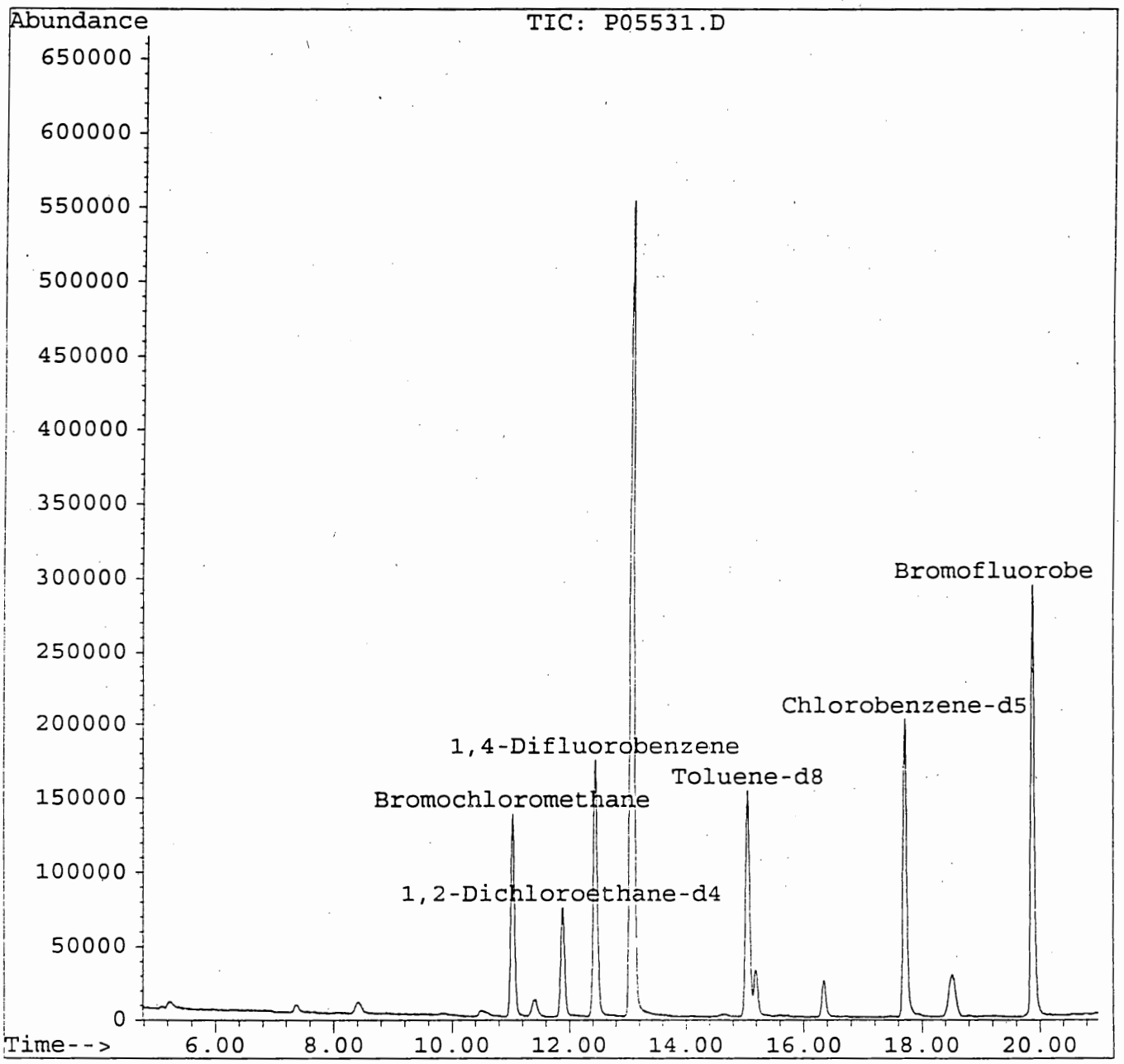
CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	18.52	42	JD

C130

Quantitation Report

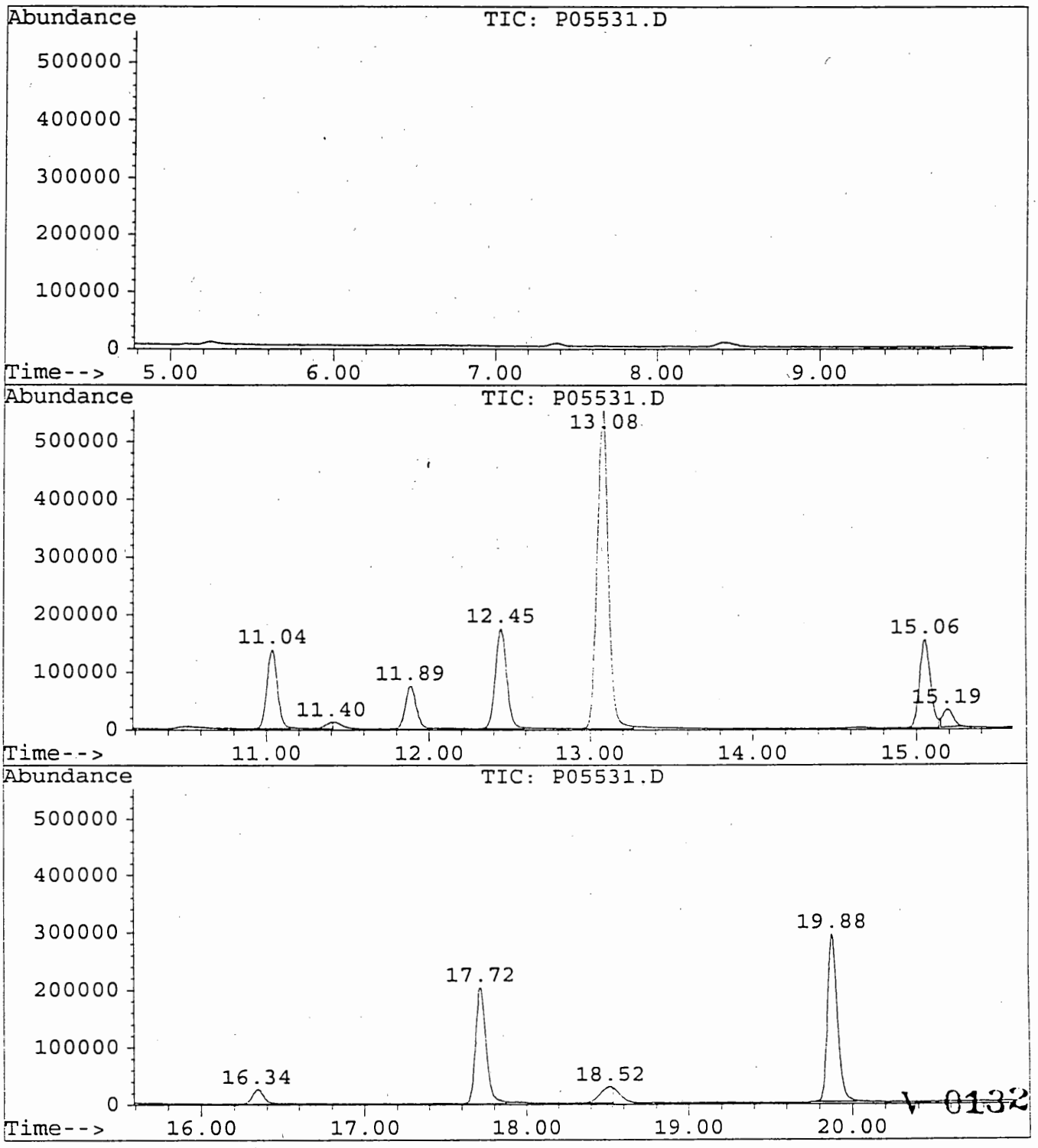
Data File : S:\MS\HP#3\JAN97\P05531.D Vial: 13
Acq On : 29 Jan 97 7:43 pm Operator: GLENN
Sample : 9702038DL 1:5 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:06 1997

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



0131

File : S:\MS\HP#3\JAN97\P05531.D
Operator : GLENN
Acquired : 29 Jan 97 19:43 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702038DL 1:5
Misc Info : B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Vial Number: 13



V 0132

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05531.D Vial: 13
Acq On : 29 Jan 97 19:43 Operator: GLENN
Sample : 9702038DL 1:5 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:06 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

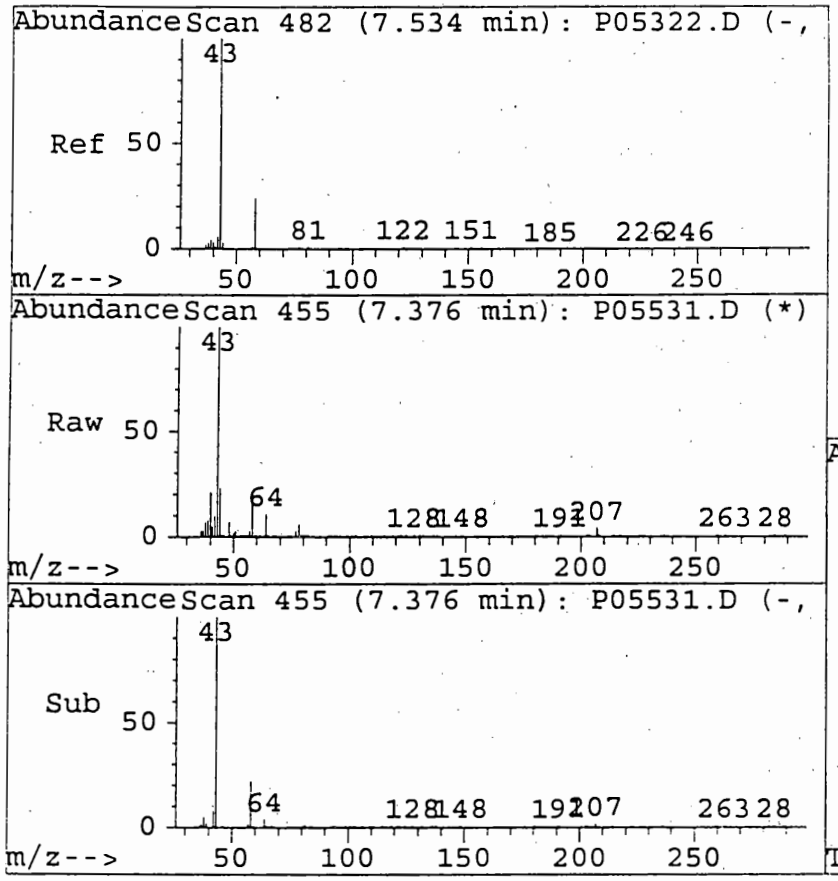
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.04	128	80616	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.45	114	301064	50.00	UG/L	-0.02
33) Chlorobenzene-d5	17.72	117	249975	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.89	65	131929	58.10	UG/L	116.21%
34) Toluene-d8	15.05	98	245516	47.39	UG/L	94.78%
43) Bromofluorobenzene	19.88	95	246961	53.08	UG/L	106.17%
Target Compounds						**Qvalue**
8) Acetone	7.38	43	18694	33.03	UG/L	86
22) 1,1,1-Trichloroethane	11.41	97	23341m	3.69	UG/L	98
24) Trichloroethene	13.08	130	413140	109.03	UG/L	94
36) Toluene	15.19	91	53896	8.01	UG/L	100
37) Tetrachloroethene	16.35	164	13820	3.53	UG/L	98

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 29 Jan 97 19:43
Data File: S:\MS\HP#3\JAN97\P05531.D
Name: 9702038DL 1:5
Misc: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Method: CLPW
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Cyclotetrasiloxane,	18.52	8.5	UG/L	152815	ISTD03	17.72	904108	50.0

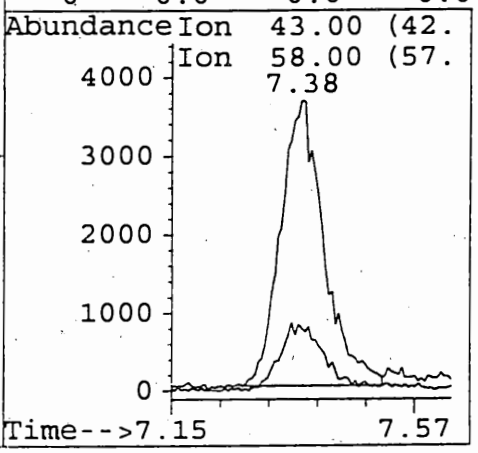
V 0134

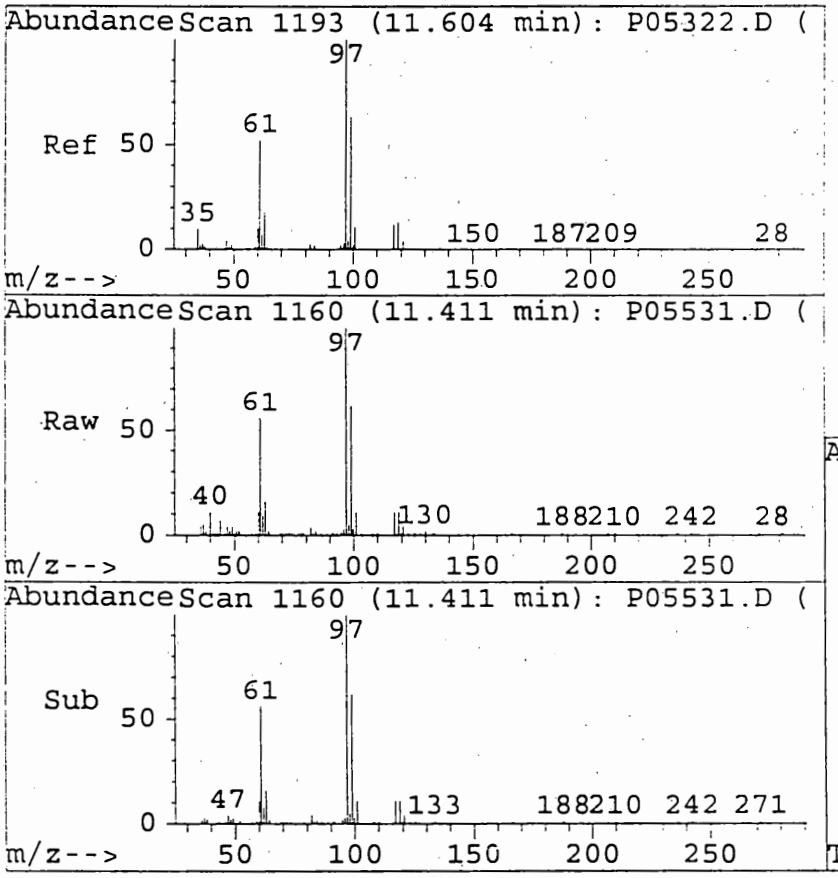


#8
Acetone
Concen: 33.03 UG/L
RT: 7.38 min Scan# 455
Delta R.T. -0.02 min
Lab File: P05531.D
Acq: 29 Jan 97 7:43 pm

Tgt Ion:43 Resp: 18694

Ion	Ratio	Lower	Upper
43	100		
58	22.1	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

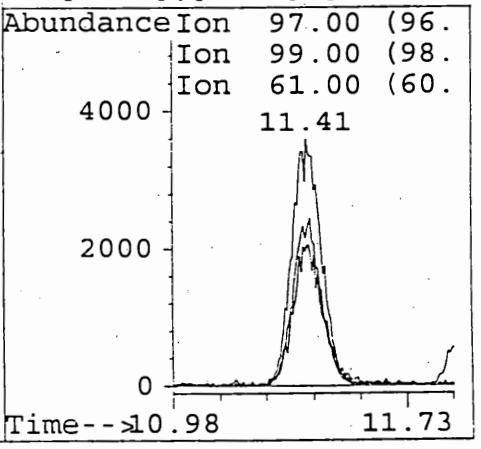




#22
1,1,1-Trichloroethane
Concen: 3.69 UG/L m
RT: 11.41 min Scan# 1160
Delta R.T. -0.02 min
Lab File: P05531.D
Acq: 29 Jan 97 7:43 pm

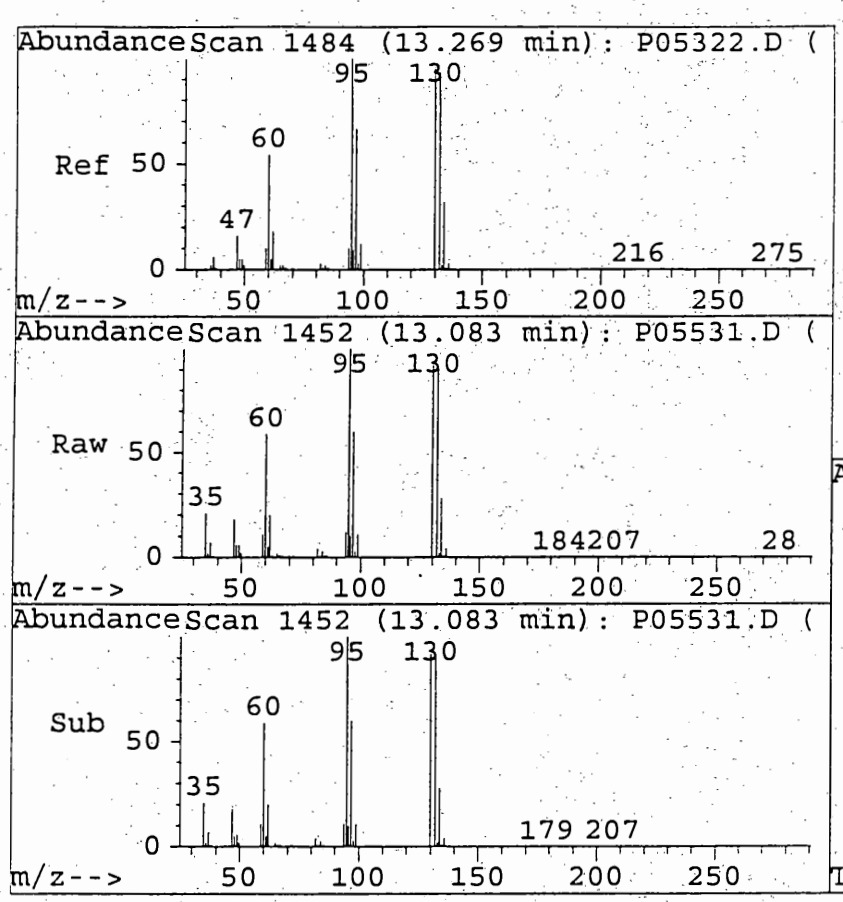
Tgt Ion:97 Resp: 23341

Ion	Ratio	Lower	Upper
97	100		
99	61.7	46.6	86.6
61	56.1	27.5	67.5
0	0.0	0.0	0.0



Sample Name: 9702038DL 1:5
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05531.D CLPW.M Wed Feb 12 16:03:56 1997 JON

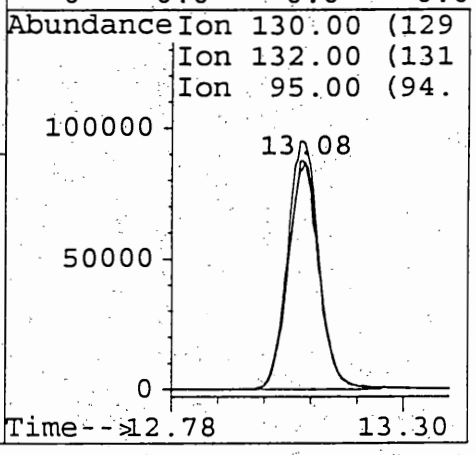
V 0135

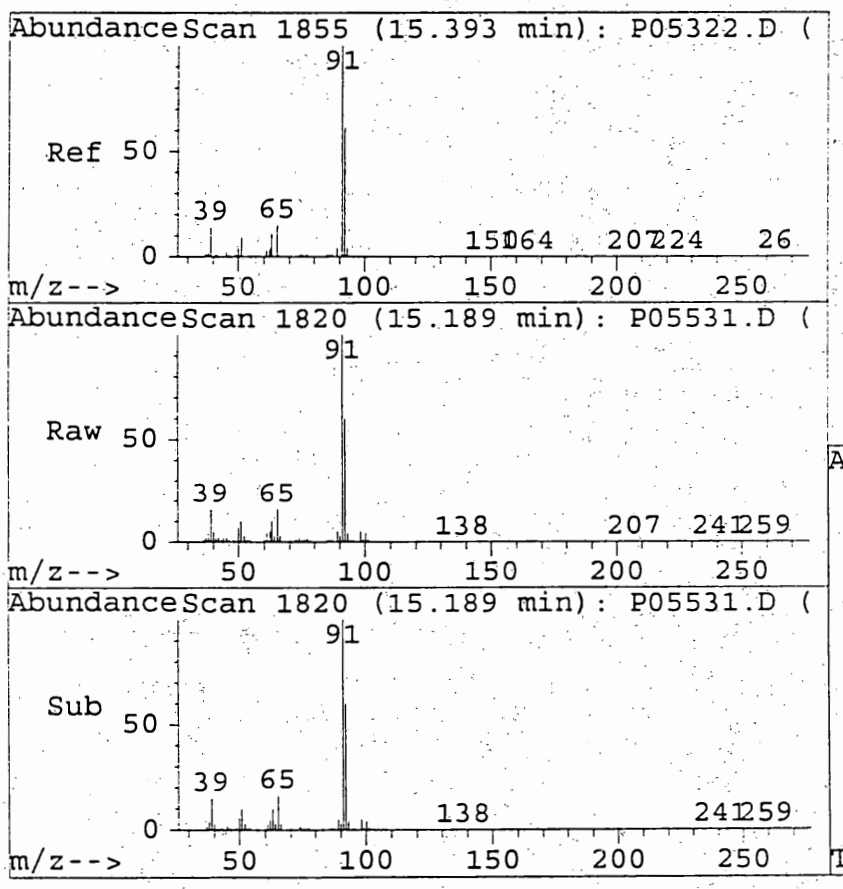


#24
Trichloroethene
Concen: 109.03 UG/L
RT: 13.08 min Scan# 1452
Delta R.T. -0.01 min
Lab File: P05531.D
Acq: 29 Jan 97 7:43 pm

Tgt Ion:130 Resp: 413140

Ion	Ratio	Lower	Upper
130	100		
132	98.7	82.0	122.0
95	108.2	80.0	120.0
0	0.0	0.0	0.0

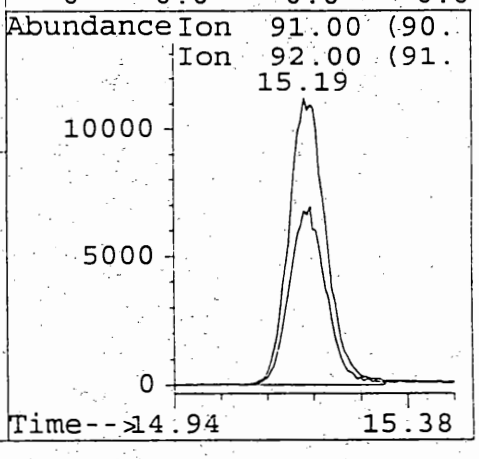




#36
Toluene
Concen: 8.01 UG/L
RT: 15.19 min Scan# 1820
Delta R.T. -0.03 min
Lab File: P05531.D
Acq: 29 Jan 97 7:43 pm

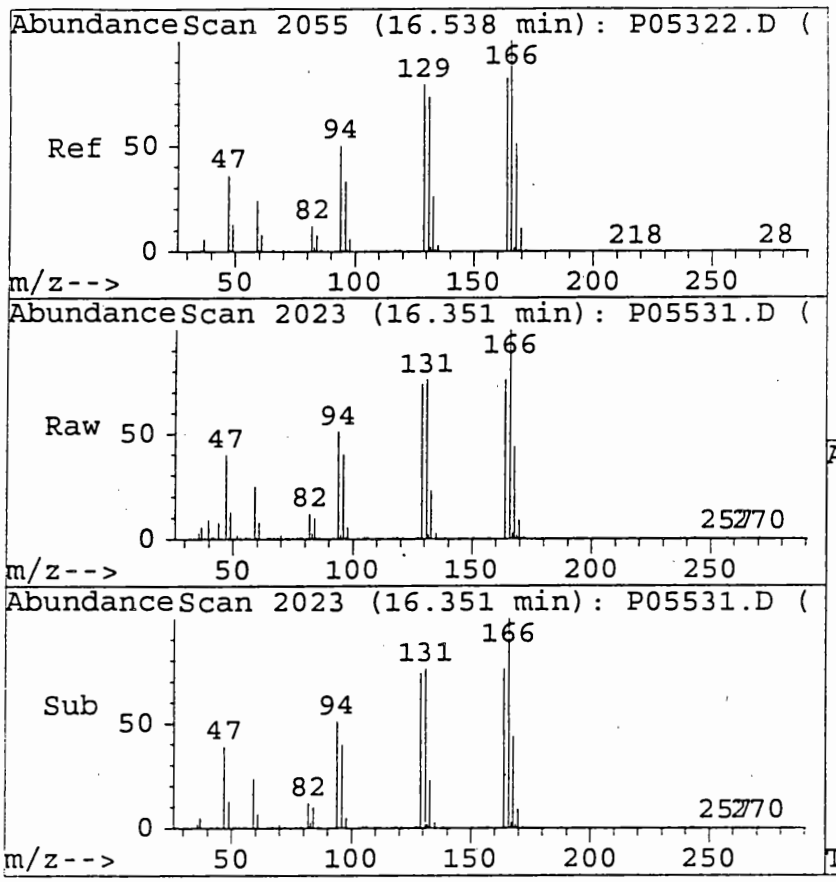
Tgt Ion:91 Resp: 53896

Ion	Ratio	Lower	Upper
91	100		
92	60.1	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702038DL 1:5
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05531.D CLPW.M Wed Feb 12 16:04:01 1997 JON

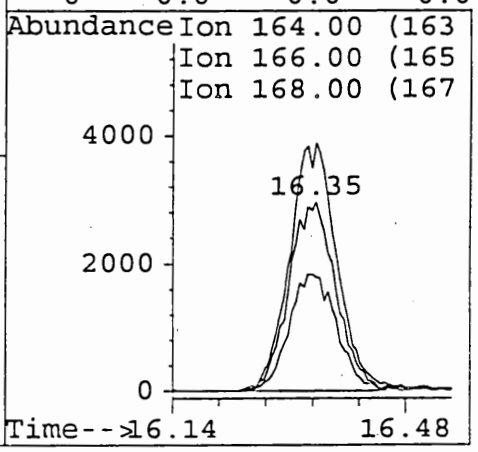
V C136



#37
Tetrachloroethene
Concen: 3.53 UG/L
RT: 16.35 min Scan# 2023
Delta R.T. -0.01 min
Lab File: P05531.D
Acq: 29 Jan 97 7:43 pm

Tgt Ion:164 Resp: 13820

Ion	Ratio	Lower	Upper
164	100		
166	131.2	109.5	149.5
168	60.2	42.4	82.4
0	0.0	0.0	0.0



Sample Name: 9702038DL 1:5
Misc. Info: B60221 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05531.D CLPW.M Wed Feb 12 16:04:04 1997 JON

V C137

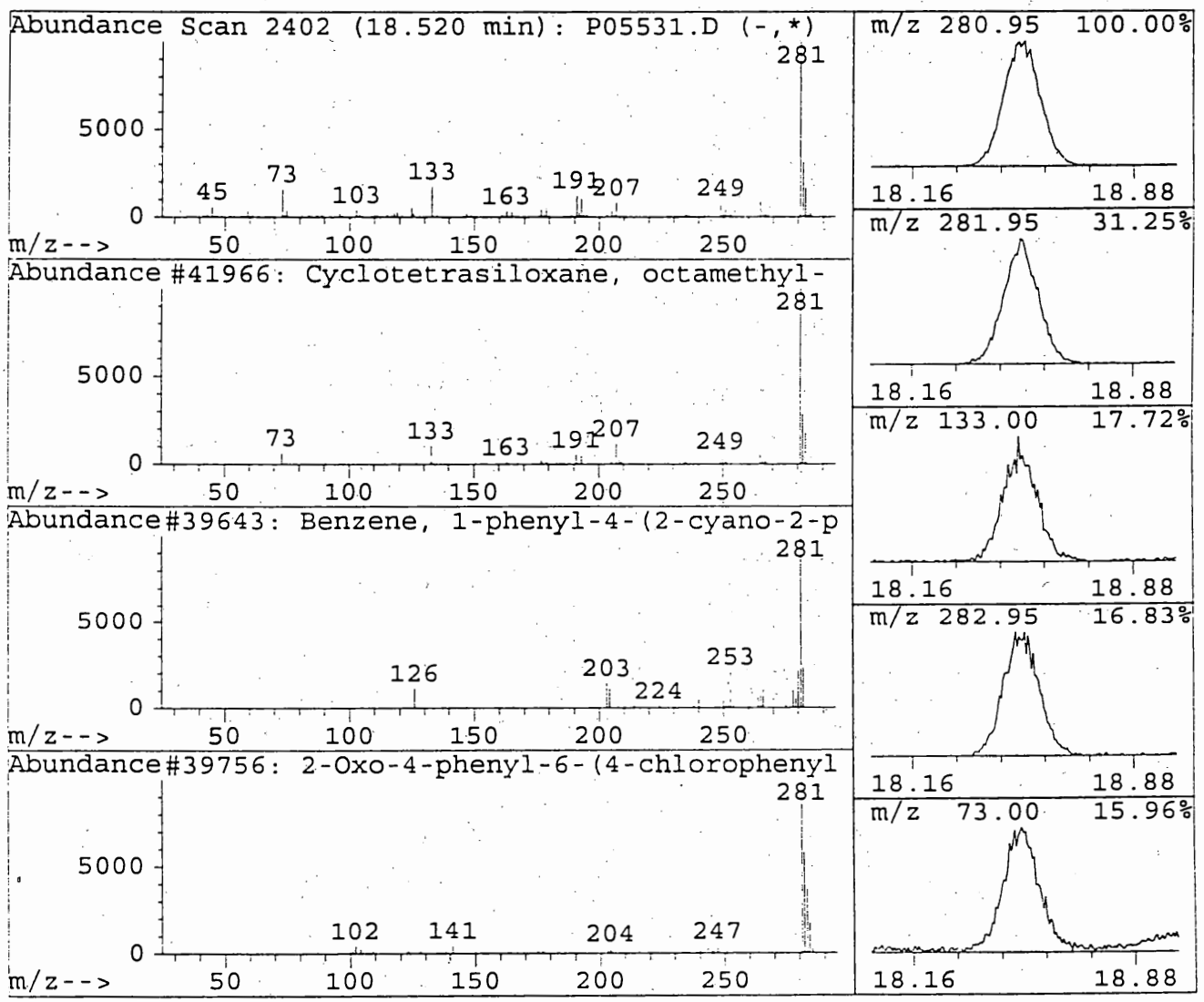
Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05531.D Vial: 13
Acq On : 29 Jan 97 19:43 Operator: GLENN
Sample : 9702038DL 1:5 Inst : 5970 - In
Misc : B60221 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.52	8.45 UG/L	152815	Chlorobenzene-d5	17.72

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	50
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	50
3	2-Oxo-4-phenyl-6-(4-chlorophenyl)-1	282	C16H11ClN2O	000000-00-0	9
4	2(1H)-Pyrimidinone, 5-chloro-4,6-di	282	C16H11ClN2O	028567-83-1	8
5	14.alpha.-Morphinan, 7,8-didehydro-	281	C19H23NO	017939-34-3	5



V C138

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60222

A66P-02 (56'-66')

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05507.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	92	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	2	J
75-34-4	1,1-Dichloroethane	5	J
540-59-0	1,2-Dichloroethene (total)	13	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	3	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	160	
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	660	E
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	15	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60222

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05507.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

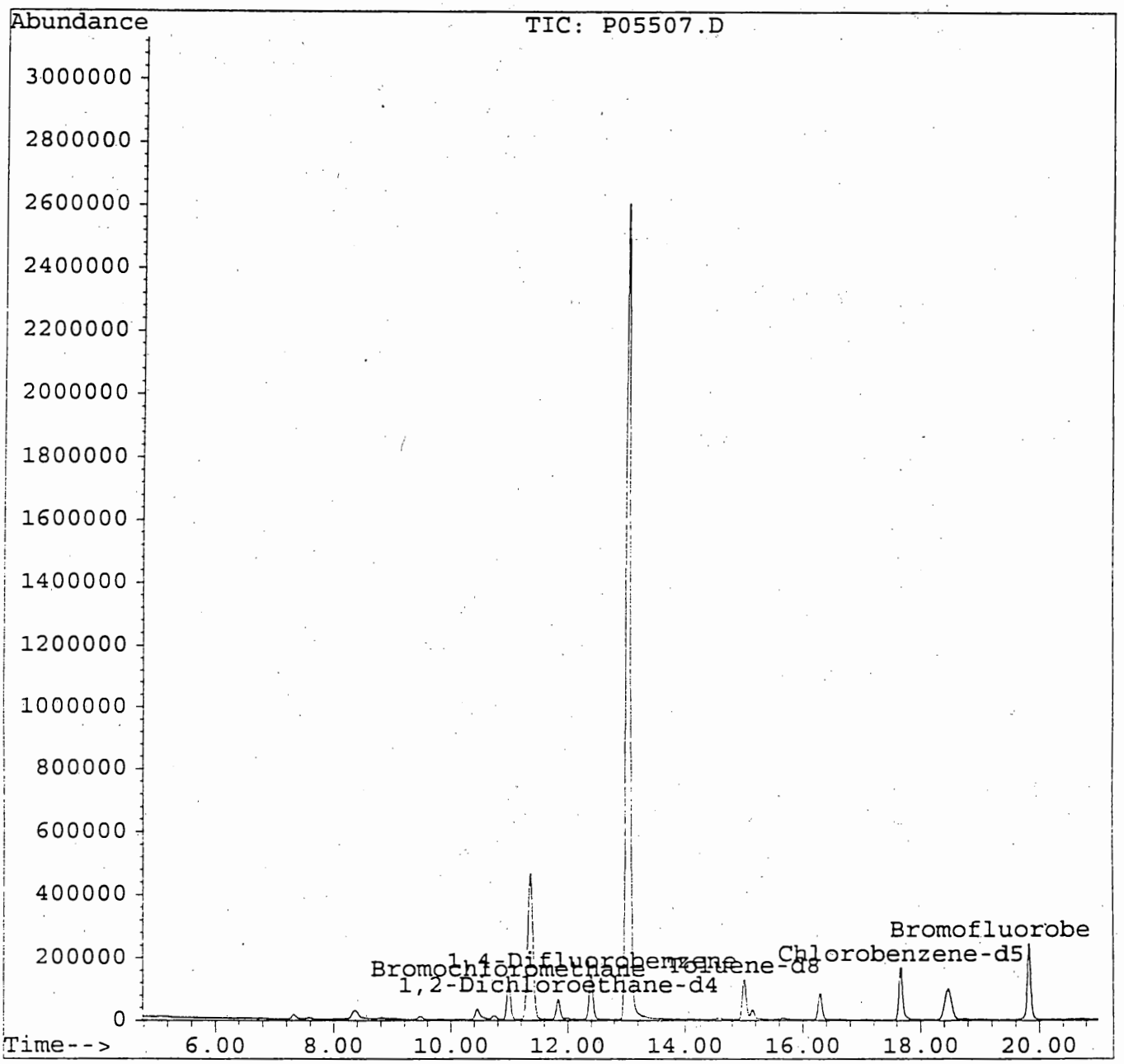
CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	8.37	19	JN
2. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.47	53	JN

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05507.D
Acq On : 28 Jan 97 5:19 pm
Sample : 9702039
Misc : B60222 H5970-3 1/27/97 5.0ML
Quant Time: Feb 13 15:00 1997

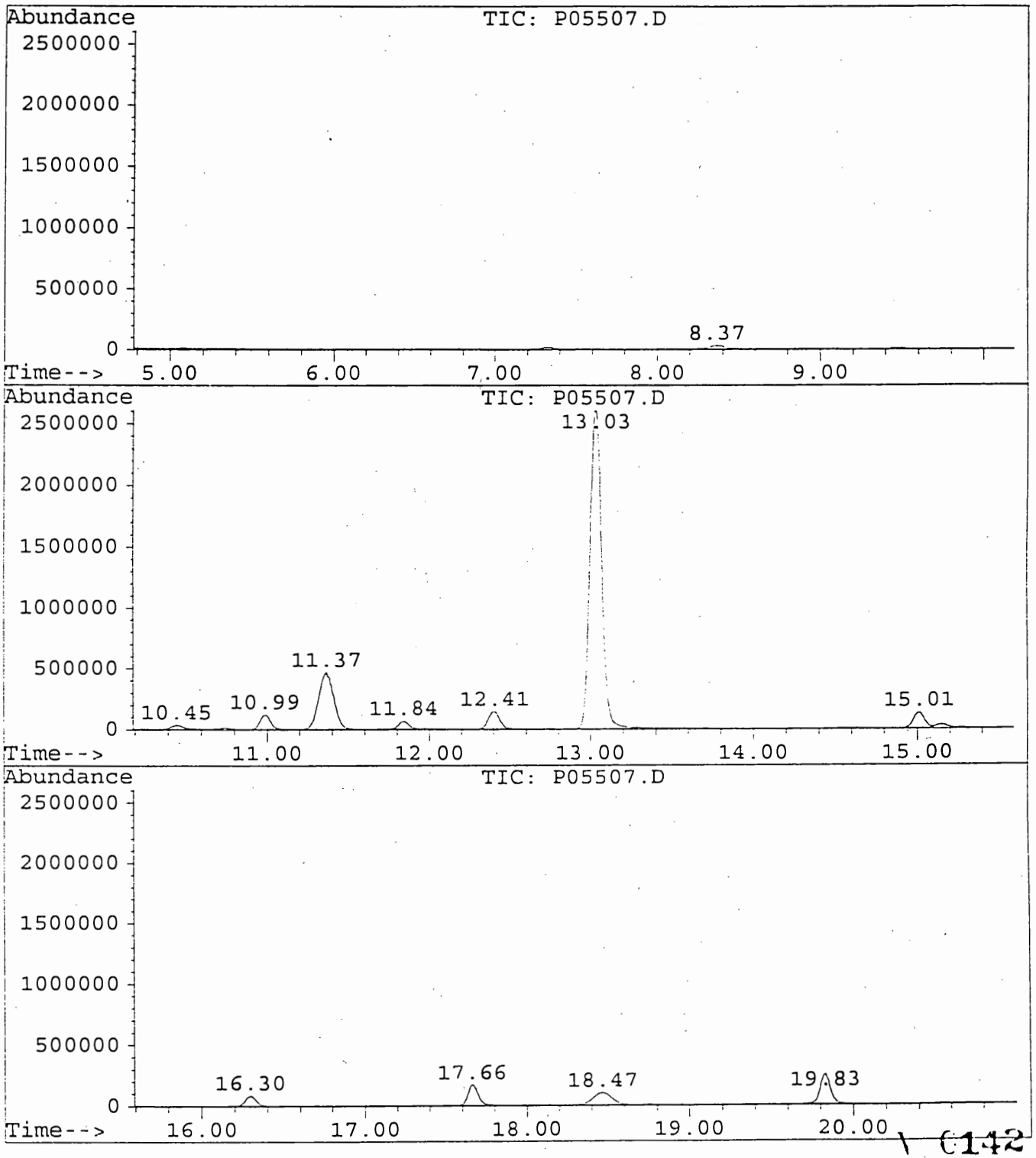
Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



\ 0141

File : S:\MS\HP#3\JAN97\P05507.D
Operator : GLENN
Acquired : 28 Jan 97 17:19 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702039
Misc Info : B60222 H5970-3 1/27/97 5.0ML
Vial Number: 12



C142

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05507.D Vial: 12
Acq On : 28 Jan 97 17:19 Operator: GLENN
Sample : 9702039 Inst : 5970 - In
Misc : B60222 H5970-3 1/27/97 5.0ML Multiplr: 1.00
Quant Time: Feb 13 15:00 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:53:08 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.99	128	71923	50.00	UG/L	0.04
21) 1,4-Difluorobenzene	12.41	114	256802	50.00	UG/L	0.05
33) Chlorobenzene-d5	17.68	117	208764	50.00	UG/L	0.04
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.84	65	115179	52.67	UG/L	105.35%
34) Toluene-d8	15.01	98	209589	50.16	UG/L	100.31%
43) Bromofluorobenzene	19.83	95	204854	50.99	UG/L	101.98%
Target Compounds						**Qvalue**
6) 1,1-Dichloroethene	7.59	96	4367	1.57	UG/L	96
8) Acetone	7.32	43	51809	92.38	UG/L	88
14) cis-,1,2-Dichloroethene	10.45	96	31242	11.14	UG/L	88
15) 1,2-Dichloroethene (total)	10.45	96	37069m	12.71	UG/L	74
16) 1,1-Dichloroethane	9.47	63	27104	5.19	UG/L	91
19) 1,2-Dichloroethane	12.00	62	9480	2.78	UG/L	89
22) 1,1,1-Trichloroethane	11.36	97	899277	156.63	UG/L	96
24) Trichloroethene	13.03	130	2088881	656.21	UG/L	95
36) Toluene	15.15	91	55106	10.19	UG/L	93
37) Tetrachloroethene	16.30	164	48175	15.20	UG/L	89

2/13/97

V-0113

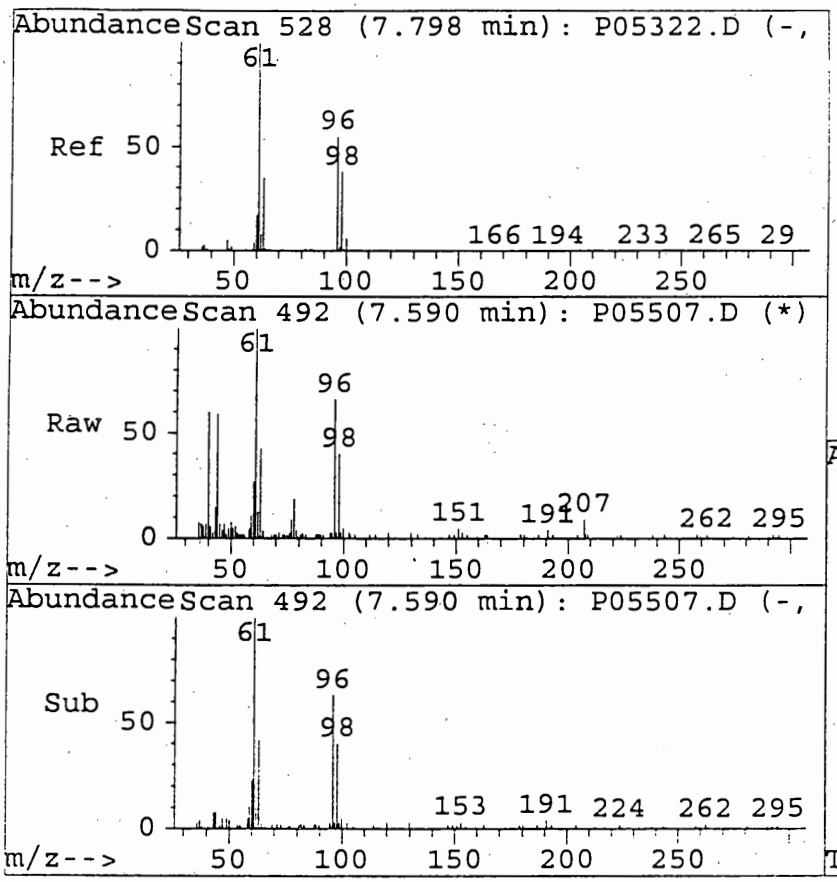
(#) = qualifier out of range (m) = manual integration
P05507.D CLPW.M Thu Feb 13 15:01:02 1997 JON Page 1

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 28 Jan 97 17:19
Data File: S:\MS\HP#3\JAN97\P05507.D
Name: 9702039
Misc: B60222 H5970-3 1/27/97 5.0ML
Method: CLPW
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Silanol, trimethyl-	8.37	18.8	UG/L	203678	ISTD01	10.99	541912	50.0
Cyclotetrasiloxane,	18.47	52.9	UG/L	827595	ISTD03	17.68	781733	50.0

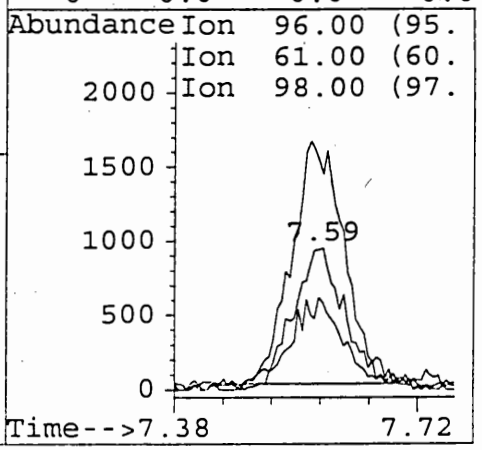
V 0144

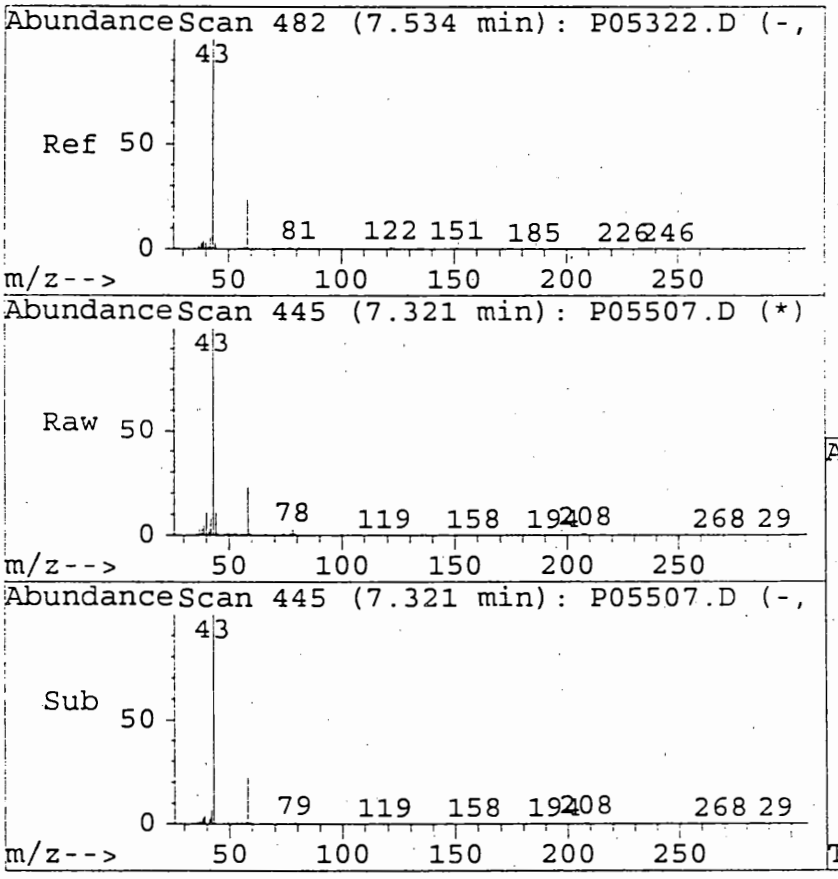


#6
1,1-Dichloroethene
Concen: 1.57 UG/L
RT: 7.59 min Scan# 492
Delta R.T. -0.00 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:96 Resp: 4367

Ion	Ratio	Lower	Upper
96	100		
61	153.2	139.2	179.2
98	64.1	44.9	84.9
0	0.0	0.0	0.0

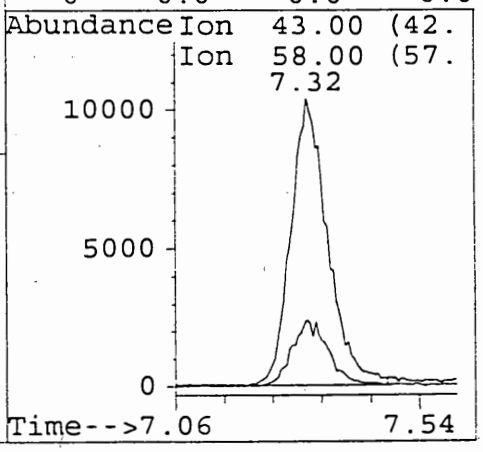




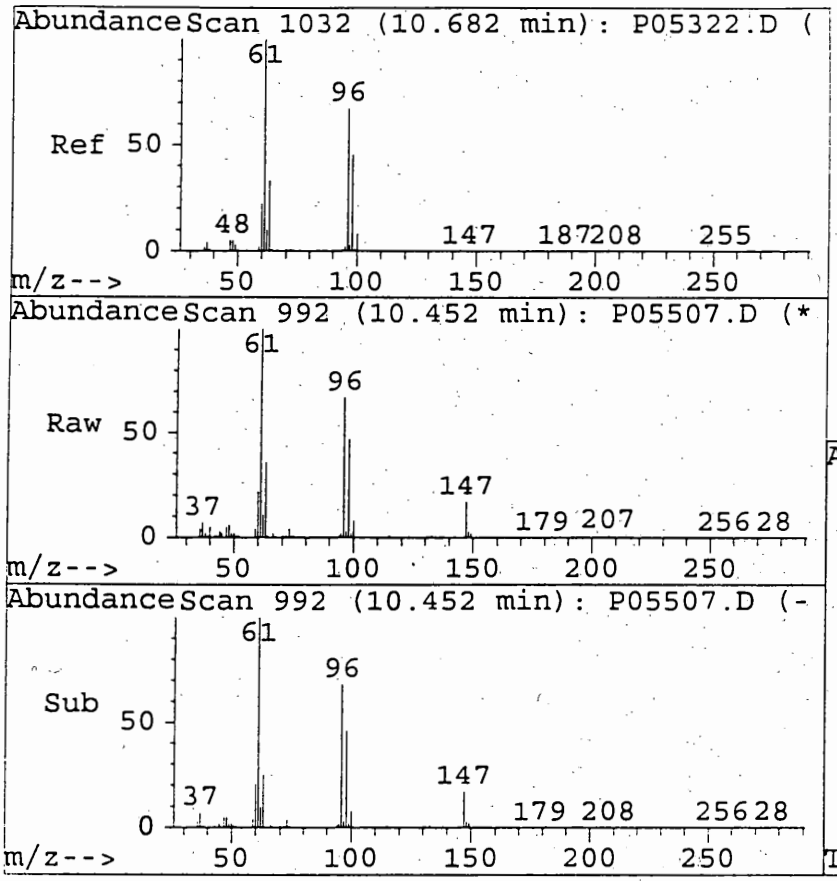
#8
Acetone
Concen: 92.38 UG/L
RT: 7.32 min Scan# 445
Delta R.T. -0.01 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:43 Resp: 51809

Ion	Ratio	Lower	Upper
43	100		
58	23.1	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0



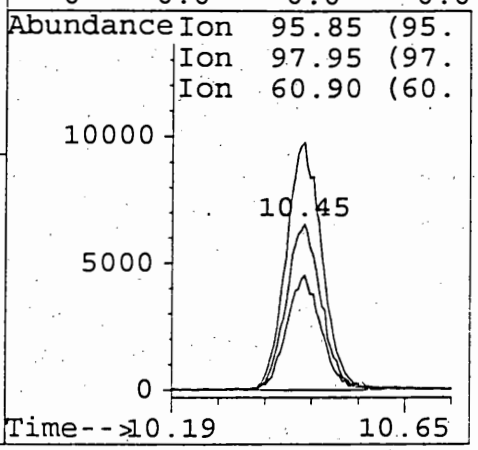
Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Thu Feb 13 15:01:21 1997 JON

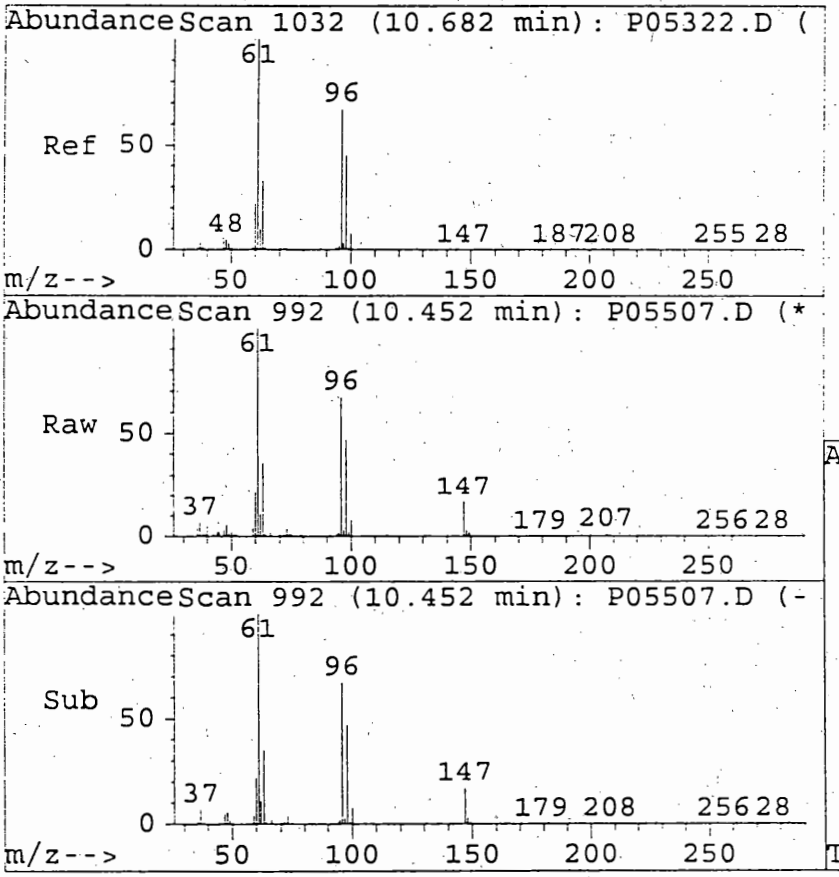


#14
cis-,1,2-Dichloroethene
Concen: 11.14 UG/L
RT: 10.45 min Scan# 992
Delta R.T. 0.04 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:95.85 Resp: 31242

Ion	Ratio	Lower	Upper
96	100		
98	67.6	53.1	79.6
61	151.0	105.0	157.5
0	0.0	0.0	0.0

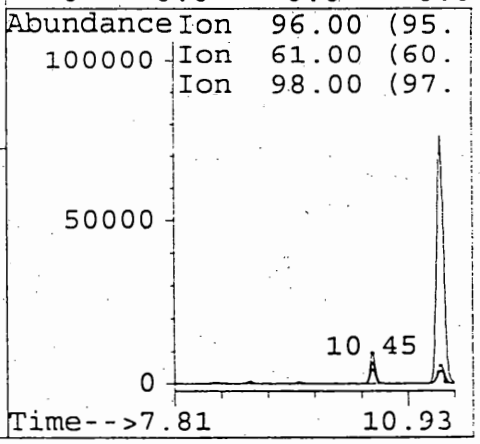




#15
1,2-Dichloroethene (total)
Concen: 12.71 UG/L m
RT: 10.45 min Scan# 992
Delta R.T. 1.65 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

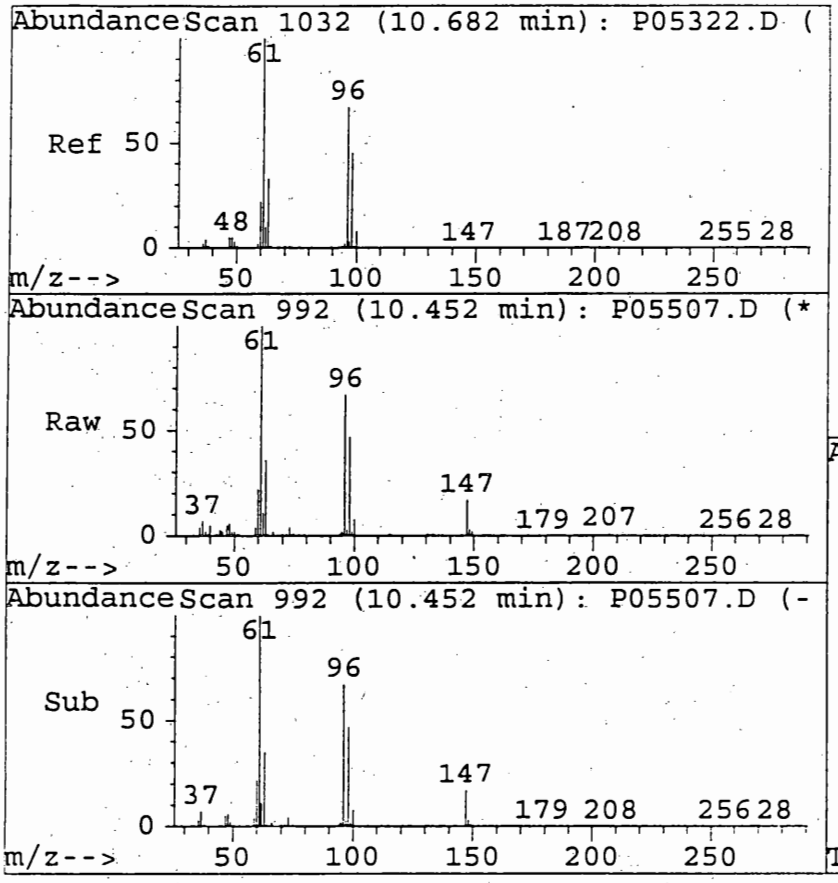
Tgt Ion:96 Resp: 37069

Ion	Ratio	Lower	Upper
96	100		
61	148.5	111.6	151.6
98	69.2	44.6	84.6
0	0.0	0.0	0.0



Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Thu Feb 13 15:01:32 1997 JON

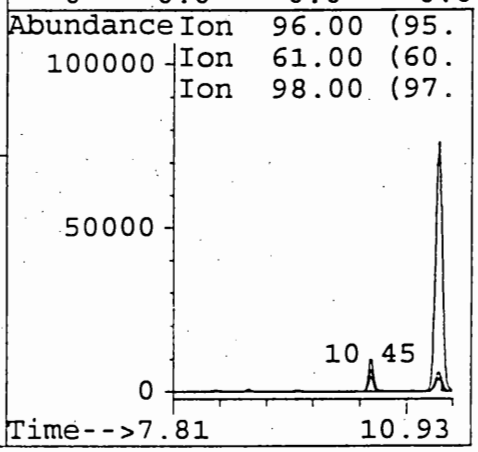
V 0146

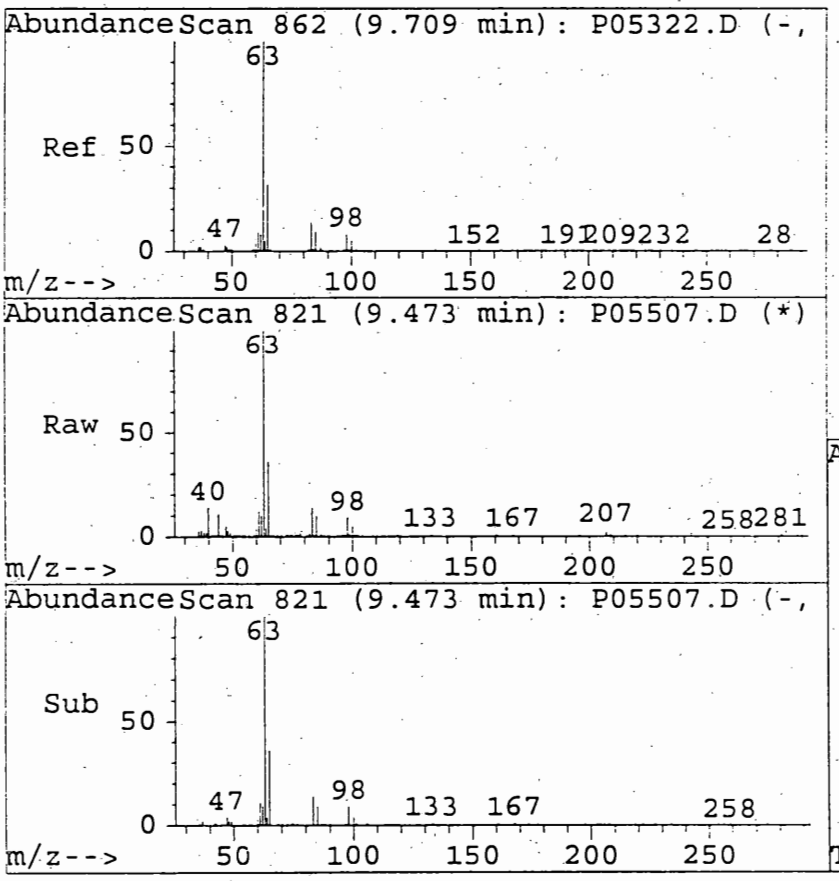


#15
1,2-Dichloroethene (total)
Concen: 12.71 UG/L m
RT: 10.45 min Scan# 992
Delta R.T. 1.65 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:96 Resp: 37069

Ion	Ratio	Lower	Upper
96	100		
61	148.5	111.6	151.6
98	69.2	44.6	84.6
0	0.0	0.0	0.0

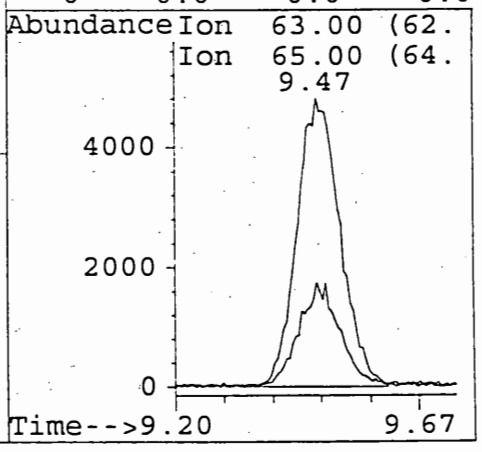




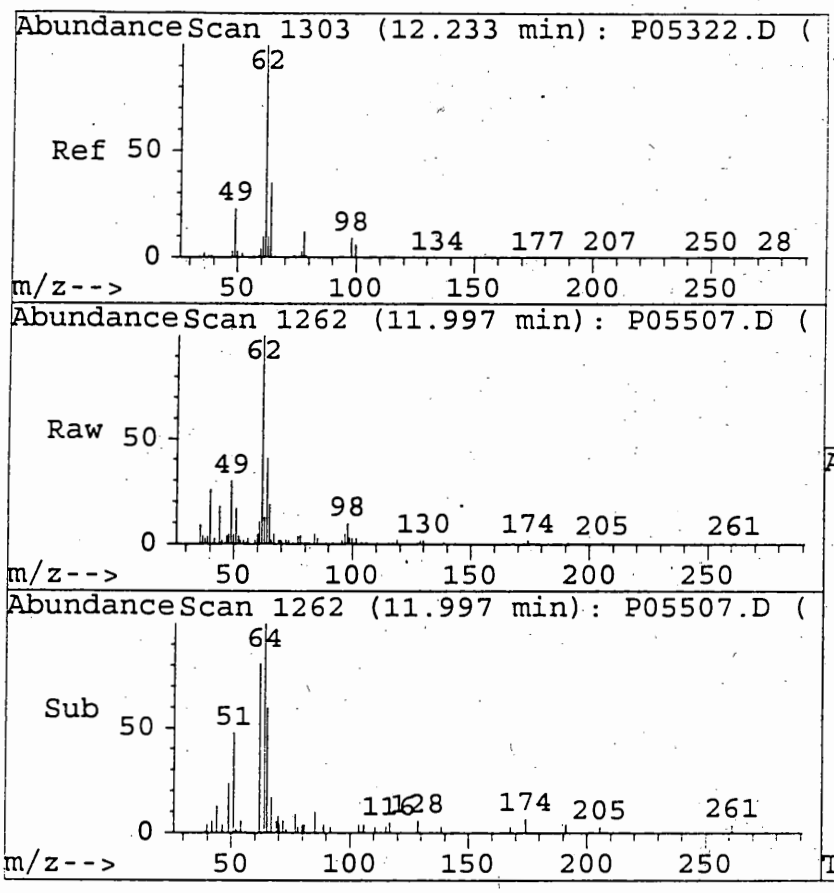
#16
1,1-Dichloroethane
Concen: 5.19 UG/L
RT: 9.47 min Scan# 821
Delta R.T. 0.01 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:63 Resp: 27104

Ion	Ratio	Lower	Upper
63	100		
65	35.4	10.4	50.4
0	0.0	0.0	0.0
0	0.0	0.0	0.0



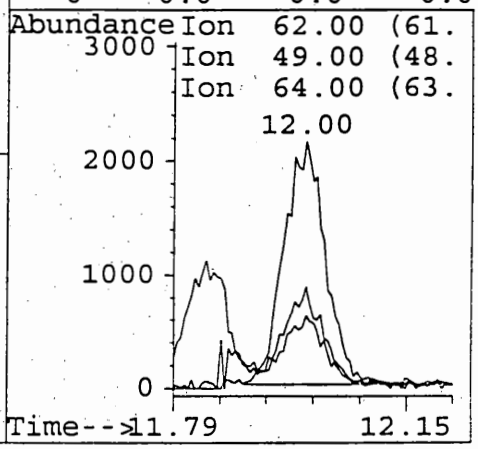
Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Wed Feb 12 15:58:28 1997 JON

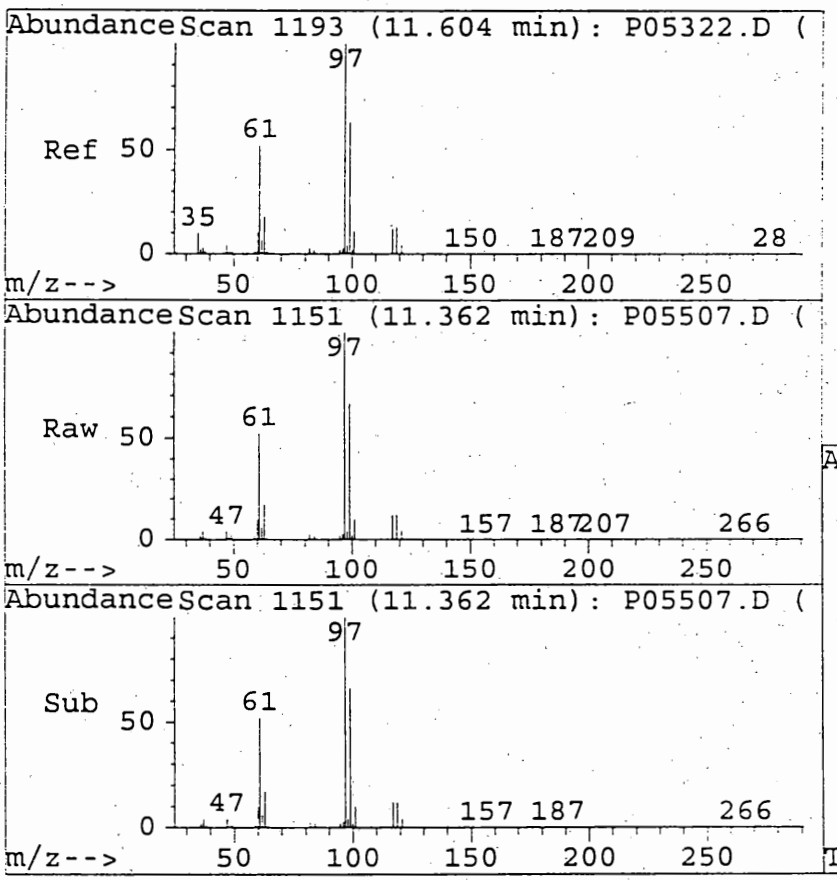


#19
1,2-Dichloroethane
Concen: 2.78 UG/L
RT: 12.00 min Scan# 1262
Delta R.T. 0.05 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:62 Resp: 9480

Ion	Ratio	Lower	Upper
62	100		
49	27.1	15.4	55.4
64	39.3	14.5	54.5
0	0.0	0.0	0.0

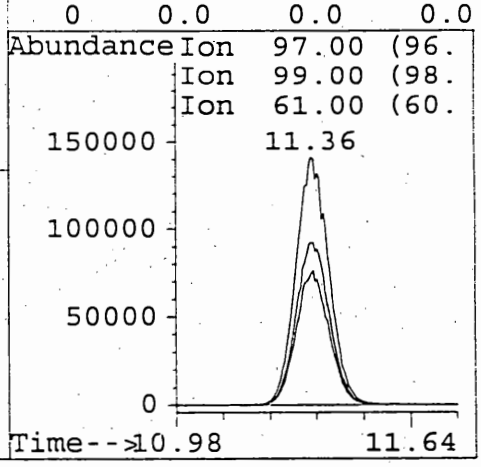




#22
1,1,1-Trichloroethane
Concen: 156.63 UG/L
RT: 11.36 min Scan# 1151
Delta R.T. 0.04 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

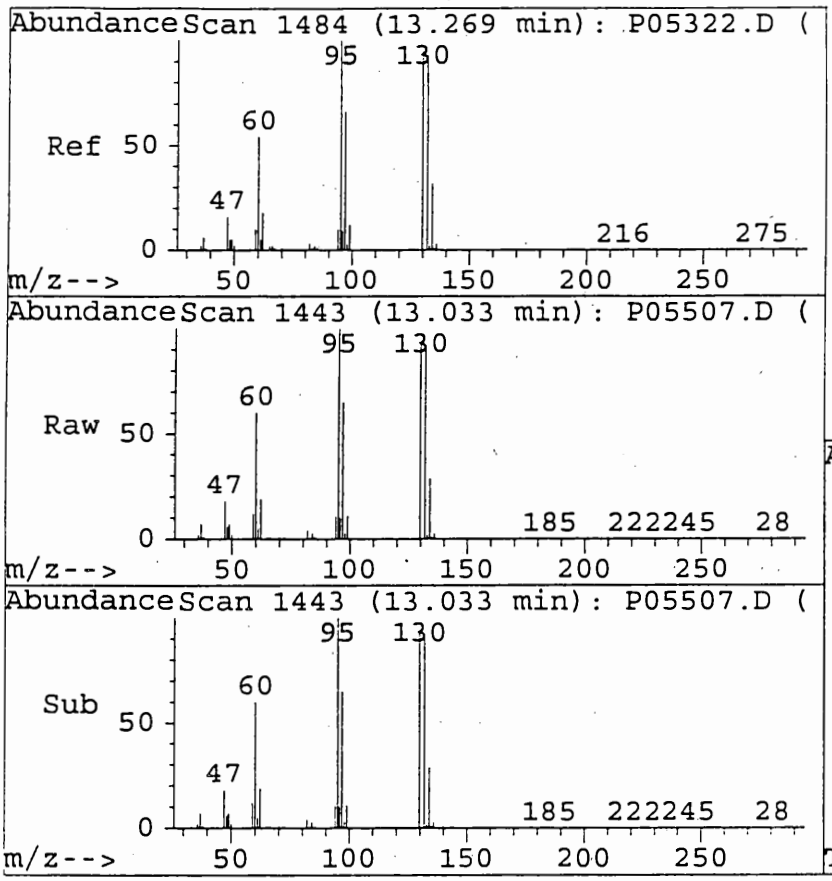
Tgt Ion:97 Resp: 899277

Ion	Ratio	Lower	Upper
97	100		
99	65.5	46.6	86.6
61	52.4	27.5	67.5
0	0.0	0.0	0.0



Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Wed Feb 12 15:58:32 1997 JON

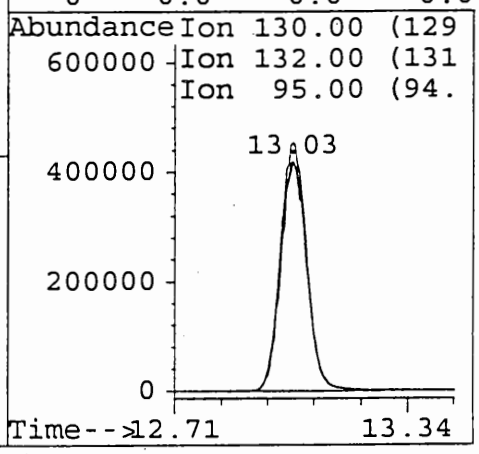
C14S

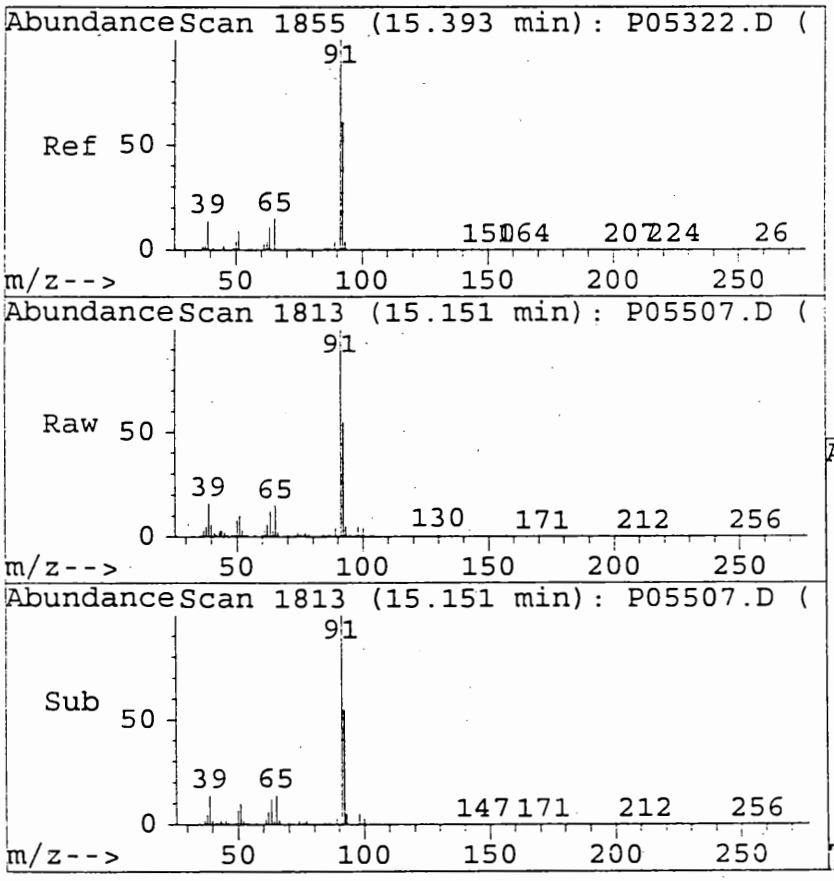


#24
Trichloroethene
Concen: 656.21 UG/L
RT: 13.03 min Scan# 1443
Delta R.T. 0.05 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:130 Resp: 2088881

Ion	Ratio	Lower	Upper
130	100		
132	99.3	82.0	122.0
95	108.0	80.0	120.0
0	0.0	0.0	0.0

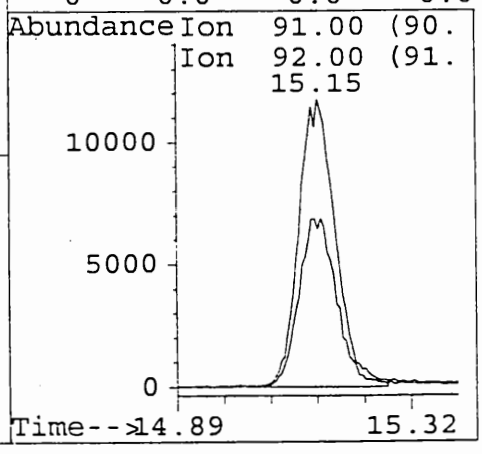




#36
Toluene
Concen: 10.19 UG/L
RT: 15.15 min Scan# 1813
Delta R.T. 0.06 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

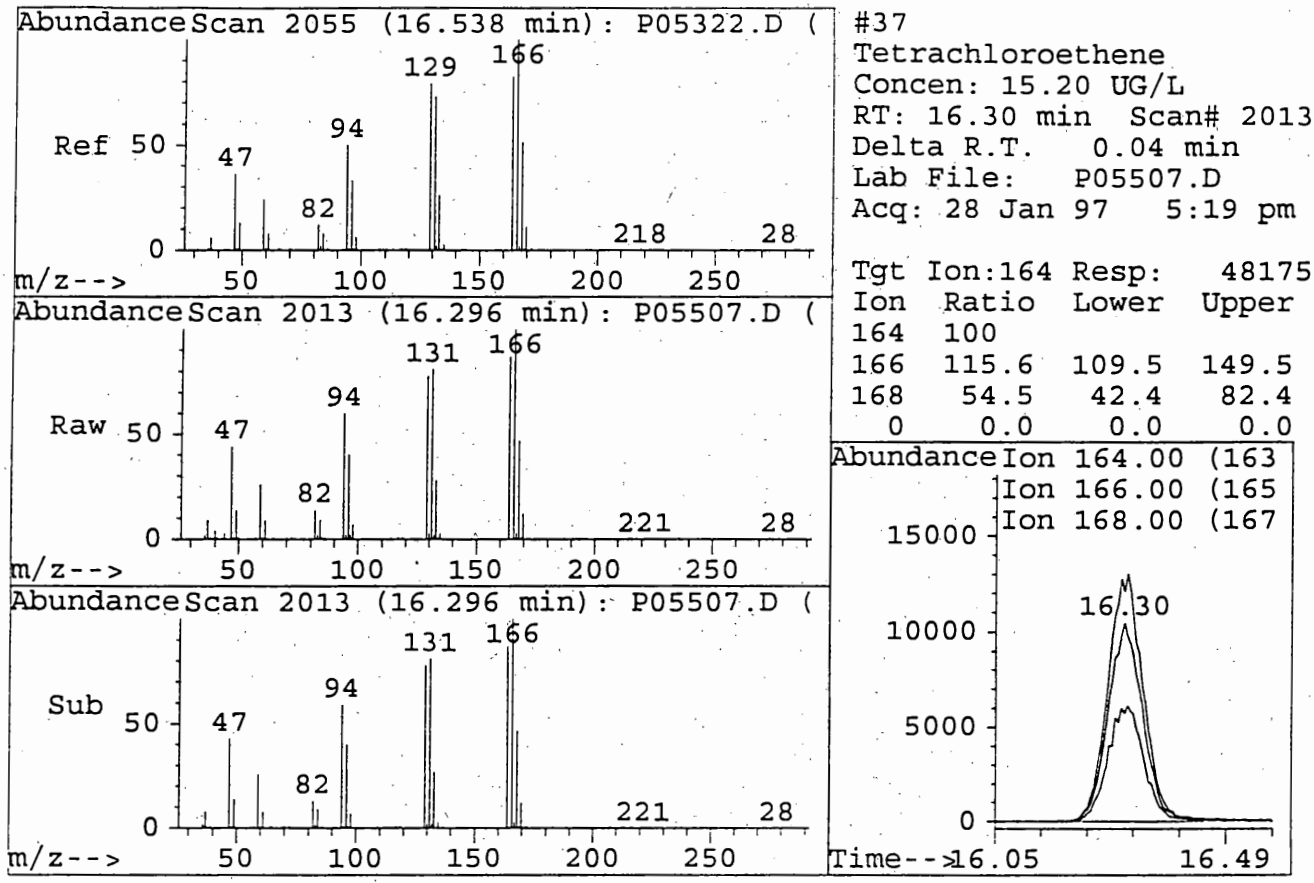
Tgt Ion:91 Resp: 55106

Ion	Ratio	Lower	Upper
91	100		
92	54.8	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Wed Feb 12 15:58:38 1997 JON

C149



#37
Tetrachloroethene
Concen: 15.20 UG/L
RT: 16.30 min Scan# 2013
Delta R.T. 0.04 min
Lab File: P05507.D
Acq: 28 Jan 97 5:19 pm

Tgt Ion:164 Resp: 48175

Ion	Ratio	Lower	Upper
164	100		
166	115.6	109.5	149.5
168	54.5	42.4	82.4
0	0.0	0.0	0.0

Sample Name: 9702039
Misc. Info: B60222 H5970-3 1/27/97 5.0ML
P05507.D CLPW.M Wed Feb 12 15:58:40 1997 JON

Library Search Compound Report

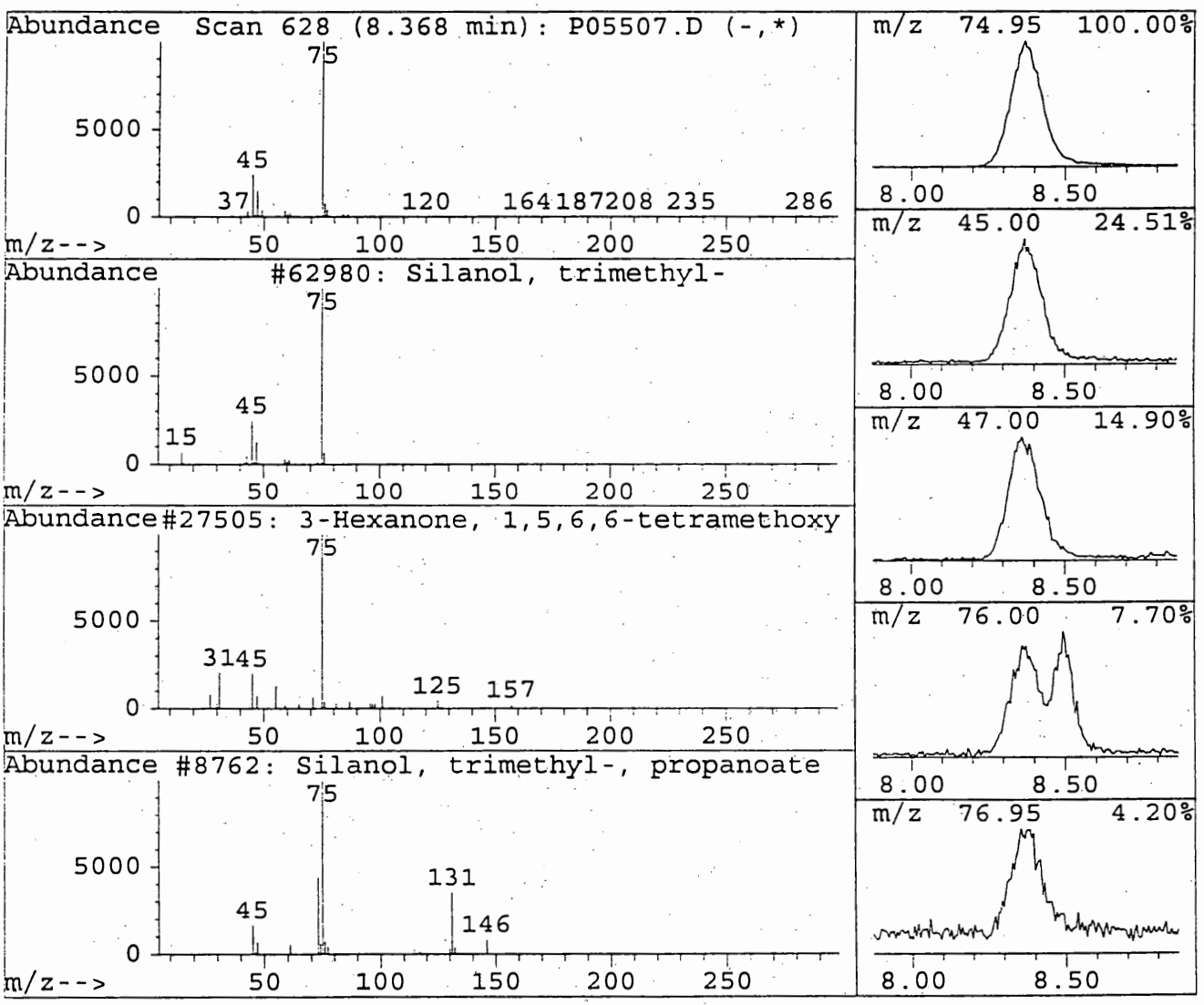
Data File : S:\MS\HP#3\JAN97\P05507.D
Acq On : 28 Jan 97 17:19
Sample : 9702039
Misc : B60222 H5970-3 1/27/97 5.0ML

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
8.37	18.79 UG/L	203678	Bromochloromethane	10.99

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	86
2	3-Hexanone, 1,5,6,6-tetramethoxy-	220	C10H20O5	053914-29-7	40
3	Silanol, trimethyl-, propanoate	146	C6H14O2Si	016844-98-7	40
4	Acetic acid, (trimethylsilyl)-	132	C5H12O2Si	002345-38-2	39
5	3-(Methylthio)-2-butanone	118	C5H10OS	053475-15-3	32



V C151

Library Search Compound Report

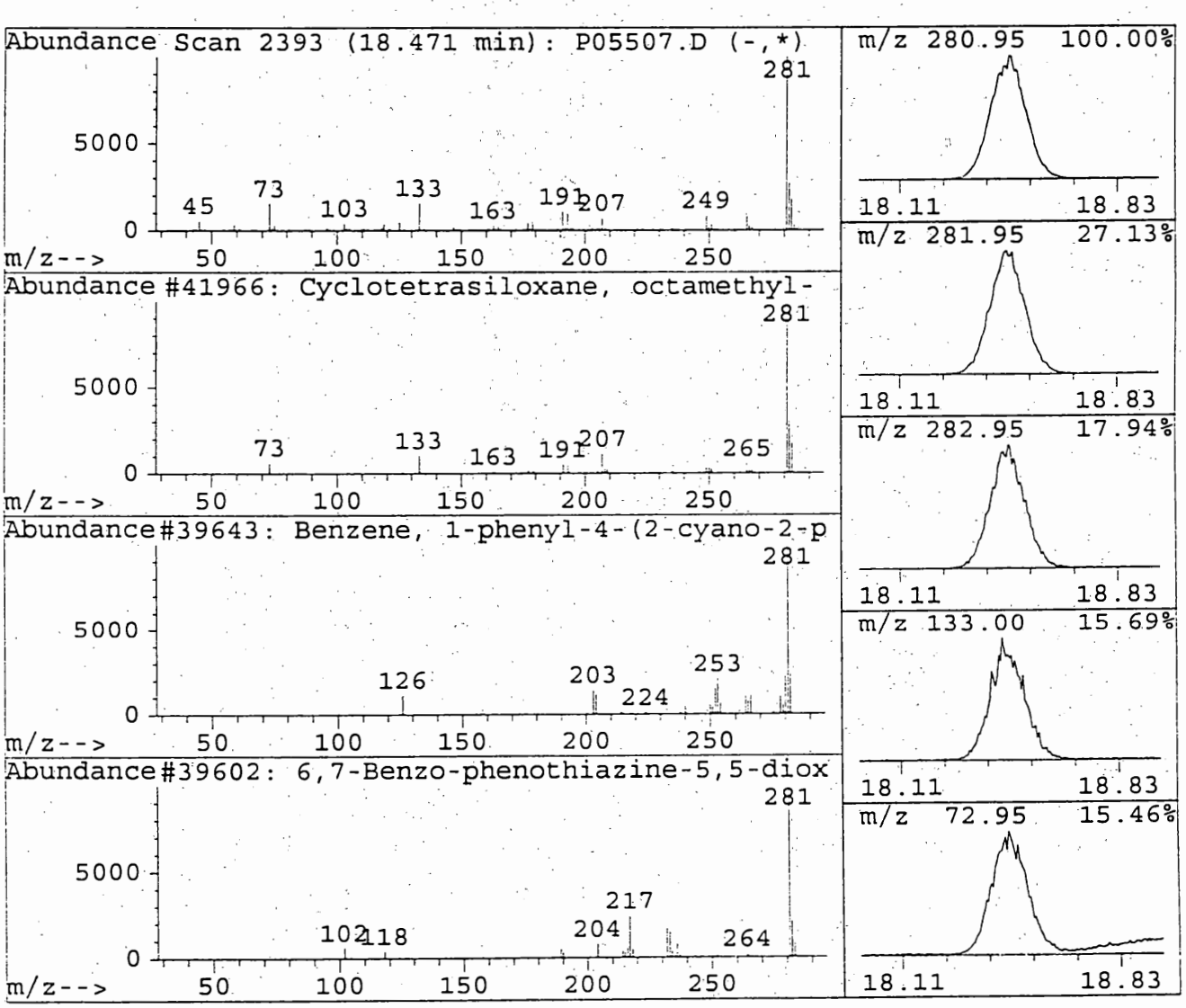
Data File : S:\MS\HP#3\JAN97\P05507.D
Acq On : 28 Jan 97 17:19
Sample : 9702039
Misc : B60222 H5970-3 1/27/97 5.0ML

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.47	52.93 UG/L	827595	Chlorobenzene-d5	17.68

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	64
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	50
3	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	9
4	2(1H)-Pyrimidinone, 5-chloro-4,6-di	282	C16H11ClN2O	028567-83-1	7
5	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5



V C152

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B60222DL

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05532.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	110	D
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-4	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	8	JD
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	180	D
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	710	D
71-43-2	Benzene	50	U
124-48-1	Dibromochloromethane	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	14	JD
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	10	JD
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B60222DL

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702039DL 1:5

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05532.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 5.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

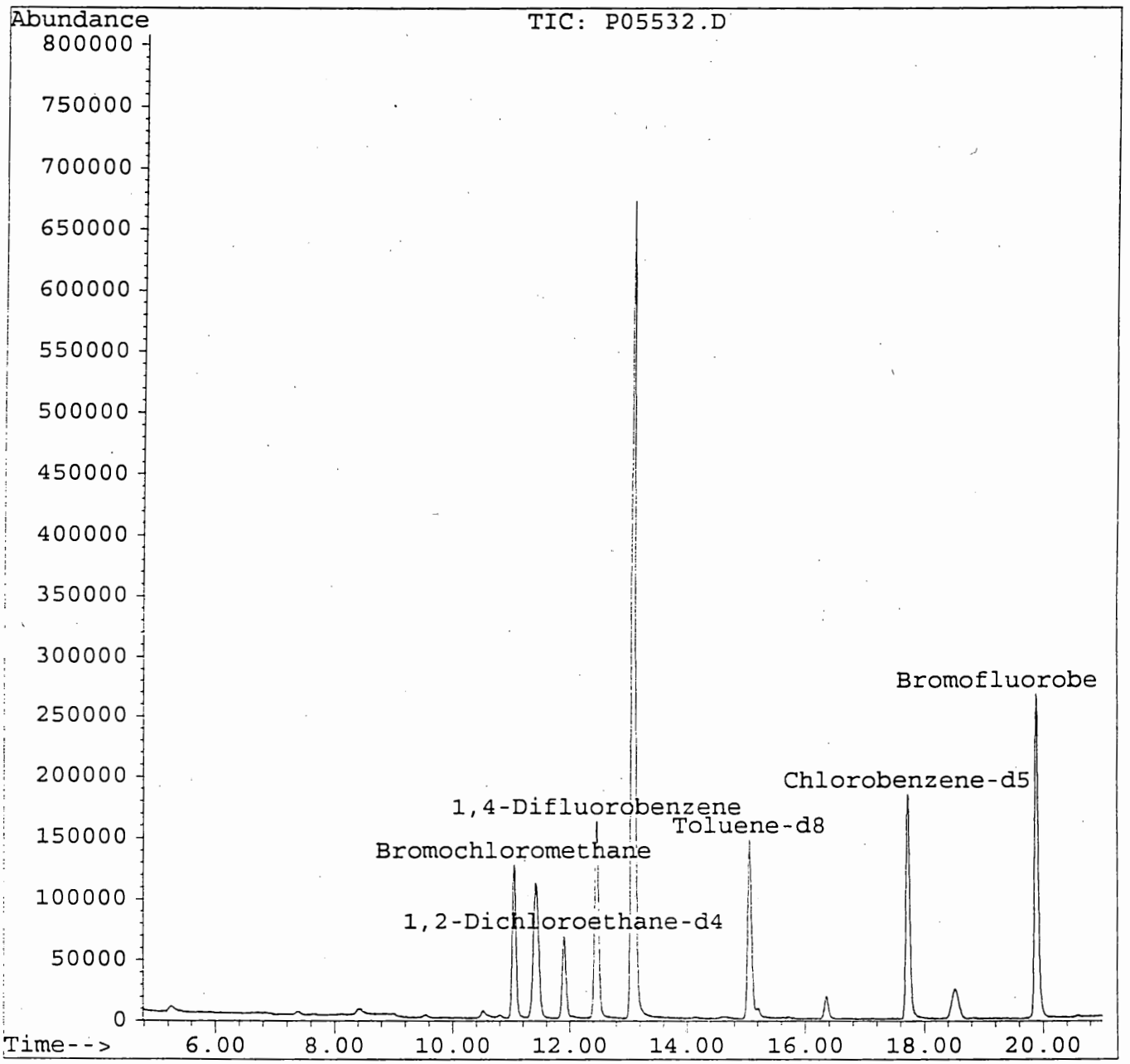
Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 000556-67-2	Cyclotetrasiloxane, octamethyl-	18.51	28	JND

Quantitation Report

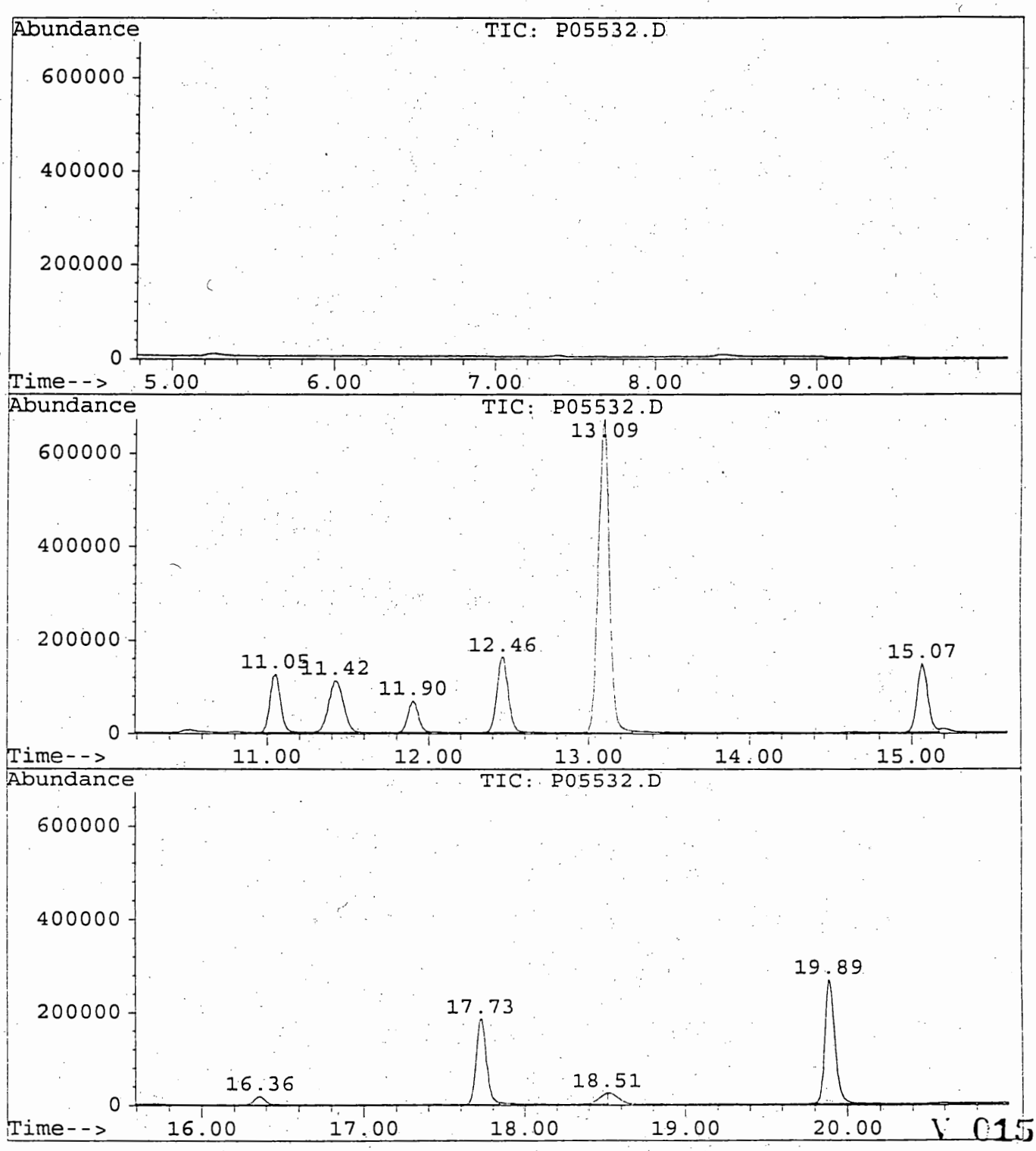
Data File : S:\MS\HP#3\JAN97\P05532.D Vial: 14
Acq On : 29 Jan 97 8:13 pm Operator: GLENN
Sample : 9702039DL 1:5 Inst : 5970 - In
Misc : B60222 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:08 1997

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



\ 0155

File : S:\MS\HP#3\JAN97\P05532.D
Operator : GLENN
Acquired : 29 Jan 97 20:13 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702039DL 1:5
Misc Info : B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Vial Number: 14



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05532.D Vial: 14
Acq On : 29 Jan 97 20:13 Operator: GLENN
Sample : 9702039DL 1:5 Inst : 5970 - In
Misc : B60222 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00
Quant Time: Feb 11 18:08 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.05	128	74735	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.47	114	284111	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.73	117	229416	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.90	65	118955	56.51	UG/L	113.02%
34) Toluene-d8	15.07	98	231753	48.74	UG/L	97.49%
43) Bromofluorobenzene	19.89	95	226694	53.09	UG/L	106.19%
Target Compounds						**Qvalue**
8) Acetone	7.38	43	11223	21.39	UG/L	75
14) cis-,1,2-Dichloroethene	10.51	96	4735	1.43	UG/L	88
15) 1,2-Dichloroethene (total)	10.51	96	5064m	1.55	UG/L	1
22) 1,1,1-Trichloroethane	11.42	97	215555	36.15	UG/L	95
24) Trichloroethene	13.09	130	509033	142.35	UG/L	93
36) Toluene	15.21	91	11920	1.93	UG/L	90
37) Tetrachloroethene	16.35	164	10246	2.85	UG/L	88

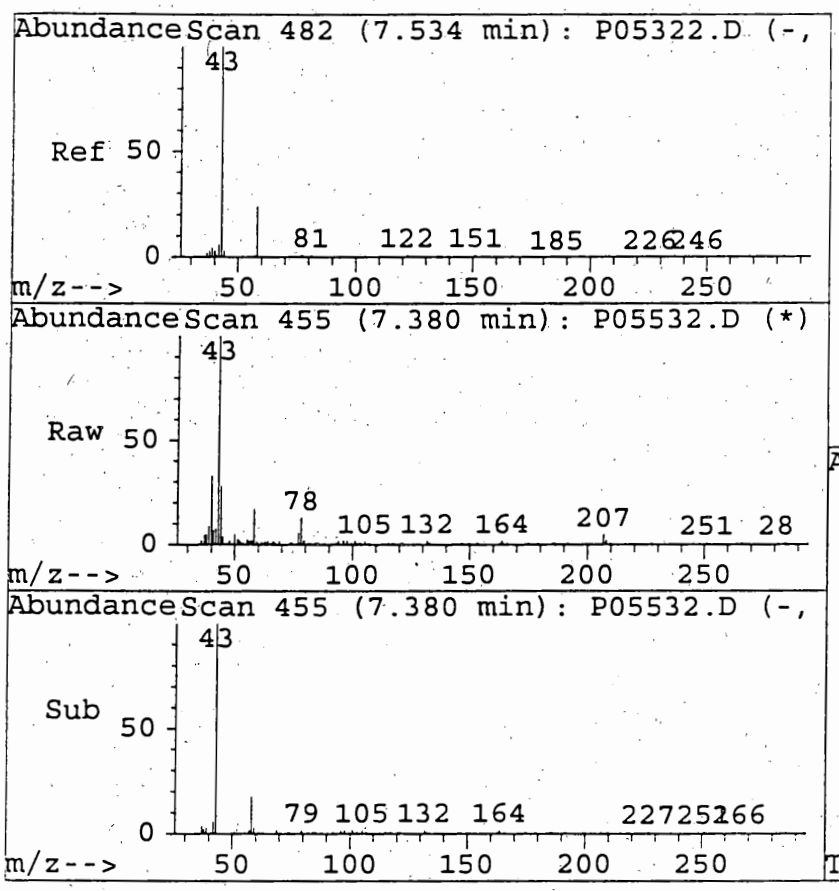
2/13/97

(#) = qualifier out of range (m) = manual integration

Tentatively Identified Compound (LSC) summary

Operator ID: GLENN Date Acquired: 29 Jan 97 20:13
Data File: S:\MS\HP#3\JAN97\P05532.D
Name: 9702039DL 1:5
Misc: B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
Method: CLPW
Title: VOA CLP WATER METHOD
Library Searched: NBS75K.L

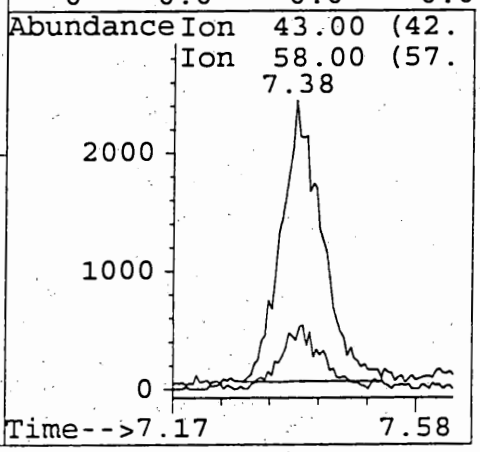
TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Cyclotetrasiloxane,	18.51	5.7	UG/L	91931	ISTD03	17.73	810434	50.0

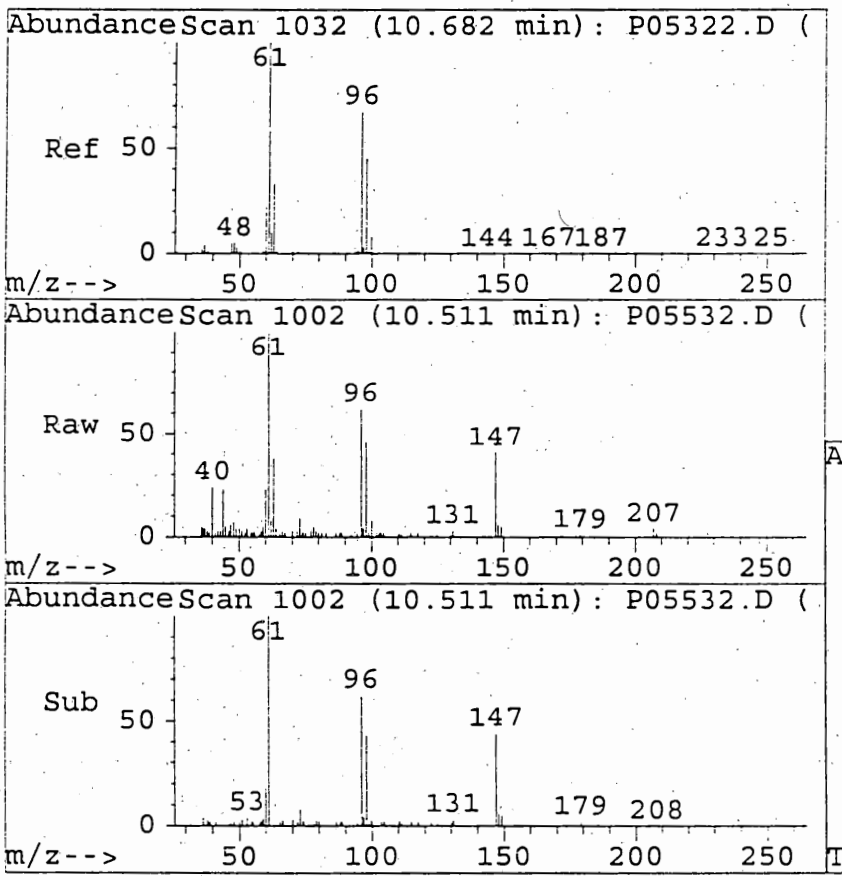


#8
Acetone
Concen: 21.39 UG/L
RT: 7.38 min Scan# 455
Delta R.T. -0.02 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

Tgt Ion:43 Resp: 11223

Ion	Ratio	Lower	Upper
43	100		
58	16.4	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

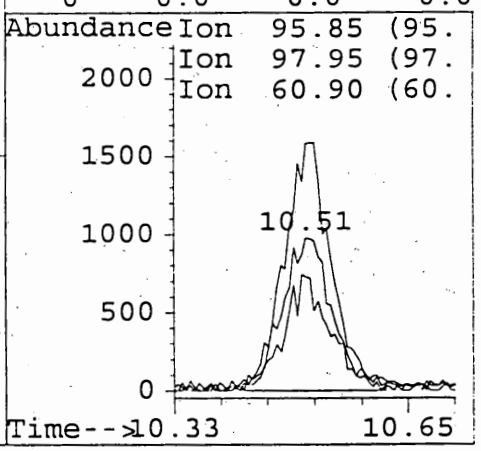




#14
cis-,1,2-Dichloroethene
Concen: 1.43 UG/L
RT: 10.51 min Scan# 1002
Delta R.T. -0.01 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

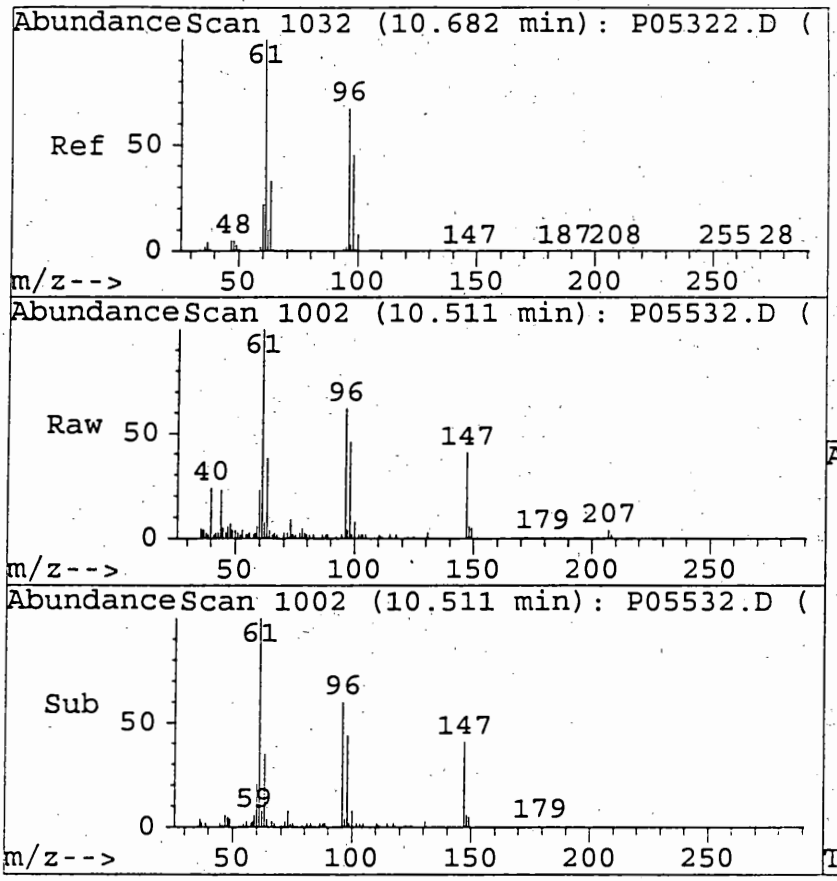
Tgt Ion:95.85 Resp: 4735

Ion	Ratio	Lower	Upper
96	100		
98	69.2	53.1	79.6
61	150.0	105.0	157.5
0	0.0	0.0	0.0



Sample Name: 9702039DL 1:5
Misc. Info: B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05532.D CLPW.M Wed Feb 12 16:05:15 1997 JON

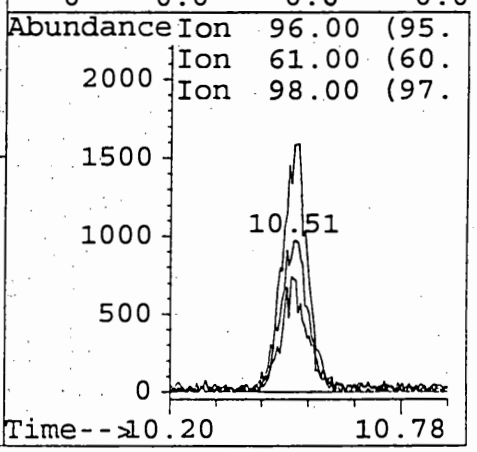
V 0159

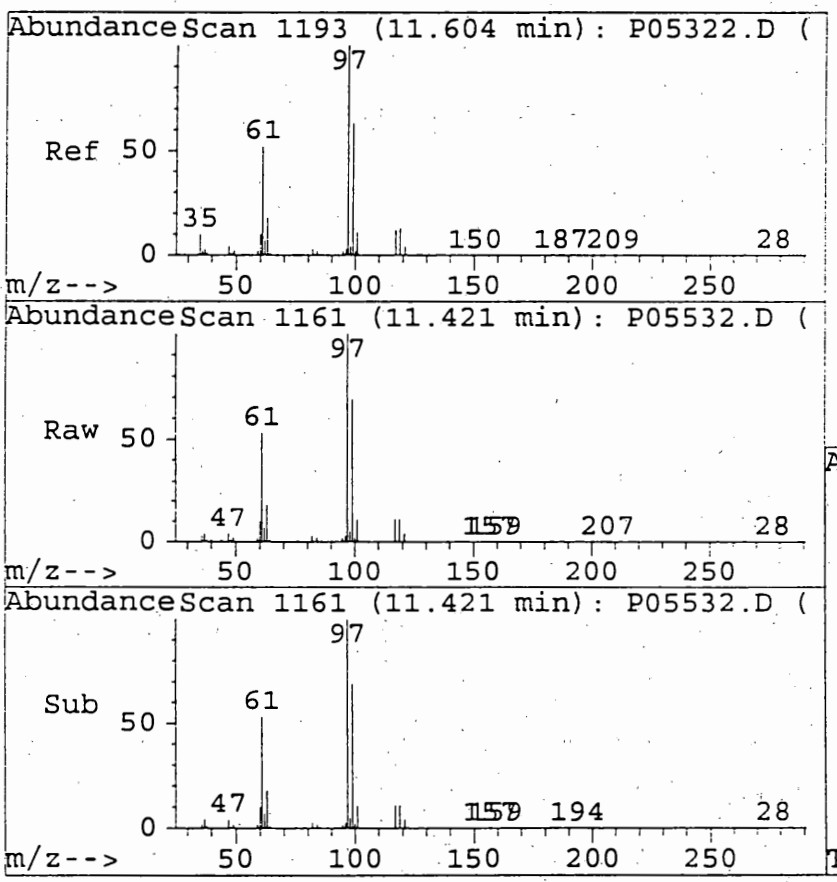


#15
1,2-Dichloroethene (total)
Concen: 1.55 UG/L m
RT: 10.51 min Scan# 1002
Delta R.T. 1.63 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

Tgt Ion:96 Resp: 5064

Ion	Ratio	Lower	Upper
96	100		
61	162.1	111.6	151.6#
98	74.3	44.6	84.6
0	0.0	0.0	0.0

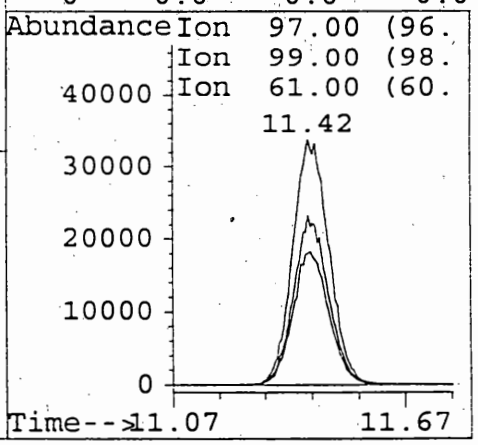




#22
1,1,1-Trichloroethane
Concen: 36.15 UG/L
RT: 11.42 min Scan# 1161
Delta R.T. -0.01 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

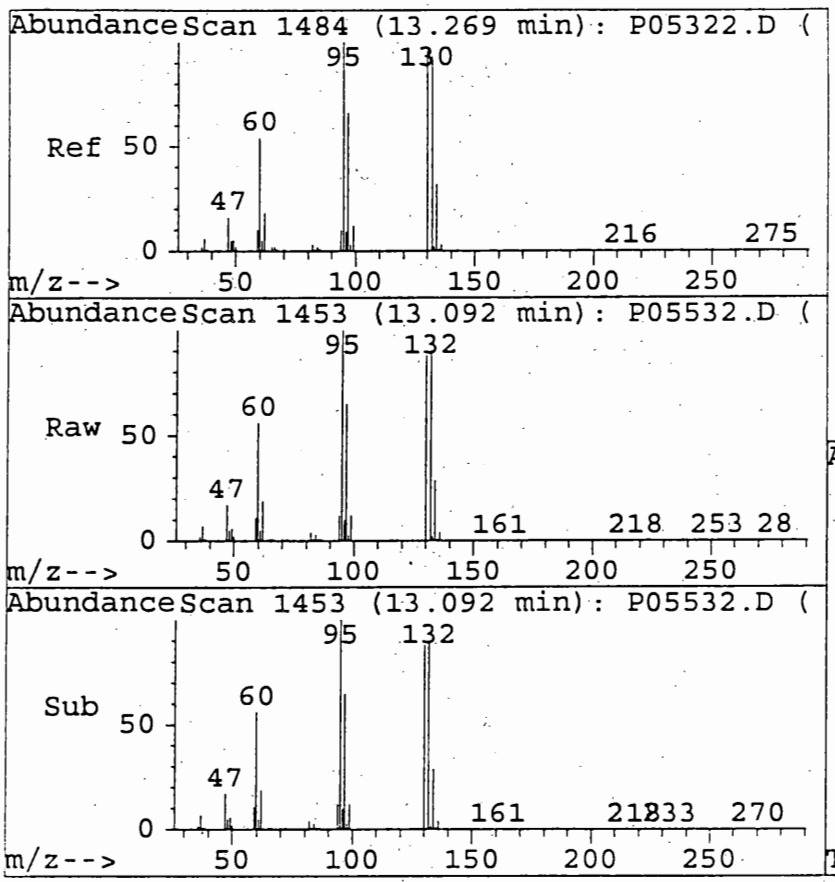
Tgt Ion:97 Resp: 215555

Ion	Ratio	Lower	Upper
97	100		
99	68.7	46.6	86.6
61	53.0	27.5	67.5
0	0.0	0.0	0.0



V C160

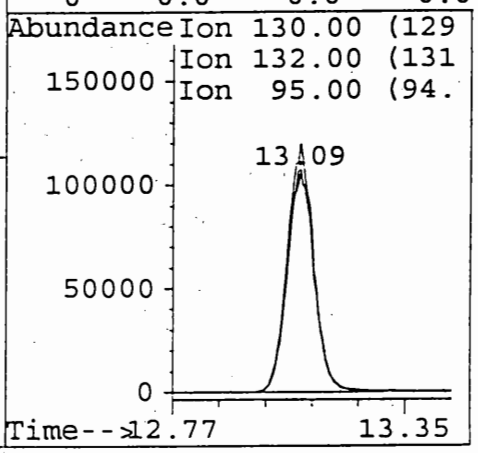
Sample Name: 9702039DL 1:5
Misc. Info: B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05532.D CLPW.M Wed Feb 12 16:05:22 1997 JON

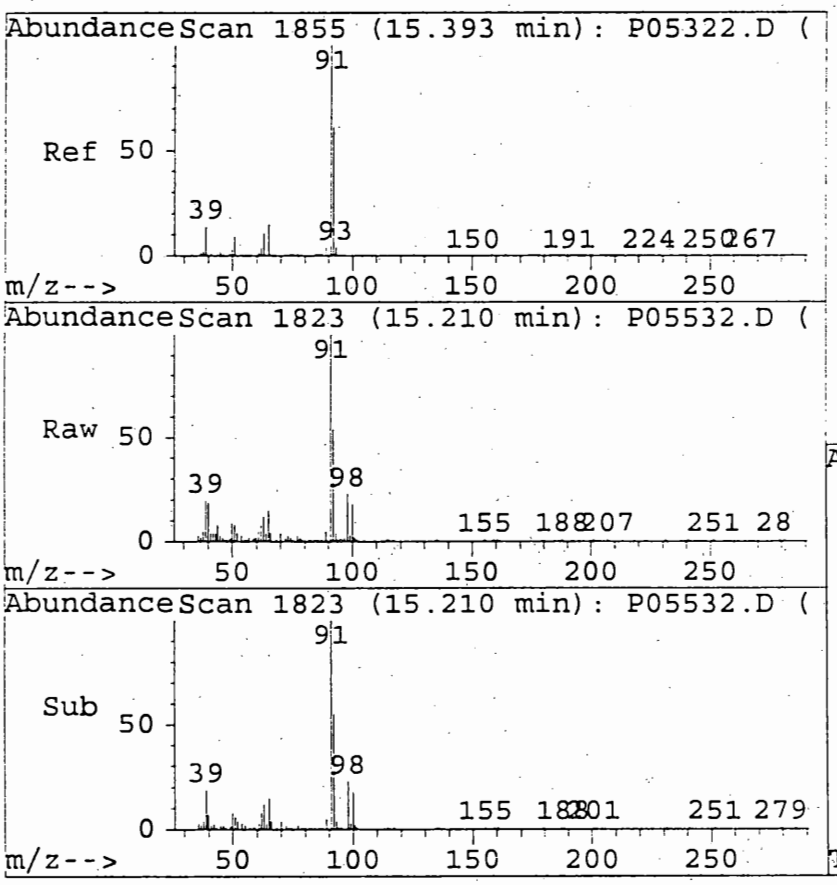


#24
Trichloroethene
Concen: 142.35 UG/L
RT: 13.09 min Scan# 1453
Delta R.T. -0.01 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

Tgt Ion:130 Resp: 509033

Ion	Ratio	Lower	Upper
130	100		
132	101.6	82.0	122.0
95	113.0	80.0	120.0
0	0.0	0.0	0.0

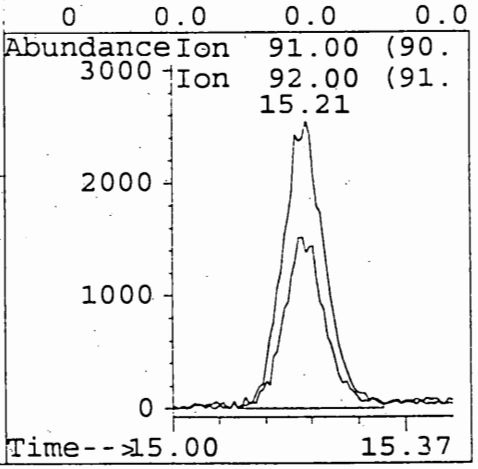




#36
Toluene
Concen: 1.93 UG/L
RT: 15.21 min Scan# 1823
Delta R.T. -0.01 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

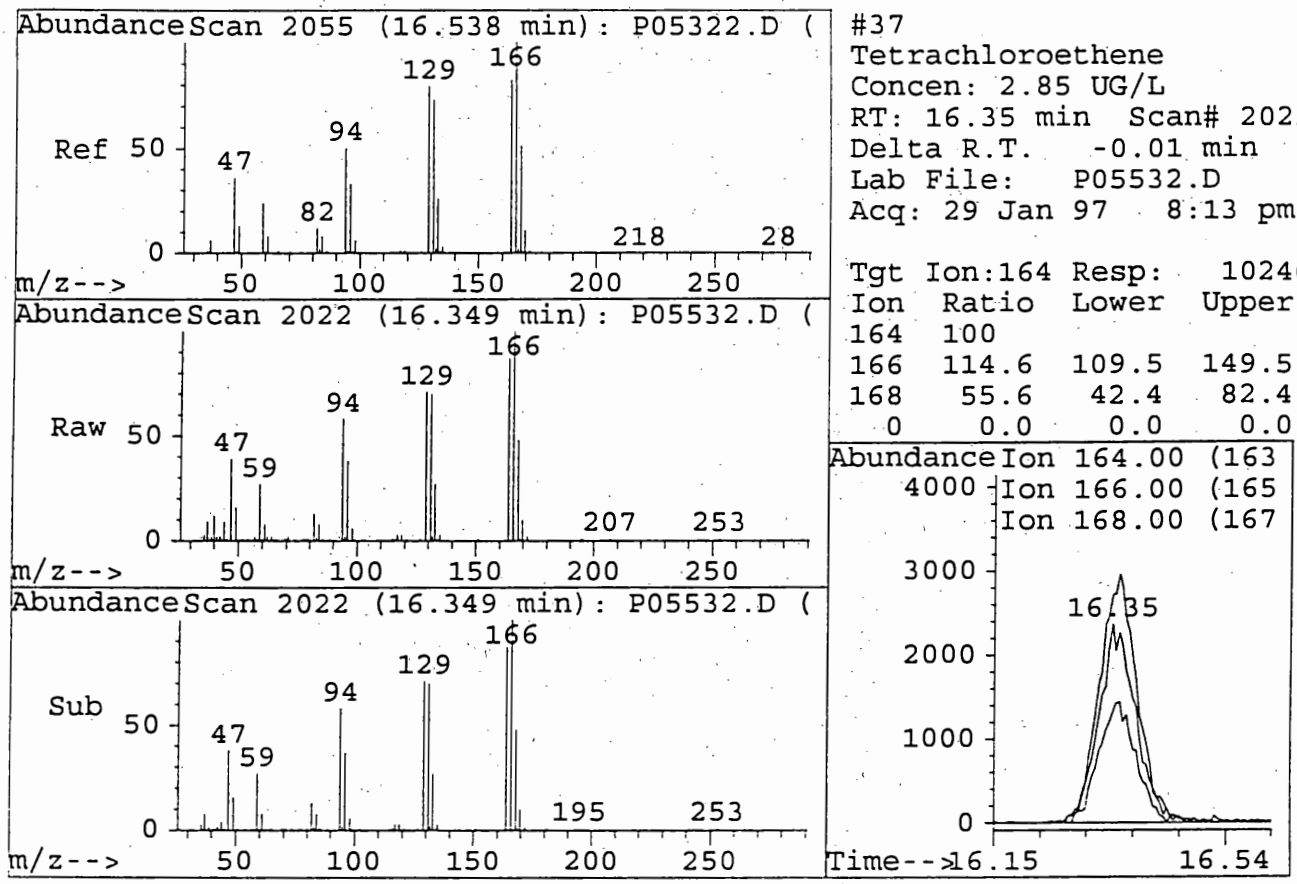
Tgt Ion:91 Resp: 11920

Ion	Ratio	Lower	Upper
91	100		
92	52.9	40.1	80.1
0	0.0	0.0	0.0
0	0.0	0.0	0.0



Sample Name: 9702039DL 1:5
Misc. Info: B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05532.D CLPW.M Wed Feb 12 16:05:30 1997 JON

V 0161



#37
Tetrachloroethene
Concen: 2.85 UG/L
RT: 16.35 min Scan# 2022
Delta R.T. -0.01 min
Lab File: P05532.D
Acq: 29 Jan 97 8:13 pm

Tgt Ion:164 Resp: 10246

Ion	Ratio	Lower	Upper
164	100		
166	114.6	109.5	149.5
168	55.6	42.4	82.4
0	0.0	0.0	0.0

Sample Name: 9702039DL 1:5
Misc. Info: B60222 H5970-3 1/29/97 5.0ML 10UL ANTIFO
P05532.D CLPW.M Wed Feb 12 16:05:35 1997 JON

C162

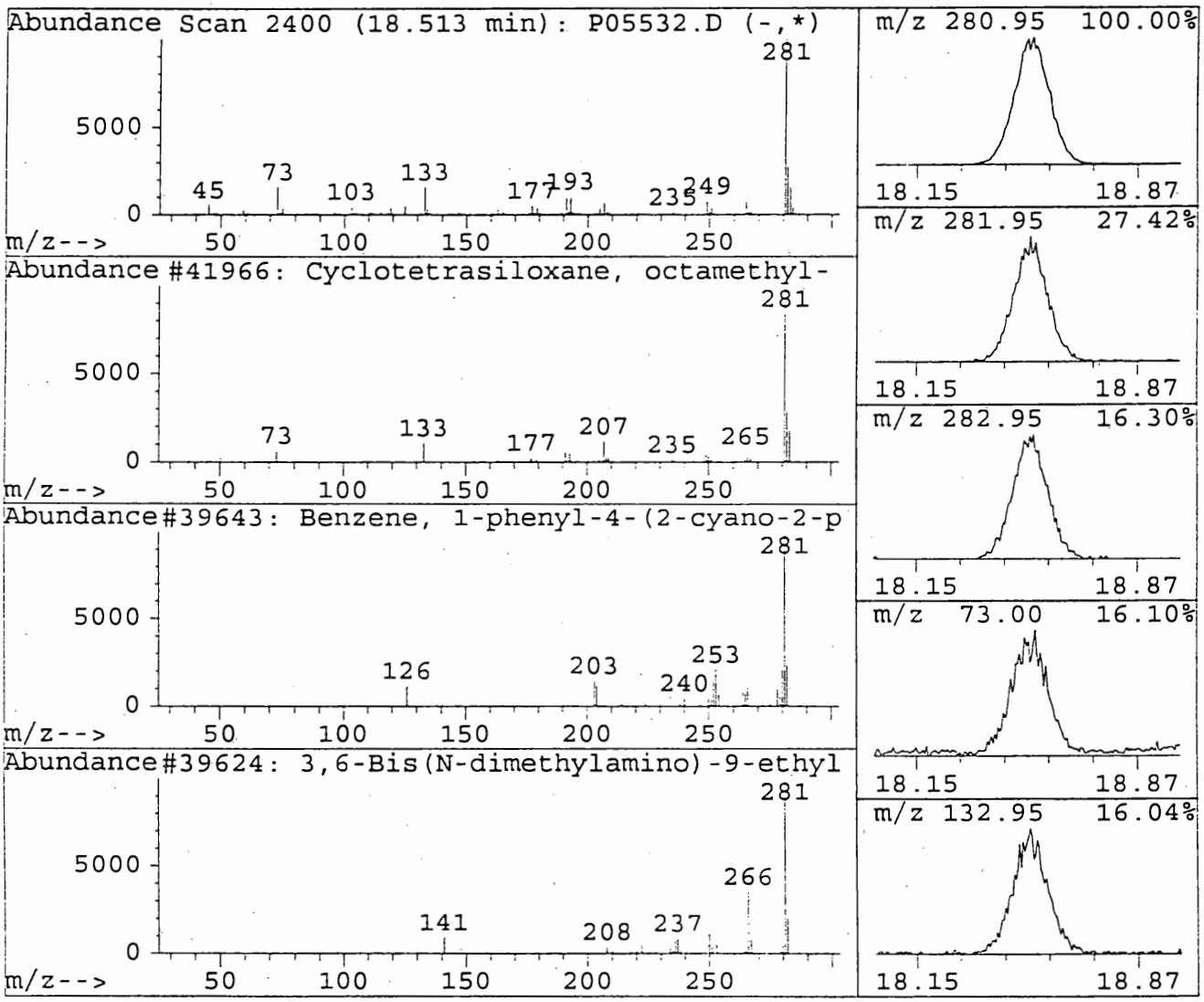
Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05532.D Vial: 14
Acq On : 29 Jan 97 20:13 Operator: GLENN
Sample : 9702039DL 1:5 Inst : 5970 - In
Misc : B60222 H5970-3 1/29/97 5.0ML 10UL AN Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
18.51	5.67 UG/L	91931	Chlorobenzene-d5	17.73

Hit# of 10	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	72
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	50
3	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	28
4	2(1H)-Pyrimidinone, 5-chloro-4,6-di	282	C16H11ClN2O	028567-83-1	9
5	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	9



V C163

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702046

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05541.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: 9702046

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05541.D

Level: (low/med) LOW Date Received: 01/23/97

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

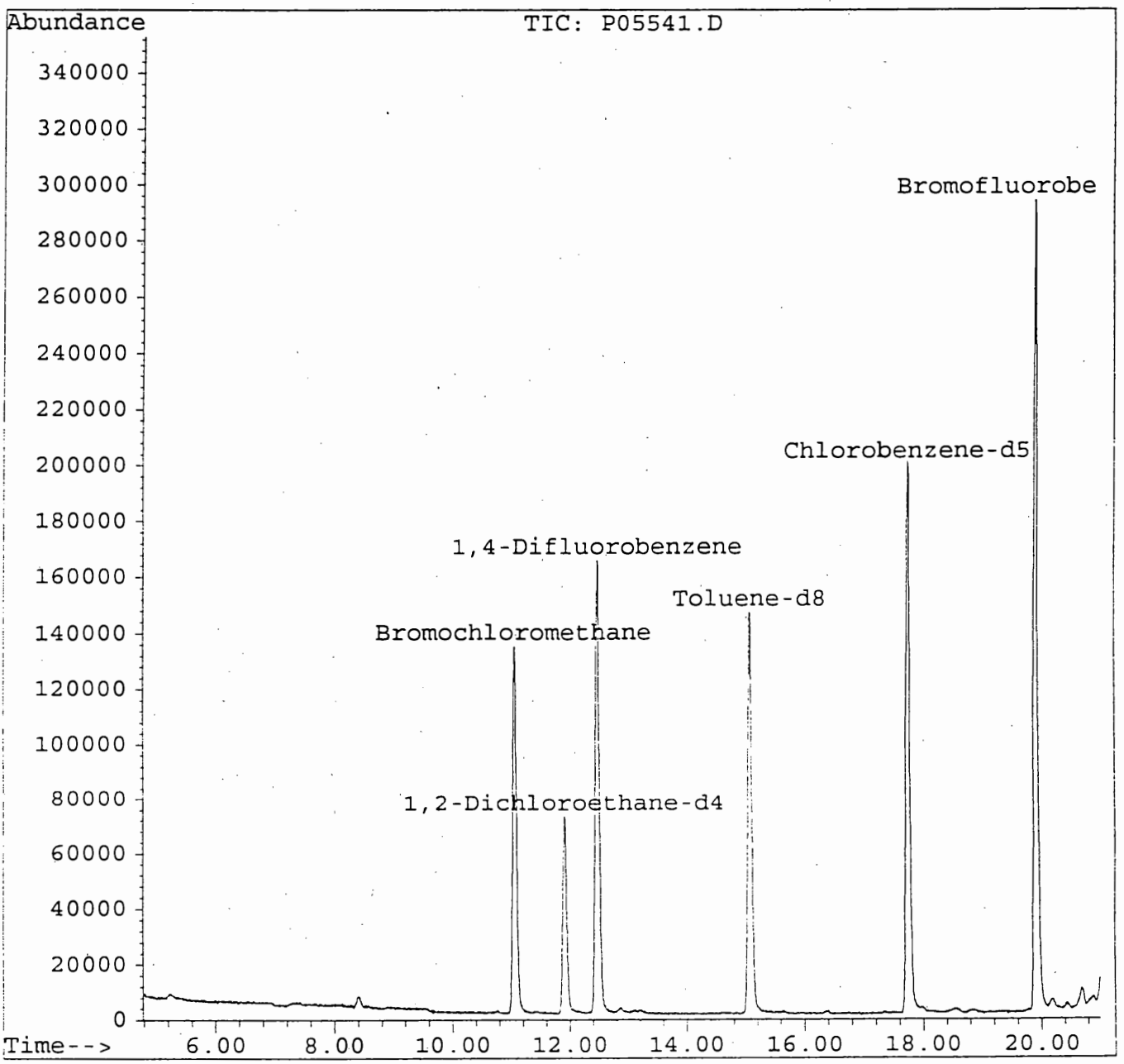
V 0165

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05541.D
Acq On : 30 Jan 97 2:23 pm
Sample : 9702046
Misc : TRIP BLANK H5970-3 1/30/97 5.0ML
Quant Time: Feb 11 18:16 1997

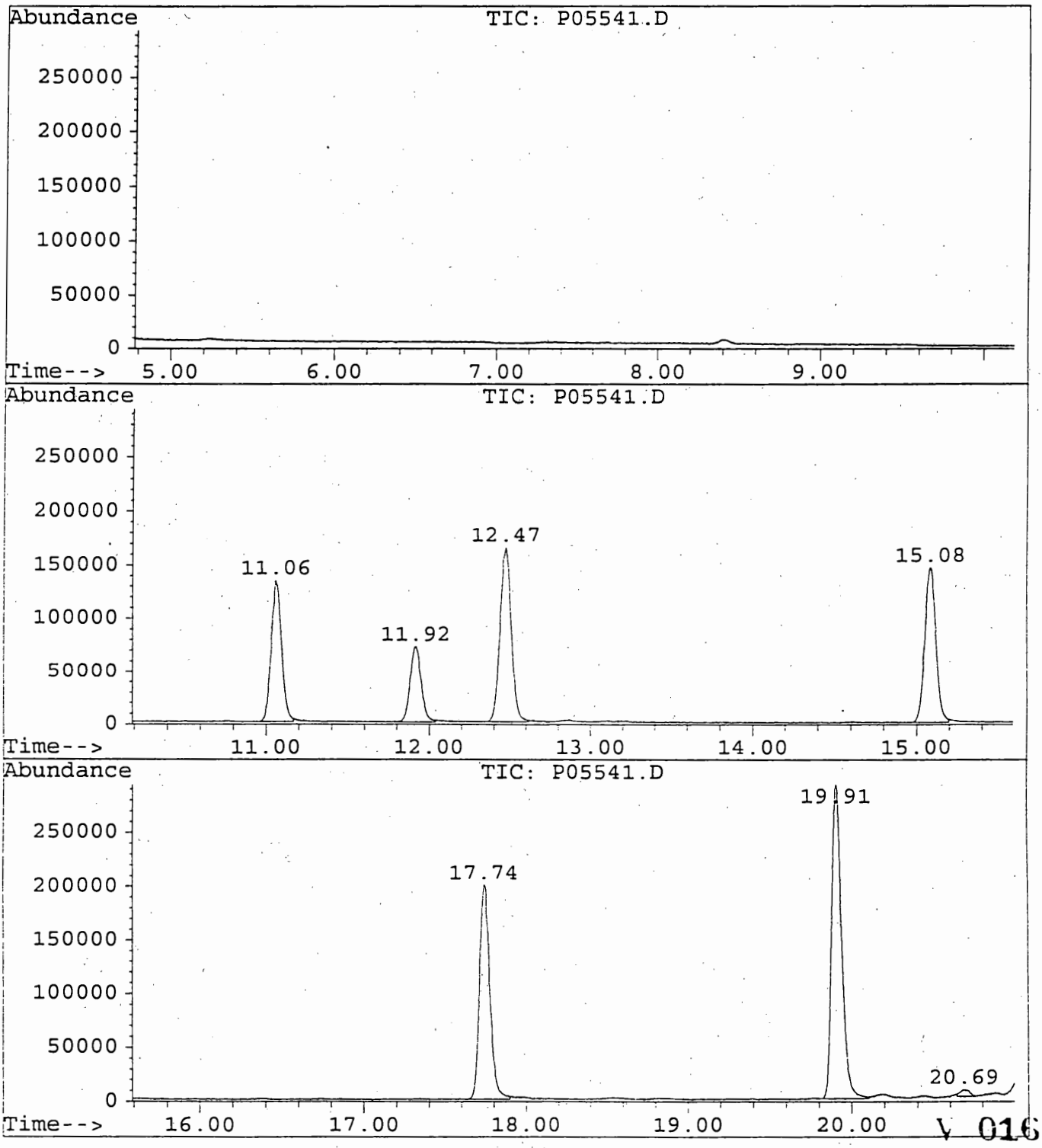
Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0166

File : S:\MS\HP#3\JAN97\P05541.D
Operator : GLENN
Acquired : 30 Jan 97 14:23 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: 9702046
Misc Info : TRIP BLANK H5970-3 1/30/97 5.0ML
Vial Number: 5



V 0167

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05541.D Vial: 5
Acq On : 30 Jan 97 14:23 Operator: GLENN
Sample : 9702046 Inst : 5970 - In
Misc : TRIP BLANK H5970-3 1/30/97 5.0ML Multiplr: 1.00
Quant Time: Feb 11 18:16 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 30 12:38:50 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05537.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.07	128	78478	50.00	UG/L	-0.01
21) 1,4-Difluorobenzene	12.47	114	285800	50.00	UG/L	-0.01
33) Chlorobenzene-d5	17.76	117	246038	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.91	65	130017	51.78	UG/L	103.56%
34) Toluene-d8	15.08	98	234307	47.08	UG/L	94.16%
43) Bromofluorobenzene	19.91	95	246332	50.80	UG/L	101.61%
Target Compounds						**Qvalue**
9) Methylene Chloride	8.39	84	3471	1.22	UG/L	# 82

(#) = qualifier out of range (m) = manual integration
P05541.D CLPW.M Wed Feb 12 16:08:12 1997 JON

V 0168

Library Search Compound Report

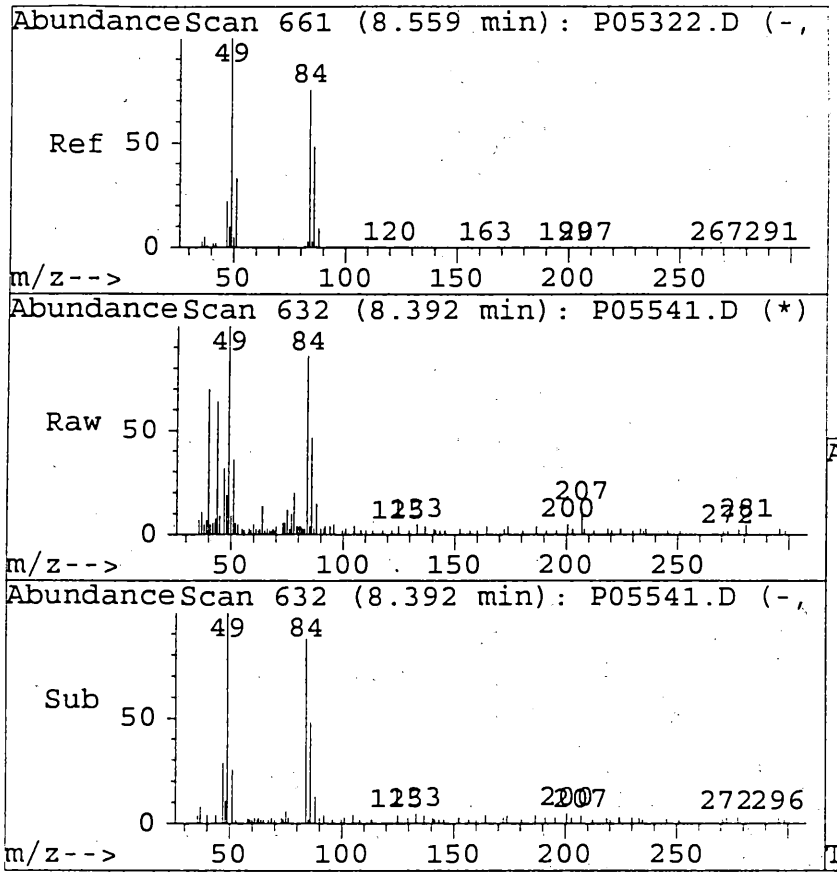
Data File : S:\MS\HP#3\JAN97\P05541.D
Acq On : 30 Jan 97 14:23
Sample : 9702046
Misc : TRIP BLANK H5970-3 1/30/97 5.0ML

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

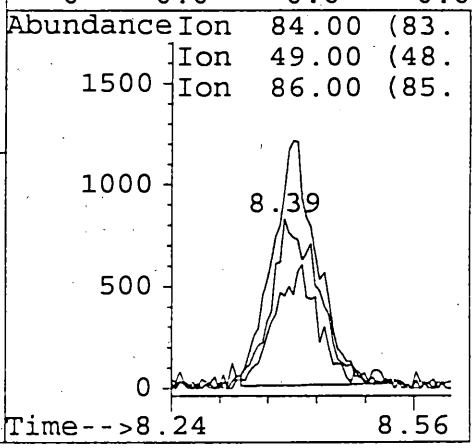
V 0169



#9
Methylene Chloride
Concen: 1.22 UG/L
RT: 8.39 min Scan# 632
Delta R.T. -0.05 min
Lab File: P05541.D
Acq: 30 Jan 97 2:23 pm

Tgt Ion:84 Resp: 3471

Ion	Ratio	Lower	Upper
84	100		
49	112.2	113.6	153.6#
86	53.1	48.1	88.1
0	0.0	0.0	0.0



Sample Name: 9702046
Misc. Info: TRIP BLANK H5970-3 1/30/97 5.0ML
P05541.D CLPW.M Wed Feb 12 16:08:30 1997 JON

H2M LABS, INC.

III. STANDARD DATA PACKAGE FOR VOLATILE ORGANICS

A. INITIAL CALIBRATION FORM
B. STANDARD GC/MS CHROMATOGRAMS
C. DATA SYSTEM REPORT
D. CONTINUING CALIBRATION FORM
E. STANDARD GC/MS CHROMATOGRAMS
F. DATA SYSTEM REPORT

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date(s): 12/31/96 12/31/96

Heated Purge (Y/N): N Calibration Times: 11:19 16:42

GC Column: RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 = P05330.D RRF20 = P05321.D
RRF50 = P05322.D RRF100 = P05323.D RRF200 = P05324.D

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane		1.166	1.404	1.270	1.271	1.247	1.272	6.7	
Bromomethane	*	2.191	2.126	2.023	2.075	2.063	2.096	3.1	*
Vinyl Chloride	*	1.436	1.549	1.376	1.314	1.278	1.391	7.7	*
Chloroethane		0.983	1.029	0.958	0.964	0.947	0.976	3.3	
Methylene Chloride		1.752	1.660	1.613	1.618	1.564	1.641	4.3	
Acetone		0.444	0.384	0.302	0.290	0.289	0.342	20.2	
Carbon Disulfide		4.917	4.980	4.938	5.055	4.994	4.977	1.1	
1,1-Dichloroethene	*	1.784	1.776	1.687	1.755	1.691	1.739	2.7	*
1,1-Dichloroethane	*	3.319	3.319	3.266	3.324	3.314	3.308	0.7	*
1,2-Dichloroethene (total)		2.009	1.854	1.794	1.823	1.814	1.859	4.7	
Chloroform	*	4.216	3.992	3.985	4.089	3.990	4.054	2.5	*
1,2-Dichloroethane	*	1.972	1.983	2.003	2.016	2.041	2.003	1.4	*
2-Butanone		0.473	0.364	0.352	0.327	0.317	0.367	17.0	
1,1,1-Trichloroethane	*	0.964	0.944	0.946	0.916	0.959	0.946	2.0	*
Carbon Tetrachloride	*	0.923	0.912	0.911	0.899	0.915	0.912	1.0	*
Bromodichloromethane	*	1.067	1.068	1.126	1.113	1.128	1.100	2.8	*
1,2-Dichloropropane		0.436	0.446	0.449	0.440	0.447	0.443	1.2	
cis-1,3-Dichloropropene	*	0.599	0.614	0.652	0.622	0.660	0.629	4.1	*
Trichloroethene	*	0.640	0.645	0.579	0.572	0.596	0.606	5.6	*
Benzene	*	0.984	0.953	0.965	0.938	0.977	0.963	1.9	*
Dibromochloromethane	*	0.732	0.749	0.807	0.794	0.802	0.777	4.4	*
trans-1,3-Dichloropropene	*	0.457	0.487	0.520	0.458	0.540	0.492	7.5	*
1,1,2-Trichloroethane	*	0.353	0.344	0.362	0.346	0.358	0.353	2.2	*
Bromoform	*	0.464	0.456	0.531	0.520	0.545	0.503	8.1	*
4-Methyl-2-Pentanone		0.374	0.227	0.231	0.211	0.231	0.255	26.4	
2-Hexanone		0.290	0.201	0.192	0.167	0.210	0.212	22.0	
Tetrachloroethene	*	0.744	0.725	0.716	0.715	0.724	0.725	1.6	*
1,1,2,2-Tetrachloroethane	*	0.671	0.417	0.712	0.668	0.696	0.633	19.2	*
Toluene	*	1.380	1.348	1.332	1.342	1.391	1.359	1.9	*
Chlorobenzene	*	1.219	1.164	1.162	1.163	1.169	1.175	2.1	*
Ethylbenzene	*	0.477	0.478	0.464	0.463	0.489	0.474	2.2	*
Styrene	*	0.956	0.929	0.947	0.966	0.991	0.958	2.4	*
Xylene (total)	*	0.575	0.582	0.574	0.579	0.590	0.580	1.1	*
1,2-Dichloroethane-d4		1.386	1.301	1.341	1.348	1.371	1.349	2.4	
Toluene-d8		1.092	1.085	1.095	1.096	1.176	1.109	3.4	
Bromofluorobenzene	*	0.905	0.859	0.888	0.880	0.930	0.892	3.0	*

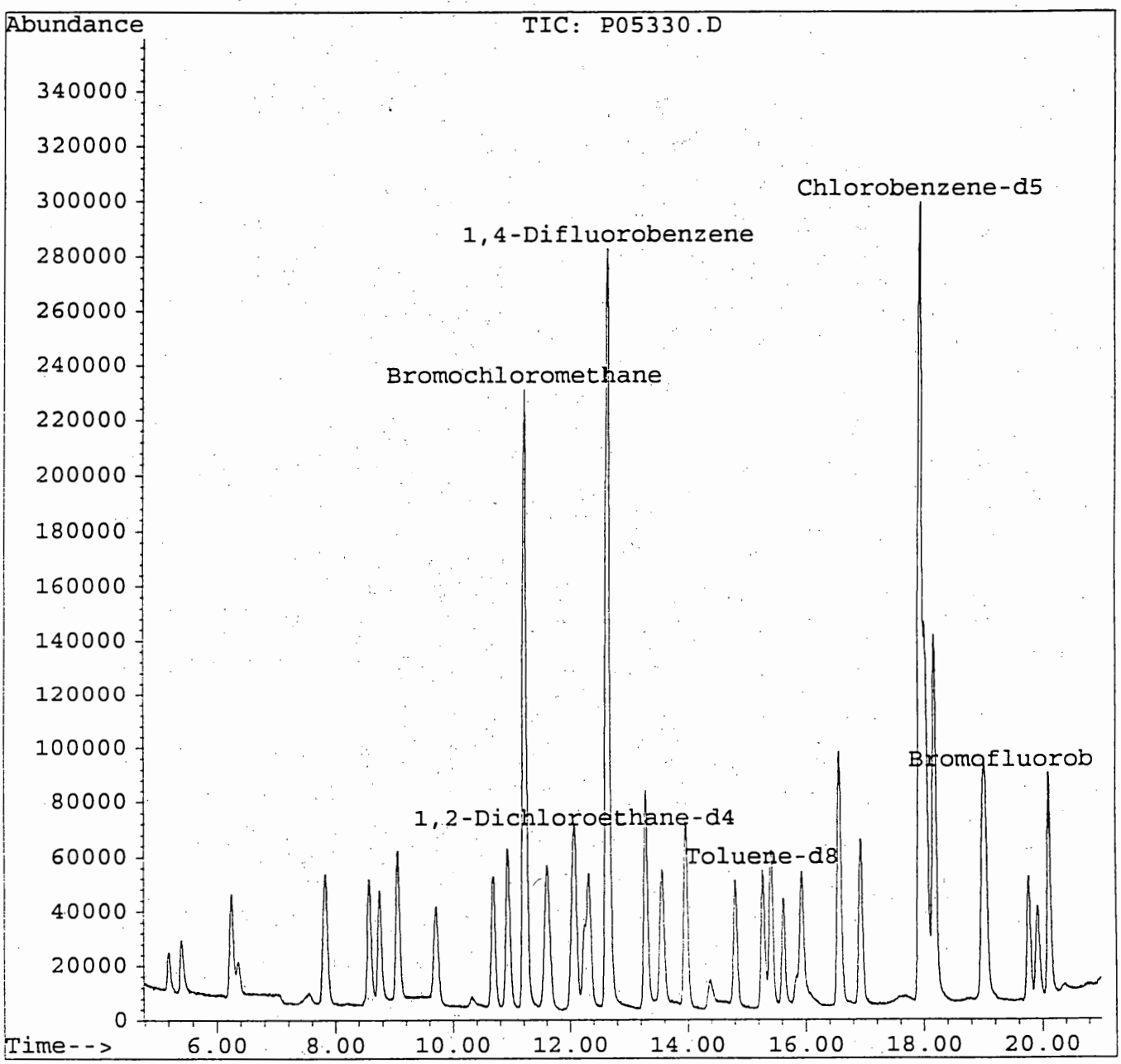
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05330.D
Acq On : 31 Dec 96 4:42 pm
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Jan 2 8:43 1997

Vial: 14
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0173

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05330.D
Acq On : 31 Dec 96 16:42
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Jan 2 8:43 1997

Vial: 14
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Dec 31 15:20:47 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05322.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.24	128	136095	50.00	UG/L		0.00
21) 1,4-Difluorobenzene	12.65	114	510750	50.00	UG/L		0.00
33) Chlorobenzene-d5	17.96	117	378876	50.00	UG/L		0.02
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.09	65	37724	10.34	UG/L		20.67%
34) Toluene-d8	15.27	98	82748	9.98	UG/L		19.95%
43) Bromofluorobenzene	20.12	95	68568	10.20	UG/L		20.39%
Target Compounds							Qvalue
2) Chloromethane	5.21	50	31746	9.18	UG/L		91
3) Vinyl Chloride	5.42	62	39080	10.43	UG/L		100
4) Bromomethane	6.25	94	59631	10.83	UG/L		100
5) Chloroethane	6.37	64	26766	10.26	UG/L		99
6) 1,1-Dichloroethene	7.83	96	48555	10.57	UG/L	#	85
7) Carbon Disulfide	8.75	76	133824	9.96	UG/L		96
8) Acetone	7.56	43	12079	14.69	UG/L		87
9) Methylene Chloride	8.58	84	47691	10.87	UG/L		97
13) trans-1,2-Dichloroethene	9.06	96	48892	10.33	UG/L		97
14) cis-,1,2-Dichloroethene	10.68	96	51540	10.69	UG/L		91
15) 1,2-Dichloroethene (total)	10.68	96	109352m	22.39	UG/L		88
16) 1,1-Dichloroethane	9.72	63	90327	10.16	UG/L		93
17) Chloroform	10.94	83	114751	10.58	UG/L		93
19) 1,2-Dichloroethane	12.25	62	53679	9.84	UG/L		89
20) 2-Butanone	10.31	43	12873	13.42	UG/L		80
22) 1,1,1-Trichloroethane	11.61	97	98449	10.19	UG/L		95
23) Carbon Tetrachloride	12.07	117	94321	10.14	UG/L		92
24) Trichloroethene	13.29	130	65323	11.04	UG/L		98
25) Benzene	12.33	78	100535	10.20	UG/L		97
26) 1,2-Dichloropropane	13.57	63	44540	9.70	UG/L		97
27) Bromodichloromethane	13.97	83	109029	9.48	UG/L		97
28) cis-1,3-Dichloropropene	14.81	75	61146	9.18	UG/L		97
29) trans-1,3-Dichloropropene	15.63	75	46708	8.79	UG/L		97
30) 1,1,2-Trichloroethane	15.94	97	36039	9.73	UG/L		95
31) Dibromochloromethane	16.93	129	74780	9.07	UG/L		97
32) Bromoform	19.77	173	47437	8.75	UG/L		98
35) 4-Methyl-2-Pentanone	14.38	43	28326	16.17	UG/L		96
36) Toluene	15.42	91	104541	10.36	UG/L		100
37) Tetrachloroethene	16.57	164	56376	10.39	UG/L		98
38) 2-Hexanone	15.84	43	21998	15.09	UG/L		97
39) Chlorobenzene	18.03	112	92355	10.49	UG/L		91
40) Ethylbenzene	18.05	106	36131	10.27	UG/L	#	85
41) Xylene (total)	19.01	106	43571	10.02	UG/L		95
42) Styrene	19.05	104	72469	10.09	UG/L		91

(#) = qualifier out of range (m) = manual integration

2/14/97

V 0174

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05330.D Vial: 14
Acq On : 31 Dec 96 16:42 Operator: GLENN
Sample : VSTD010 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Jan 2 8:43 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Dec 31 15:20:47 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05322.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) m/p-Xylene	18.18	106	90872	20.53	UG/L	97
45) 1,1,2,2-Tetrachloroethane	19.92	83	50813	9.42	UG/L	93

V-0175

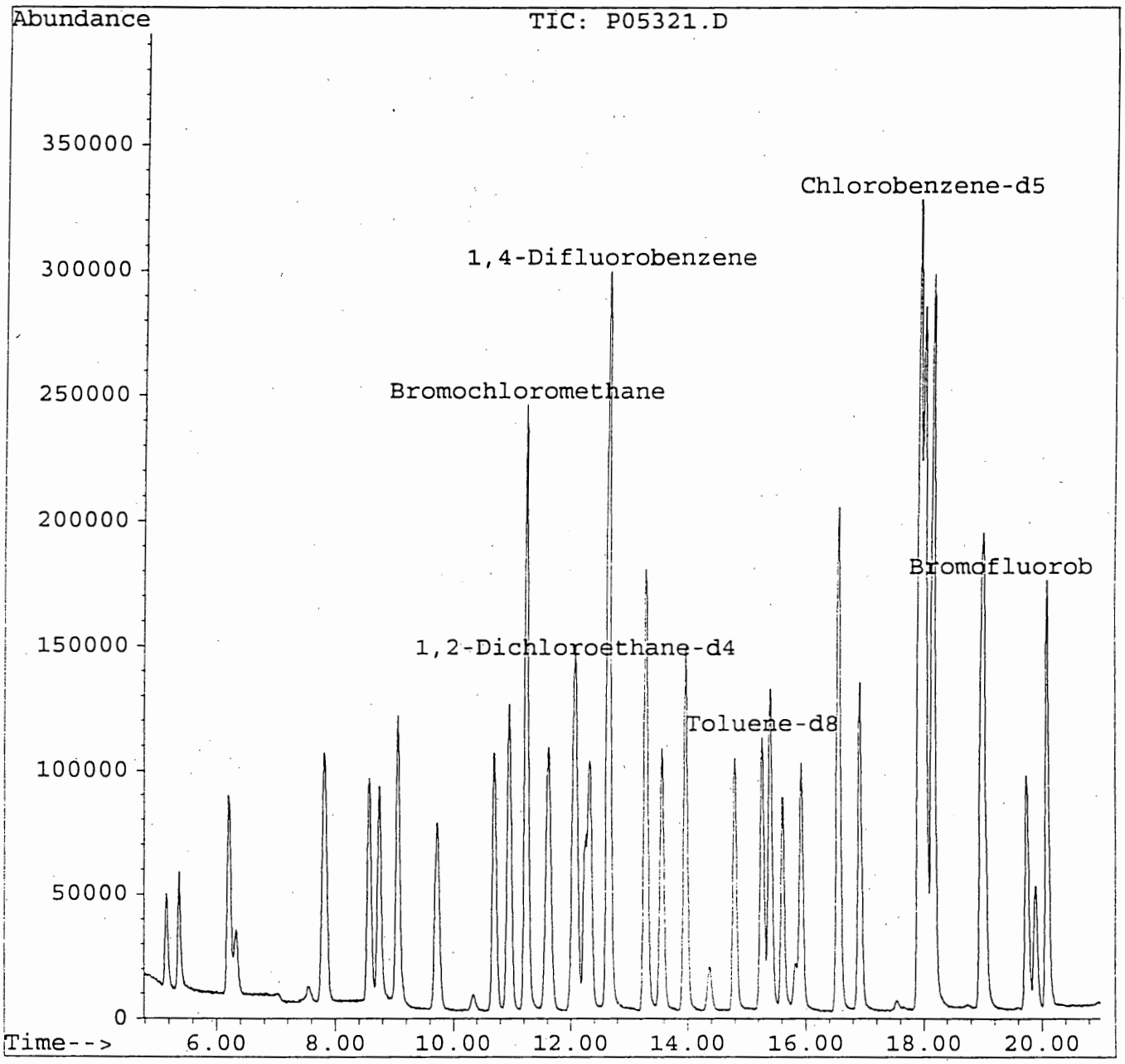
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05321.D
Acq On : 31 Dec 96 11:19 am
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:20 1996

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0176

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05321.D Vial: 4
Acq On : 31 Dec 96 11:19 Operator: GLENN
Sample : VSTD020 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:20 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.24	128	147473	50.00	UG/L	0.21
21) 1,4-Difluorobenzene	12.65	114	543161	50.00	UG/L	0.19
33) Chlorobenzene-d5	17.94	117	418359	50.00	UG/L	0.22
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.09	65	76766	17.84	UG/L	35.67%
34) Toluene-d8	15.27	98	181551	23.03	UG/L	46.05%
43) Bromofluorobenzene	20.10	95	143746	19.02	UG/L	38.05%
Target Compounds						Qvalue
2) Chloromethane	5.15	50	82833	46.61	UG/L	95
3) Vinyl Chloride	5.37	62	91359	34.08	UG/L	99
4) Bromomethane	6.20	94	125403	25.20	UG/L	97
5) Chloroethane	6.33	64	60673	34.08	UG/L	98
6) 1,1-Dichloroethene	7.82	96	104769	24.40	UG/L	88
7) Carbon Disulfide	8.75	76	293769	30.07	UG/L	98
8) Acetone	7.56	43	22654m	17.94	UG/L	80
9) Methylene Chloride	8.58	84	97906	23.54	UG/L	98
13) trans-1,2-Dichloroethene	9.06	96	104245	22.73	UG/L	96
14) cis-,1,2-Dichloroethene	10.71	96	108393	22.39	UG/L	91
15) 1,2-Dichloroethene (total)	9.06	96	218780m	45.42	UG/L	93
16) 1,1-Dichloroethane	9.72	63	195805	24.83	UG/L	98
17) Chloroform	10.95	83	235463	21.06	UG/L	95
19) 1,2-Dichloroethane	12.24	62	116993	19.11	UG/L	96
20) 2-Butanone	10.33	43	21482	16.03	UG/L	80
22) 1,1,1-Trichloroethane	11.63	97	205188m	19.13	UG/L	97
23) Carbon Tetrachloride	12.06	117	198187	17.66	UG/L	93
24) Trichloroethene	13.28	130	140161	21.26	UG/L	98
25) Benzene	12.34	78	207031	23.87	UG/L	98
26) 1,2-Dichloropropane	13.56	63	96832	26.08	UG/L	97
27) Bromodichloromethane	13.97	83	232063	19.28	UG/L	98
28) cis-1,3-Dichloropropene	14.80	75	133414	21.72	UG/L	97
29) trans-1,3-Dichloropropene	15.61	75	105703	19.54	UG/L	95
30) 1,1,2-Trichloroethane	15.93	97	74748	19.17	UG/L	92
31) Dibromochloromethane	16.92	129	162677	15.76	UG/L	100
32) Bromoform	19.74	173	98974	14.27	UG/L	98
35) 4-Methyl-2-Pentanone	14.37	43	37911	17.54	UG/L	99
36) Toluene	15.41	91	225627	22.51	UG/L	98
37) Tetrachloroethene	16.56	164	121269	21.00	UG/L	97
38) 2-Hexanone	15.83	43	33557	15.90	UG/L	93
39) Chlorobenzene	18.00	112	194787	21.71	UG/L	88
40) Ethylbenzene	18.04	106	79950	22.39	UG/L #	84
41) Xylene (total)	18.99	106	97417	21.97	UG/L	94
42) Styrene	19.03	104	155439	20.15	UG/L	99

2/14/97

V 0177

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05321.D Vial: 4
Acq On : 31 Dec 96 11:19 Operator: GLENN
Sample : VSTD020 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:20 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) m/p-Xylene	18.16	106	194421	43.43 UG/L	98
45) 1,1,2,2-Tetrachloroethane	19.90	83	69849	14.04 UG/L	91

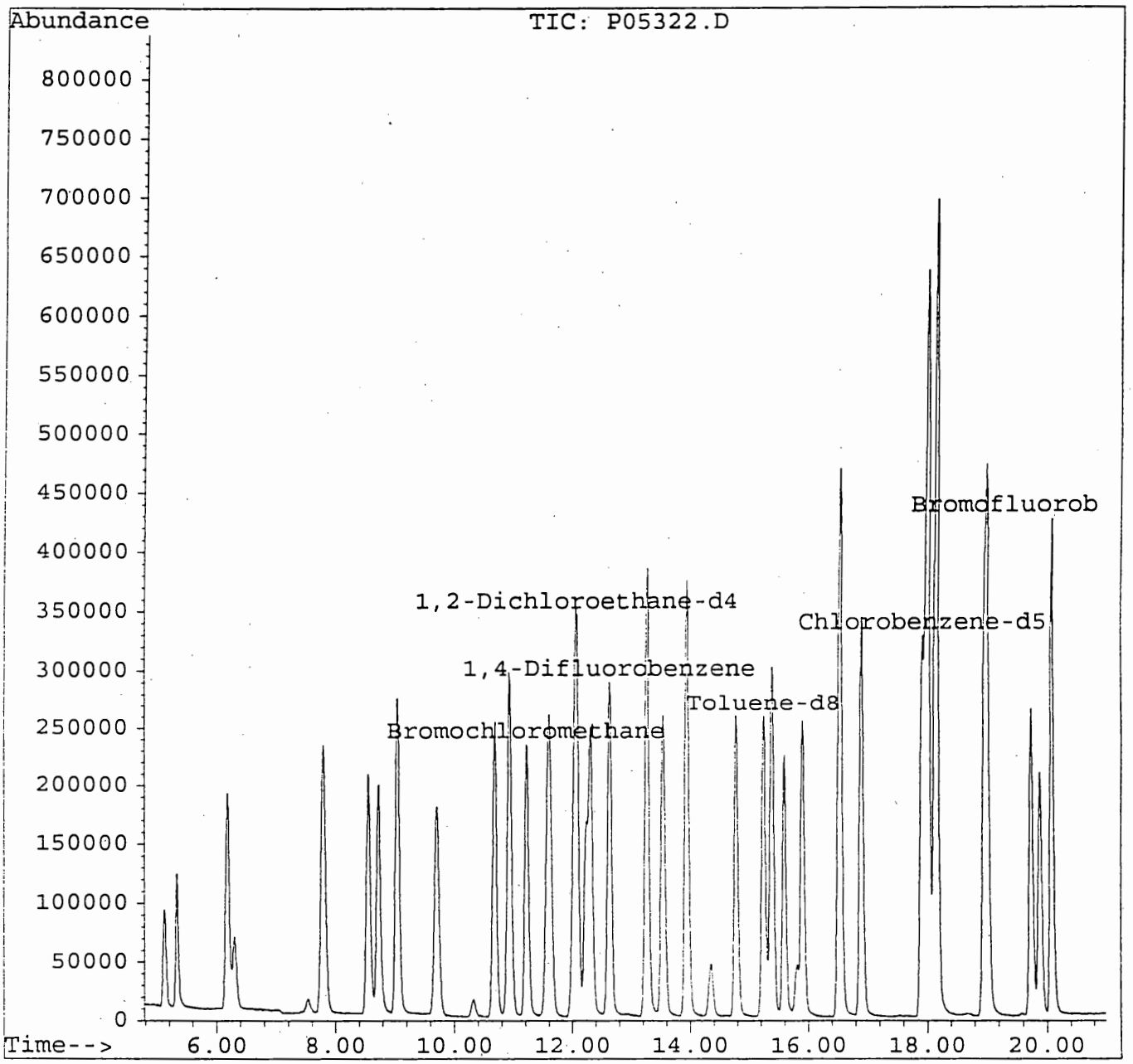
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05322.D
Acq On : 31 Dec 96 11:50 am
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 12:38 1996

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



0179

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05322.D
Acq On : 31 Dec 96 11:50
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 12:38 1996

Vial: 5
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.23	128	142680	50.00	UG/L		0.19
21) 1,4-Difluorobenzene	12.63	114	517138	50.00	UG/L		0.17
33) Chlorobenzene-d5	17.92	117	393234	50.00	UG/L		0.20
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.07	65	191320	45.94	UG/L		91.89%
34) Toluene-d8	15.25	98	430425	58.08	UG/L		116.16%
43) Bromofluorobenzene	20.08	95	349018	49.14	UG/L		98.28%
Target Compounds							Qvalue
2) Chloromethane	5.12	50	181266	105.42	UG/L		91
3) Vinyl Chloride	5.33	62	196351	75.70	UG/L		99
4) Bromomethane	6.18	94	288624	59.96	UG/L		98
5) Chloroethane	6.30	64	136722	79.38	UG/L		96
6) 1,1-Dichloroethene	7.80	96	240717	57.95	UG/L	#	87
7) Carbon Disulfide	8.73	76	704572	74.55	UG/L		96
8) Acetone	7.53	43	43088	35.26	UG/L		88
9) Methylene Chloride	8.56	84	230082	57.17	UG/L		98
13) trans-1,2-Dichloroethene	9.04	96	248076	55.92	UG/L		95
14) cis-,1,2-Dichloroethene	10.68	96	252681	53.95	UG/L		91
15) 1,2-Dichloroethene (total)	10.68	96	511958m	109.85	UG/L		89
16) 1,1-Dichloroethane	9.71	63	465939	61.06	UG/L		96
17) Chloroform	10.93	83	568563	52.55	UG/L		93
19) 1,2-Dichloroethane	12.23	62	285832	48.25	UG/L		96
20) 2-Butanone	10.32	43	50270	38.78	UG/L		97
22) 1,1,1-Trichloroethane	11.60	97	489041	47.88	UG/L		95
23) Carbon Tetrachloride	12.05	117	470945	44.08	UG/L		94
24) Trichloroethene	13.27	130	299455	47.71	UG/L		95
25) Benzene	12.31	78	499051	60.44	UG/L		98
26) 1,2-Dichloropropane	13.54	63	232351	65.73	UG/L		95
27) Bromodichloromethane	13.94	83	582209	50.81	UG/L		96
28) cis-1,3-Dichloropropene	14.77	75	337228	57.67	UG/L		97
29) trans-1,3-Dichloropropene	15.60	75	269060	52.24	UG/L		96
30) 1,1,2-Trichloroethane	15.90	97	187425	50.48	UG/L		95
31) Dibromochloromethane	16.90	129	417251	42.45	UG/L		95
32) Bromoform	19.73	173	274570	41.58	UG/L		98
35) 4-Methyl-2-Pentanone	14.35	43	90892	44.75	UG/L		97
36) Toluene	15.39	91	523672	55.58	UG/L		98
37) Tetrachloroethene	16.54	164	281466	51.84	UG/L		96
38) 2-Hexanone	15.80	43	75665	38.15	UG/L		99
39) Chlorobenzene	17.99	112	456985	54.19	UG/L		88
40) Ethylbenzene	18.02	106	182544	54.40	UG/L	#	79
41) Xylene (total)	18.96	106	225651	54.14	UG/L		91
42) Styrene	19.01	104	372566	51.38	UG/L		93

(#) = qualifier out of range (m) = manual integration

V 0180

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05322.D Vial: 5
Acq On : 31 Dec 96 11:50 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 12:38 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	m/p-Xylene	18.15	106	459502	109.19	UG/L	#	89
45)	1,1,2,2-Tetrachloroethane	19.88	83	279790	59.82	UG/L		92

(#) = qualifier out of range (m) = manual integration

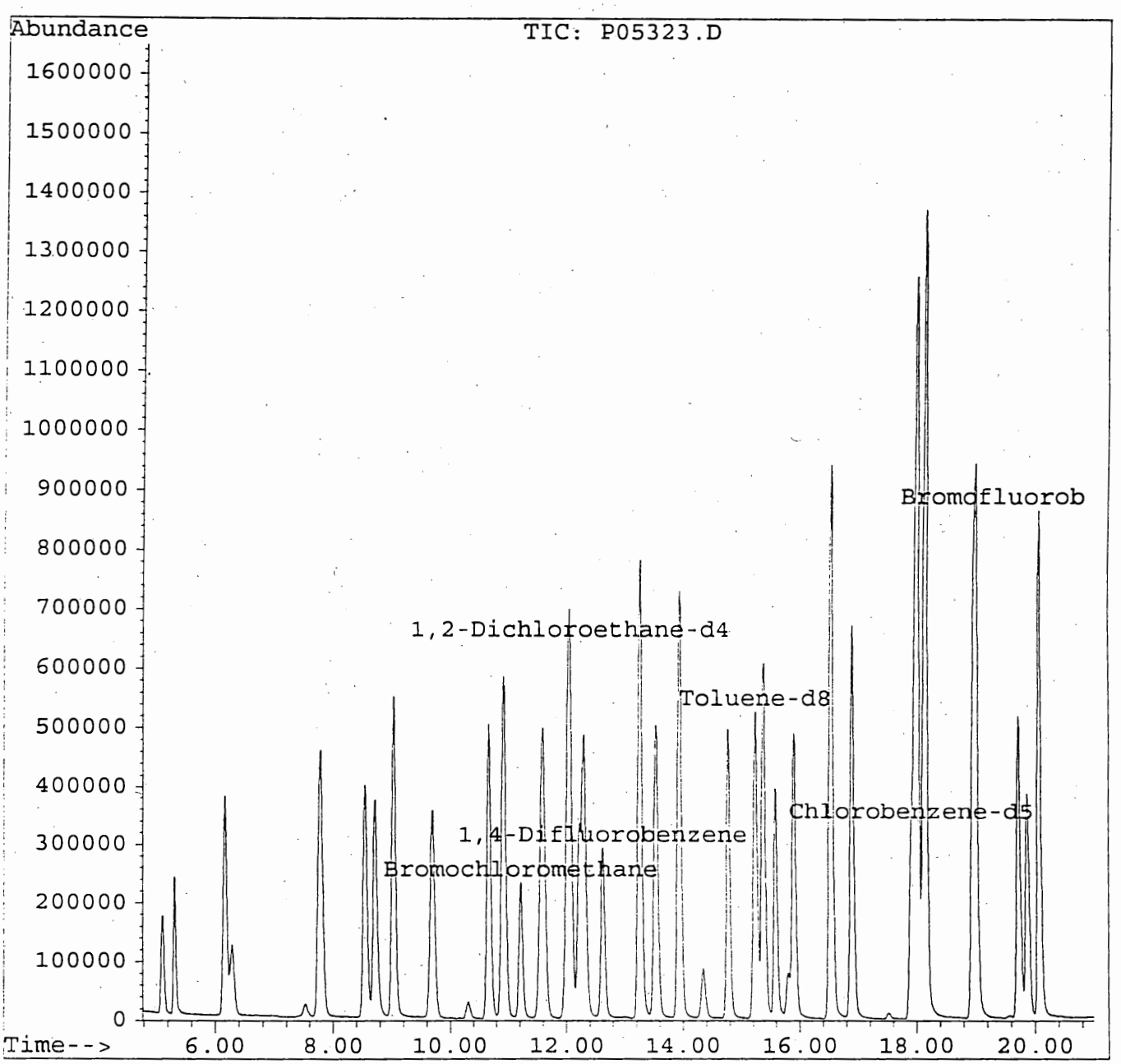
C151

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05323.D
Acq On : 31 Dec 96 12:21 pm
Sample : VSTD100
Misc : H5970-3 12/31/96
Quant Time: Dec 31 12:49 1996

Vial: 6
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0182

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05323.D Vial: 6
Acq On : 31 Dec 96 12:21 Operator: GLENN
Sample : VSTD100 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 12:49 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	139592	50.00	UG/L		0.18
21) 1,4-Difluorobenzene	12.63	114	525241	50.00	UG/L		0.17
33) Chlorobenzene-d5	17.91	117	396259	50.00	UG/L		0.18
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	12.07	65	376350	92.38	UG/L		184.76%
34) Toluene-d8	15.24	98	868457	116.30	UG/L		232.59%
43) Bromofluorobenzene	20.08	95	697471	97.45	UG/L		194.89%
Target Compounds							**Qvalue**
2) Chloromethane	5.11	50	354937	210.99	UG/L		93
3) Vinyl Chloride	5.31	62	366800	144.54	UG/L		99
4) Bromomethane	6.17	94	579196	122.99	UG/L		97
5) Chloroethane	6.29	64	269136	159.72	UG/L		96
6) 1,1-Dichloroethene	7.78	96	489992	120.56	UG/L		92
7) Carbon Disulfide	8.73	76	1411261	152.63	UG/L		98
8) Acetone	7.53	43	81046m	67.79	UG/L		87
9) Methylene Chloride	8.54	84	451797	114.75	UG/L		98
13) trans-1,2-Dichloroethene	9.03	96	497129	114.53	UG/L		97
14) cis-,1,2-Dichloroethene	10.67	96	505863	110.39	UG/L		91
15) 1,2-Dichloroethene (total)	9.03	96	1017717m	223.19	UG/L		93
16) 1,1-Dichloroethane	9.70	63	928118	124.32	UG/L		94
17) Chloroform	10.92	83	1141639	107.85	UG/L		98
19) 1,2-Dichloroethane	12.22	62	562937	97.13	UG/L		94
20) 2-Butanone	10.32	43	91197	71.91	UG/L		97
22) 1,1,1-Trichloroethane	11.59	97	961959	92.73	UG/L		95
23) Carbon Tetrachloride	12.04	117	944277	87.01	UG/L		96
24) Trichloroethene	13.26	130	601100	94.29	UG/L		95
25) Benzene	12.30	78	985080	117.45	UG/L		99
26) 1,2-Dichloropropane	13.53	63	461670	128.58	UG/L		96
27) Bromodichloromethane	13.93	83	1169202	100.46	UG/L		99
28) cis-1,3-Dichloropropene	14.78	75	653441	110.02	UG/L		96
29) trans-1,3-Dichloropropene	15.59	75	481168	91.98	UG/L		94
30) 1,1,2-Trichloroethane	15.91	97	363376	96.36	UG/L		94
31) Dibromochloromethane	16.90	129	833517	83.50	UG/L		97
32) Bromoform	19.73	173	546155	81.44	UG/L		99
35) 4-Methyl-2-Pentanone	14.35	43	166819	81.51	UG/L		97
36) Toluene	15.39	91	1063482	112.01	UG/L		95
37) Tetrachloroethene	16.54	164	566605	103.57	UG/L		97
38) 2-Hexanone	15.80	43	132432	66.27	UG/L		98
39) Chlorobenzene	17.99	112	921650	108.47	UG/L		88
40) Ethylbenzene	18.02	106	367190	108.59	UG/L		97
41) Xylene (total)	18.97	106	458927	109.27	UG/L	#	82
42) Styrene	19.02	104	765322	104.75	UG/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05323.D Vial: 6
Acq On : 31 Dec 96 12:21 Operator: GLENN
Sample : VSTD100 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 12:49 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) m/p-Xylene	18.15	106	918759	216.66	UG/L	93
45) 1,1,2,2-Tetrachloroethane	19.88	83	529585	112.37	UG/L	96

(#) = qualifier out of range (m) = manual integration

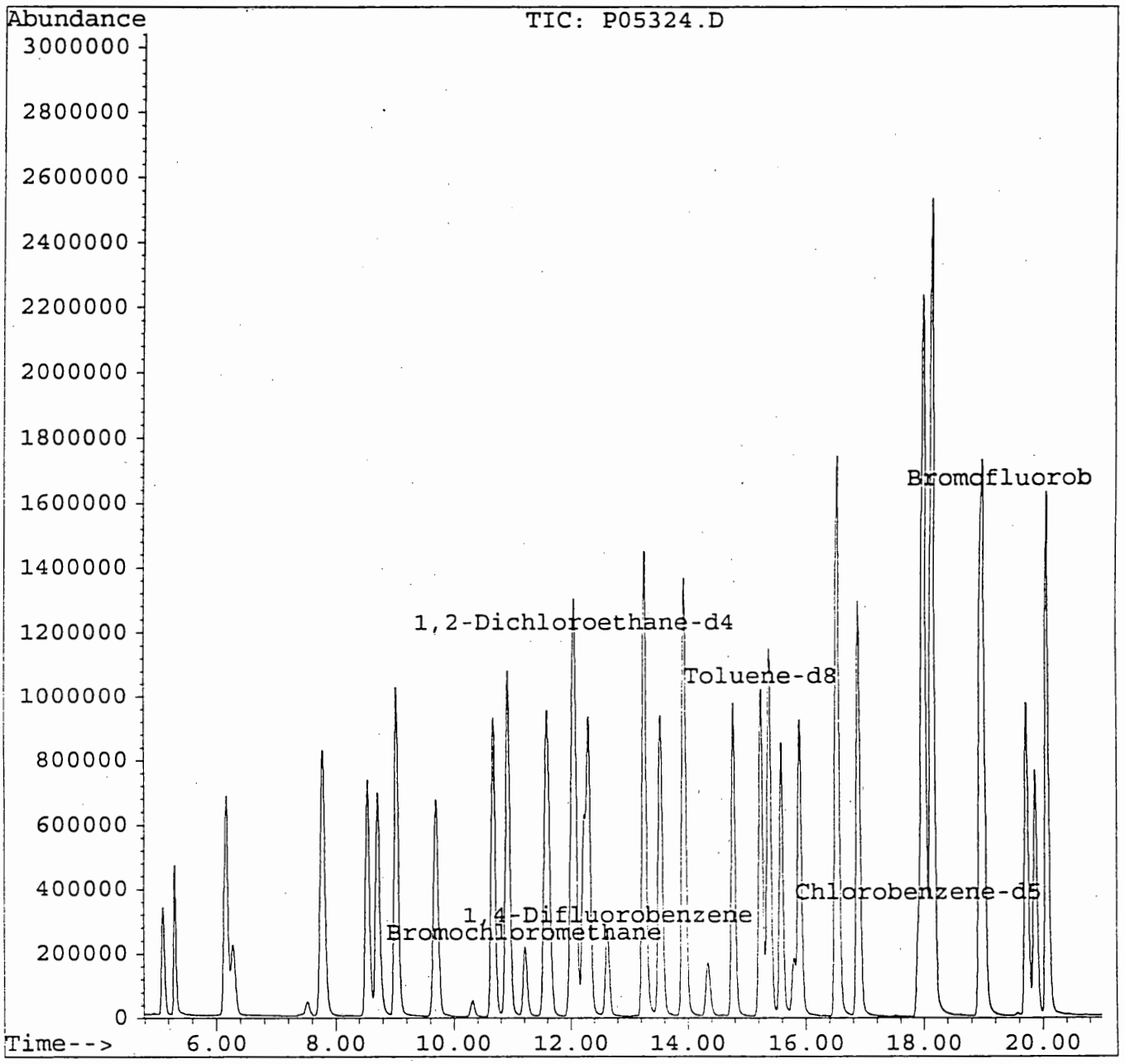
V 0184

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05324.D
Acq On : 31 Dec 96 12:52 pm
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:14 1996

Vial: 7
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0185

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05324.D Vial: 7
Acq On : 31 Dec 96 12:52 Operator: GLENN
Sample : VSTD200 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:14 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	133470	50.00	UG/L		0.18
21) 1,4-Difluorobenzene	12.63	114	486324	50.00	UG/L		0.18
33) Chlorobenzene-d5	17.91	117	362200	50.00	UG/L		0.19
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	12.07	65	731699	187.84	UG/L		375.68%
34) Toluene-d8	15.24	98	1703015	249.50	UG/L		498.99%
43) Bromofluorobenzene	20.08	95	1347935	206.04	UG/L		412.07%
Target Compounds							**Qvalue**
2) Chloromethane	5.10	50	665566	413.80	UG/L		93
3) Vinyl Chloride	5.30	62	682318	281.20	UG/L		99
4) Bromomethane	6.16	94	1101583	244.64	UG/L		97
5) Chloroethane	6.28	64	505415	313.69	UG/L		98
6) 1,1-Dichloroethene	7.78	96	902727	232.30	UG/L	#	88
7) Carbon Disulfide	8.71	76	2666089	301.57	UG/L		95
8) Acetone	7.52	43	154500	135.15	UG/L		94
9) Methylene Chloride	8.54	84	835003	221.81	UG/L		97
13) trans-1,2-Dichloroethene	9.02	96	944258	227.52	UG/L		96
14) cis-,1,2-Dichloroethene	10.67	96	968722	221.09	UG/L		92
15) 1,2-Dichloroethene (total)	10.67	96	1937204m	444.33	UG/L		94
16) 1,1-Dichloroethane	9.69	63	1769464	247.90	UG/L		95
17) Chloroform	10.92	83	2130329	210.48	UG/L		92
19) 1,2-Dichloroethane	12.22	62	1089685	196.64	UG/L		94
20) 2-Butanone	10.32	43	169425	139.71	UG/L		98
22) 1,1,1-Trichloroethane	11.59	97	1865356	194.21	UG/L		96
23) Carbon Tetrachloride	12.03	117	1779368	177.09	UG/L		94
24) Trichloroethene	13.26	130	1158746	196.31	UG/L		99
25) Benzene	12.31	78	1900391	244.72	UG/L		99
26) 1,2-Dichloropropane	13.53	63	869280	261.48	UG/L		96
27) Bromodichloromethane	13.94	83	2194524	203.65	UG/L		96
28) cis-1,3-Dichloropropene	14.78	75	1284152	233.51	UG/L		97
29) trans-1,3-Dichloropropene	15.59	75	1050797	216.94	UG/L		93
30) 1,1,2-Trichloroethane	15.90	97	695958	199.32	UG/L		95
31) Dibromochloromethane	16.89	129	1560553	168.84	UG/L		94
32) Bromoform	19.73	173	1060981	170.86	UG/L		99
35) 4-Methyl-2-Pentanone	14.35	43	335280	179.22	UG/L		97
36) Toluene	15.38	91	2015396	232.23	UG/L		100
37) Tetrachloroethene	16.54	164	1049069	209.79	UG/L		95
38) 2-Hexanone	15.81	43	304252	166.56	UG/L		99
39) Chlorobenzene	17.99	112	1694177	218.13	UG/L		88
40) Ethylbenzene	18.03	106	708076	229.09	UG/L		97
41) Xylene (total)	18.97	106	855121	222.75	UG/L	#	89
42) Styrene	19.02	104	1435221	214.91	UG/L		94

(#) = qualifier out of range (m) = manual integration

V C156

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05324.D Vial: 7
Acq On : 31 Dec 96 12:52 Operator: GLENN
Sample : VSTD200 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:14 1996

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jul 02 17:06:45 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03907.D

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	m/p-Xylene	18.15	106	1718074	443.25 UG/L	96
45)	1,1,2,2-Tetrachloroethane	19.88	83	1008006	234.00 UG/L	96

V-0187

(#) = qualifier out of range (m) = manual integration
P05324.D CLPW.M Fri Feb 14 17:07:07 1997 JON

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date(s): 12/31/96 12/31/96

Heated Purge (Y/N): Y Calibration Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

LAB FILE ID: RRF10 = P05325.D RRF20 = P05326.D
RRF50 = P05327.D RRF100 = P05328.D RRF200 = P05329.D

	COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
	Chloromethane	1.244	1.004	1.023	1.000	1.035	1.061	9.7	
*	Bromomethane	2.151	1.704	1.765	1.762	1.780	1.832	9.9	*
*	Vinyl Chloride	1.496	1.103	1.089	1.044	0.962	1.139	18.2	*
	Chloroethane	0.976	0.790	0.820	0.818	0.815	0.844	8.9	
	Methylene Chloride	1.705	1.534	1.469	1.510	1.473	1.538	6.3	
	Acetone	0.441	0.479	0.455	0.440	0.392	0.441	7.3	
	Carbon Disulfide	4.996	4.095	4.253	4.250	4.007	4.320	9.1	
*	1,1-Dichloroethene	1.852	1.414	1.470	1.497	1.342	1.515	13.0	*
*	1,1-Dichloroethane	3.215	2.829	2.893	2.967	2.674	2.916	6.8	*
	1,2-Dichloroethene (total)	1.980	1.577	1.616	1.644	1.458	1.655	11.8	
*	Chloroform	3.915	3.499	3.612	3.734	3.412	3.634	5.5	*
*	1,2-Dichloroethane	2.002	2.016	1.941	2.062	1.888	1.982	3.4	*
	2-Butanone	0.483	0.565	0.507	0.534	0.477	0.513	7.2	
*	1,1,1-Trichloroethane	0.914	0.900	0.912	0.934	0.859	0.904	3.1	*
*	Carbon Tetrachloride	0.843	0.854	0.867	0.903	0.791	0.852	4.8	*
*	Bromodichloromethane	0.963	1.147	1.153	1.195	1.098	1.111	8.1	*
	1,2-Dichloropropane	0.402	0.450	0.448	0.457	0.438	0.439	5.0	
*	cis-1,3-Dichloropropene	0.527	0.657	0.657	0.694	0.637	0.634	10.0	*
*	Trichloroethene	0.554	0.571	0.561	0.588	0.538	0.562	3.3	*
*	Benzene	0.873	0.928	0.935	0.939	0.877	0.910	3.6	*
*	Dibromochloromethane	0.677	0.914	0.881	0.936	0.890	0.860	12.1	*
*	trans-1,3-Dichloropropene	0.429	0.578	0.559	0.597	0.559	0.544	12.2	*
*	1,1,2-Trichloroethane	0.382	0.432	0.393	0.421	0.395	0.404	5.2	*
*	Bromoform	0.445	0.664	0.615	0.675	0.666	0.613	15.8	*
	4-Methyl-2-Pentanone	0.339	0.352	0.301	0.348	0.322	0.332	6.3	
	2-Hexanone	0.457	0.332	0.279	0.309	0.302	0.336	20.9	
*	Tetrachloroethene	0.613	0.661	0.665	0.688	0.573	0.640	7.2	*
*	1,1,2,2-Tetrachloroethane	0.885	0.912	0.789	0.872	0.821	0.856	5.8	*
*	Toluene	1.199	1.250	1.268	1.309	1.145	1.234	5.1	*
*	Chlorobenzene	1.127	1.115	1.104	1.138	1.026	1.102	4.0	*
*	Ethylbenzene	0.432	0.446	0.440	0.457	0.397	0.434	5.2	*
*	Styrene	0.877	0.893	0.910	0.968	0.888	0.907	4.0	*
*	Xylene (total)	0.504	0.548	0.533	0.561	0.514	0.532	4.4	*
	1,2-Dichloroethane-d4	1.470	1.461	1.343	1.385	1.325	1.397	4.8	
	Toluene-d8	1.091	1.039	1.045	1.056	1.017	1.050	2.6	
*	Bromofluorobenzene	0.952	0.900	0.879	0.898	0.905	0.907	3.0	*

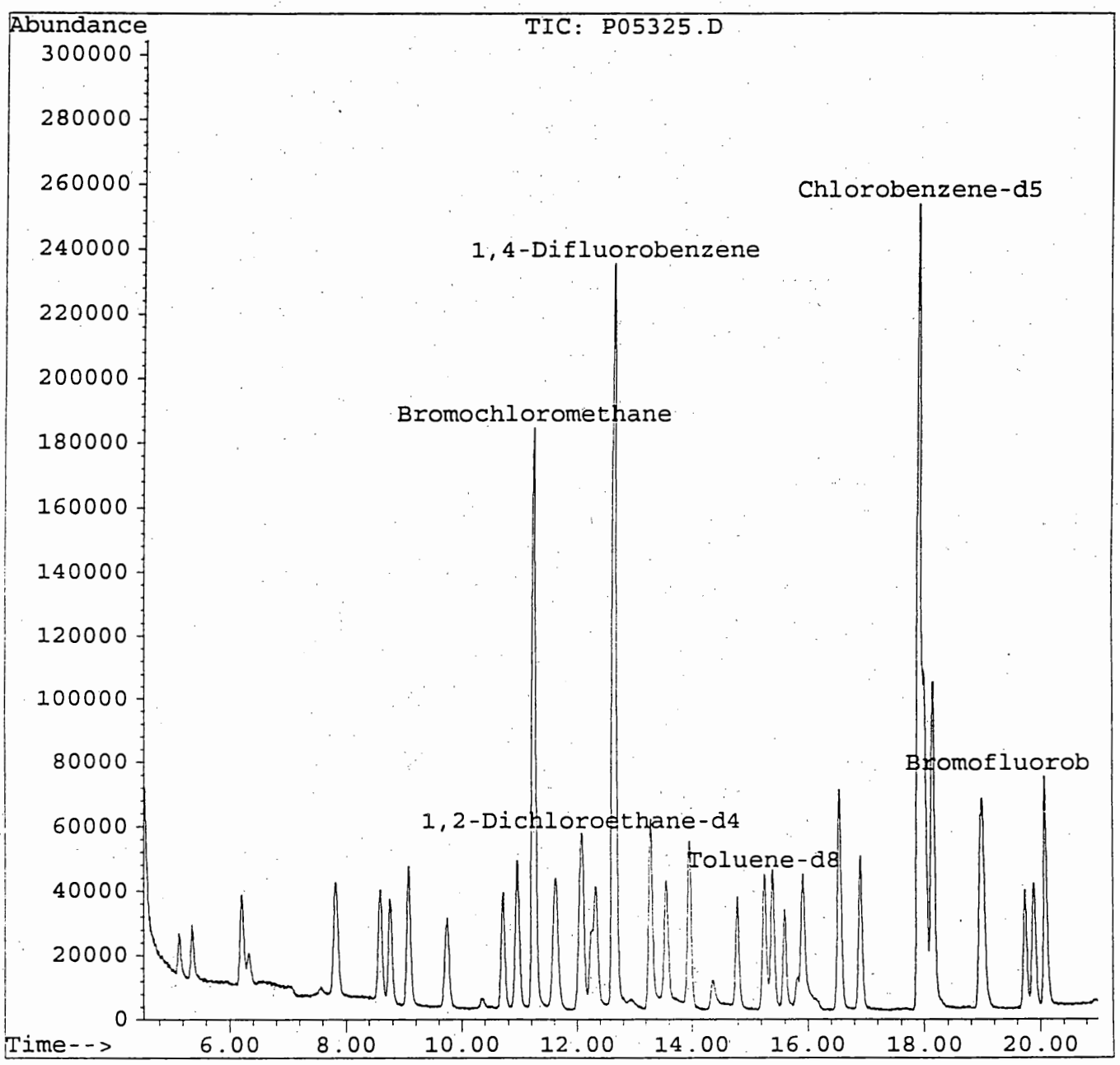
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05325.D
Acq On : 31 Dec 96 1:23 pm
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:58 1996

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0189

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05325.D
Acq On : 31 Dec 96 13:23
Sample : VSTD010
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:58 1996

Vial: 9
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.26	128	109163	50.00	UG/L		0.14
21) 1,4-Difluorobenzene	12.65	114	423386	50.00	UG/L		0.13
33) Chlorobenzene-d5	17.92	117	317725	50.00	UG/L		0.16
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.10	65	32096	8.71	UG/L		
34) Toluene-d8	15.25	98	69294	10.38	UG/L		
43) Bromofluorobenzene	20.09	95	60489	9.31	UG/L		
Target Compounds							Qvalue
2) Chloromethane	5.14	50	27169	33.50	UG/L		93
3) Vinyl Chloride	5.36	62	32669	23.24	UG/L		98
4) Bromomethane	6.21	94	46967	17.97	UG/L		95
5) Chloroethane	6.33	64	21301	20.13	UG/L		98
6) 1,1-Dichloroethene	7.82	96	40433m	18.14	UG/L		89
7) Carbon Disulfide	8.75	76	109078	42.60	UG/L		95
8) Acetone	7.56	43	9624	7.38	UG/L		98
9) Methylene Chloride	8.59	84	37213	13.35	UG/L		95
13) trans-1,2-Dichloroethene	9.08	96	39750	15.15	UG/L		97
14) cis-,1,2-Dichloroethene	10.71	96	36965	10.79	UG/L		89
15) 1,2-Dichloroethene (total)	9.08	96	86466m	28.02	UG/L		94
16) 1,1-Dichloroethane	9.74	63	70186	12.47	UG/L		92
17) Chloroform	10.96	83	85468	9.19	UG/L		97
19) 1,2-Dichloroethane	12.25	62	43711	8.53	UG/L		93
20) 2-Butanone	10.36	43	10538	5.99	UG/L		66
22) 1,1,1-Trichloroethane	11.63	97	77433	7.94	UG/L		95
23) Carbon Tetrachloride	12.07	117	71387	7.38	UG/L		96
24) Trichloroethene	13.29	130	46897	8.95	UG/L		95
25) Benzene	12.34	78	73918	10.68	UG/L		99
26) 1,2-Dichloropropane	13.56	63	34007	9.80	UG/L		94
27) Bromodichloromethane	13.96	83	81528	6.52	UG/L		99
28) cis-1,3-Dichloropropene	14.79	75	44612	7.58	UG/L		96
29) trans-1,3-Dichloropropene	15.61	75	36316	6.33	UG/L		95
30) 1,1,2-Trichloroethane	15.92	97	32338	7.35	UG/L		90
31) Dibromochloromethane	16.91	129	57357	4.94	UG/L		96
32) Bromoform	19.74	173	37687	4.11	UG/L		98
35) 4-Methyl-2-Pentanone	14.36	43	21513	7.02	UG/L		99
36) Toluene	15.41	91	76212	9.79	UG/L		98
37) Tetrachloroethene	16.55	164	38938	8.94	UG/L		95
38) 2-Hexanone	15.81	43	29009m	9.13	UG/L		90
39) Chlorobenzene	18.00	112	71626	8.96	UG/L		84
40) Ethylbenzene	18.03	106	27455	8.86	UG/L	#	88
41) Xylene (total)	18.97	106	32035	8.22	UG/L	#	86
42) Styrene	19.03	104	55713	7.96	UG/L		98

V-0190

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05325.D Vial: 9
Acq On : 31 Dec 96 13:23 Operator: GLENN
Sample : VSTD010 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:58 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44)	m/p-Xylene	18.16	106	68209	17.87	UG/L	94
45)	1,1,2,2-Tetrachloroethane	19.89	83	56257	8.17	UG/L	93

V-0191

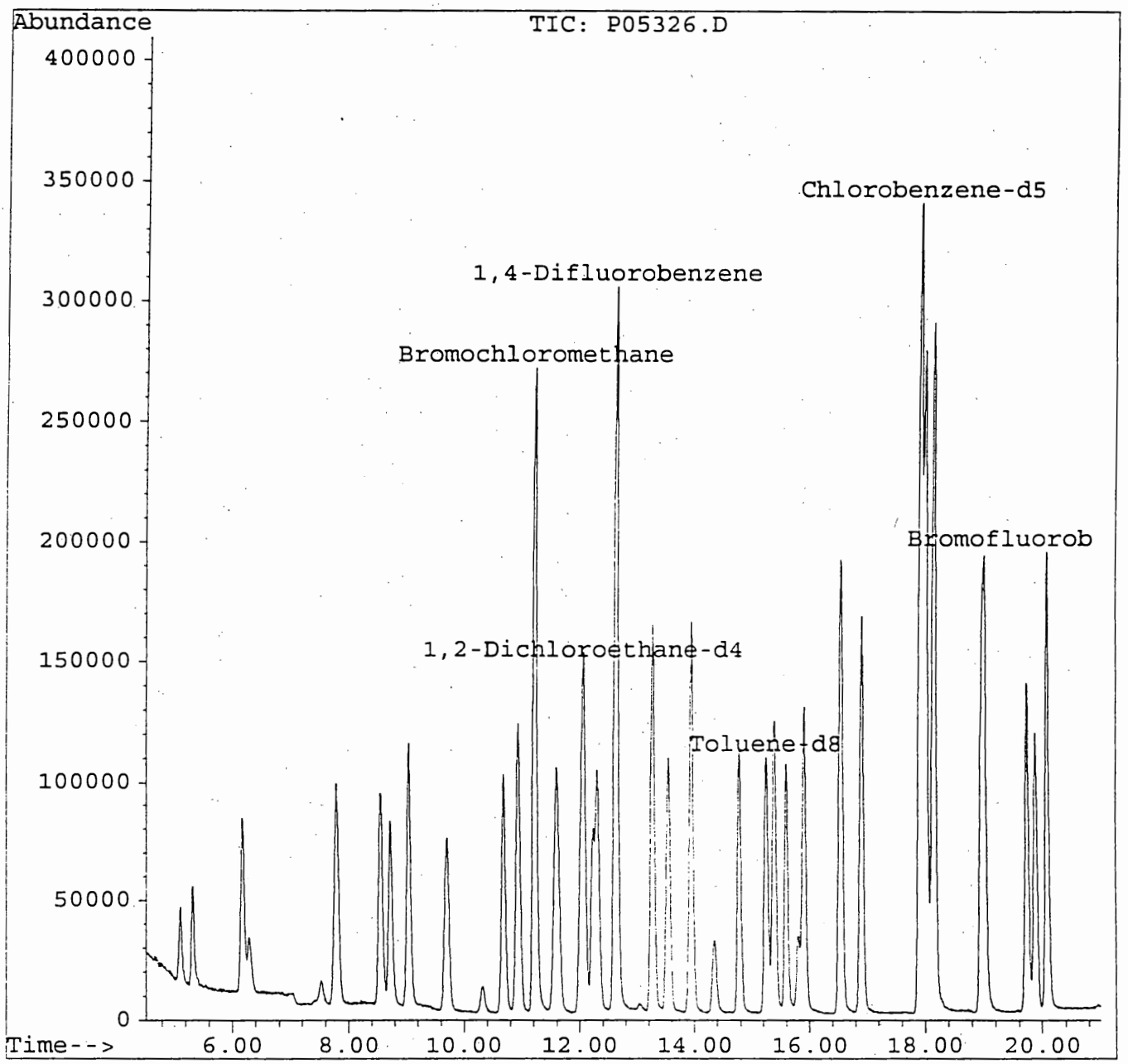
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05326.D
Acq On : 31 Dec 96 1:54 pm
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:25 1996

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0192

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05326.D
Acq On : 31 Dec 96 13:54
Sample : VSTD020
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:25 1996

Vial: 10
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.22	128	165771	50.00	UG/L	0.10
21) 1,4-Difluorobenzene	12.63	114	544949	50.00	UG/L	0.11
33) Chlorobenzene-d5	17.92	117	432788	50.00	UG/L	0.16
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	96880	17.31	UG/L	
34) Toluene-d8	15.25	98	179910	19.78	UG/L	
43) Bromofluorobenzene	20.08	95	155838	17.61	UG/L	
Target Compounds						Qvalue
2) Chloromethane	5.12	50	66596	54.07	UG/L	93
3) Vinyl Chloride	5.32	62	73154	34.27	UG/L	99
4) Bromomethane	6.17	94	113004	28.47	UG/L	97
5) Chloroethane	6.29	64	52362	32.59	UG/L	100
6) 1,1-Dichloroethene	7.79	96	93785	27.71	UG/L	90
7) Carbon Disulfide	8.72	76	271517	69.82	UG/L	97
8) Acetone	7.53	43	31781	16.04	UG/L	89
9) Methylene Chloride	8.56	84	101725	24.03	UG/L	97
13) trans-1,2-Dichloroethene	9.04	96	98189	24.65	UG/L	94
14) cis-,1,2-Dichloroethene	10.68	96	102471	19.71	UG/L	91
15) 1,2-Dichloroethene (total)	10.68	96	209107m	44.63	UG/L	-91
16) 1,1-Dichloroethane	9.71	63	187565	21.95	UG/L	94
17) Chloroform	10.94	83	232008	16.42	UG/L	94
19) 1,2-Dichloroethane	12.24	62	133674	17.17	UG/L	96
20) 2-Butanone	10.32	43	37466	14.03	UG/L	97
22) 1,1,1-Trichloroethane	11.60	97	196074	15.62	UG/L	94
23) Carbon Tetrachloride	12.04	117	186113	14.95	UG/L	91
24) Trichloroethene	13.27	130	124399	18.44	UG/L	97
25) Benzene	12.30	78	202353	22.72	UG/L	98
26) 1,2-Dichloropropane	13.54	63	97992	21.94	UG/L	95
27) Bromodichloromethane	13.95	83	250008	15.53	UG/L	98
28) cis-1,3-Dichloropropene	14.78	75	143214	18.90	UG/L	96
29) trans-1,3-Dichloropropene	15.59	75	125875	17.06	UG/L	95
30) 1,1,2-Trichloroethane	15.91	97	94066	16.60	UG/L	94
31) Dibromochloromethane	16.90	129	199214	13.34	UG/L	99
32) Bromoform	19.74	173	144770	12.25	UG/L	97
35) 4-Methyl-2-Pentanone	14.35	43	60999	14.62	UG/L	93
36) Toluene	15.39	91	216400	20.41	UG/L	98
37) Tetrachloroethene	16.55	164	114448	19.30	UG/L	91
38) 2-Hexanone	15.81	43	57477	13.29	UG/L	93
39) Chlorobenzene	17.99	112	193003	17.73	UG/L	85
40) Ethylbenzene	18.02	106	77149	18.28	UG/L	93
41) Xylene (total)	18.97	106	94926	17.88	UG/L	97
42) Styrene	19.02	104	154616	16.21	UG/L	95

V-0193

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05326.D Vial: 10
Acq On : 31 Dec 96 13:54 Operator: GLENN
Sample : VSTD020 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:25 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

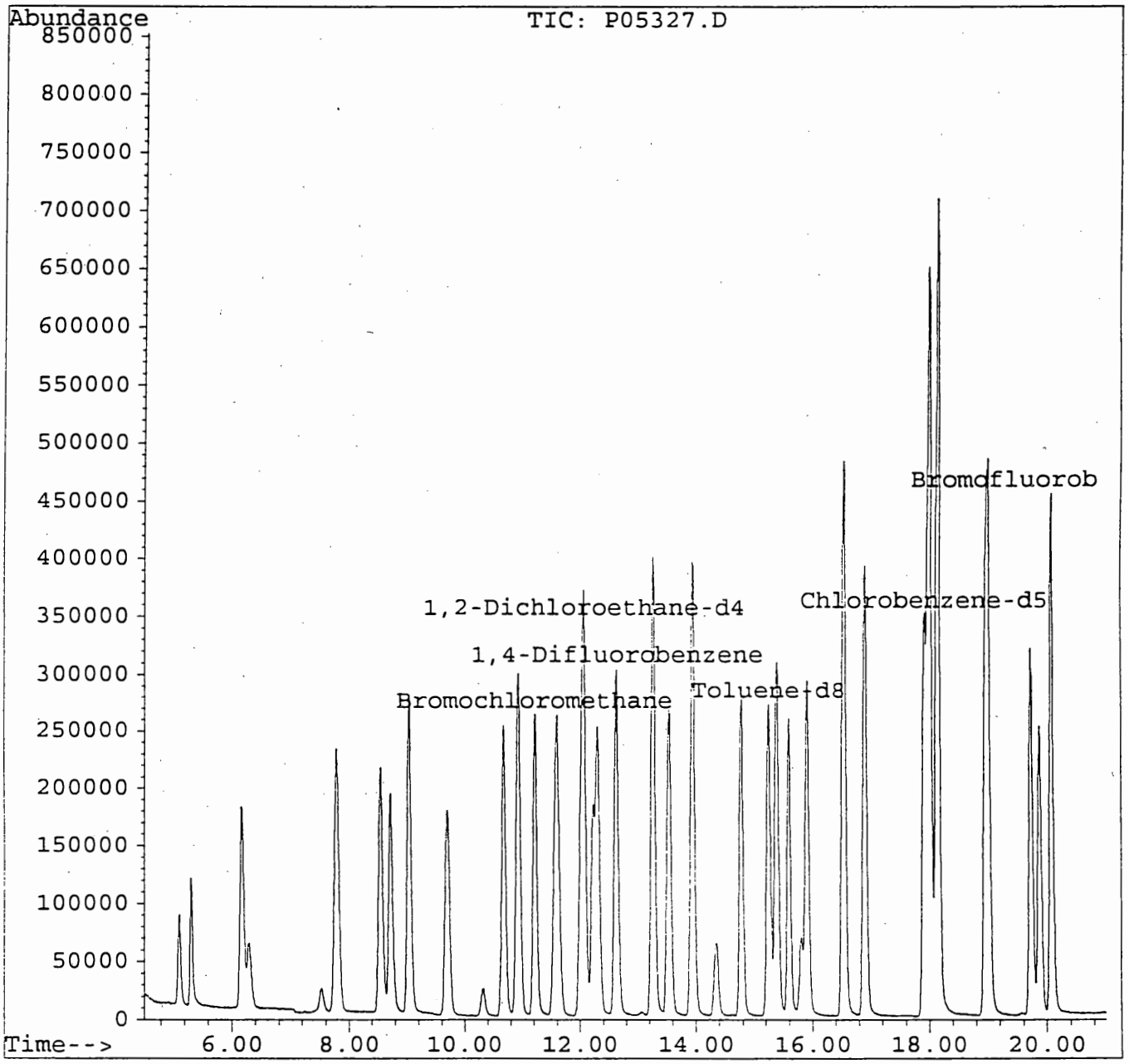
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) m/p-Xylene	18.15	106	186624	35.90	UG/L	94
45) 1,1,2,2-Tetrachloroethane	19.89	83	157818	16.82	UG/L	92

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05327.D
Acq On : 31 Dec 96 2:25 pm
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:26 1996

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0195

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05327.D
Acq On : 31 Dec 96 14:25
Sample : VSTD050
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:26 1996

Vial: 11
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	160031	50.00	UG/L		0.11
21) 1,4-Difluorobenzene	12.64	114	543573	50.00	UG/L		0.12
33) Chlorobenzene-d5	17.91	117	426386	50.00	UG/L		0.15
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	214961	39.79	UG/L		
34) Toluene-d8	15.25	98	445738	49.75	UG/L		
43) Bromofluorobenzene	20.09	95	374832	42.99	UG/L	#	
Target Compounds							Qvalue
2) Chloromethane	5.12	50	163743	137.71	UG/L		93
3) Vinyl Chloride	5.32	62	174221	84.54	UG/L		99
4) Bromomethane	6.17	94	282476	73.72	UG/L		98
5) Chloroethane	6.30	64	131232	84.60	UG/L		99
6) 1,1-Dichloroethene	7.79	96	235264	72.00	UG/L	#	86
7) Carbon Disulfide	8.73	76	680574	181.29	UG/L		96
8) Acetone	7.52	43	72851	38.09	UG/L		90
9) Methylene Chloride	8.56	84	235103	57.54	UG/L		99
13) trans-1,2-Dichloroethene	9.04	96	250025	65.02	UG/L		96
14) cis-,1,2-Dichloroethene	10.68	96	257229	51.24	UG/L		90
15) 1,2-Dichloroethene (total)	9.04	96	517169m	114.33	UG/L		91
16) 1,1-Dichloroethane	9.70	63	462925	56.13	UG/L		92
17) Chloroform	10.93	83	578022	42.39	UG/L		94
19) 1,2-Dichloroethane	12.22	62	310688	41.34	UG/L		96
20) 2-Butanone	10.33	43	81206	31.51	UG/L		96
22) 1,1,1-Trichloroethane	11.60	97	495768	39.61	UG/L		94
23) Carbon Tetrachloride	12.04	117	471511	37.97	UG/L		93
24) Trichloroethene	13.27	130	305092	45.34	UG/L		97
25) Benzene	12.30	78	508057	57.20	UG/L		99
26) 1,2-Dichloropropane	13.55	63	243355	54.62	UG/L		94
27) Bromodichloromethane	13.94	83	626644	39.03	UG/L		98
28) cis-1,3-Dichloropropene	14.78	75	357066	47.24	UG/L		96
29) trans-1,3-Dichloropropene	15.60	75	303749	41.26	UG/L		95
30) 1,1,2-Trichloroethane	15.91	97	213720	37.82	UG/L		94
31) Dibromochloromethane	16.91	129	478838	32.14	UG/L		98
32) Bromoform	19.73	173	334238	28.36	UG/L		98
35) 4-Methyl-2-Pentanone	14.35	43	128448	31.25	UG/L		97
36) Toluene	15.38	91	540683	51.76	UG/L		98
37) Tetrachloroethene	16.54	164	283683	48.55	UG/L		99
38) 2-Hexanone	15.81	43	119153	27.95	UG/L		98
39) Chlorobenzene	17.99	112	470848	43.90	UG/L		87
40) Ethylbenzene	18.02	106	187463	45.07	UG/L	#	81
41) Xylene (total)	18.97	106	227434	43.49	UG/L	#	77
42) Styrene	19.01	104	388085	41.31	UG/L		92

V-0196

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05327.D Vial: 11
Acq On : 31 Dec 96 14:25 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:26 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) m/p-Xylene	18.15	106	472616	92.27 UG/L	91
45) 1,1,2,2-Tetrachloroethane	19.88	83	336208	36.38 UG/L	91

(#) = qualifier out of range (m) = manual integration

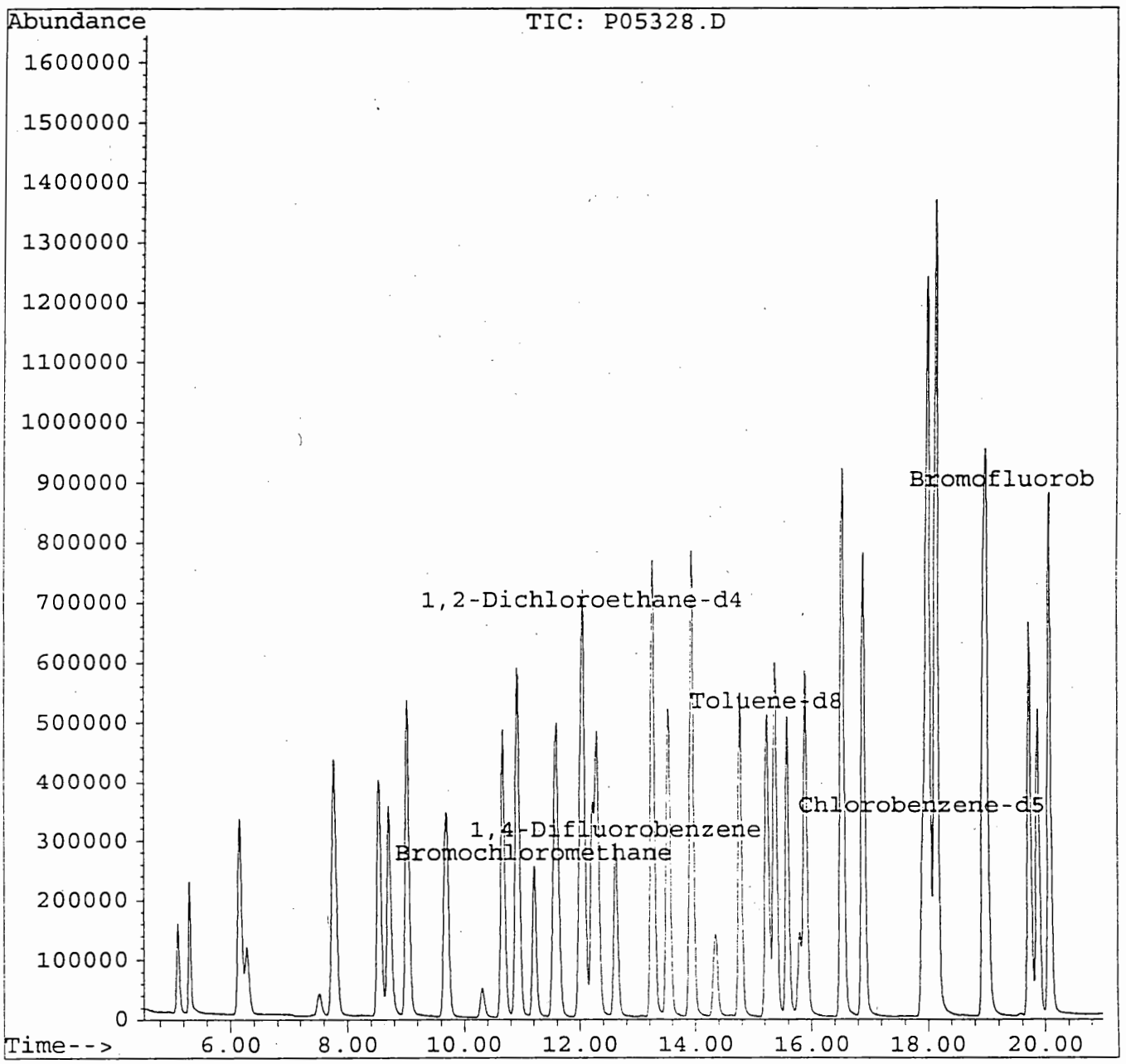
V 0197

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05328.D
Acq On : 31 Dec 96 2:56 pm
Sample : VSTD100
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:27 1996

Vial: 12
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0198

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05328.D Vial: 12
Acq On : 31 Dec 96 14:56 Operator: GLENN
Sample : VSTD100 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:27 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.22	128	153530	50.00	UG/L	0.11
21) 1,4-Difluorobenzene	12.62	114	515151	50.00	UG/L	0.11
33) Chlorobenzene-d5	17.91	117	400942	50.00	UG/L	0.15
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	12.07	65	425320	82.07	UG/L	
34) Toluene-d8	15.25	98	847130	100.55	UG/L	
43) Bromofluorobenzene	20.08	95	720083	87.84	UG/L	
Target Compounds						Qvalue
2) Chloromethane	5.12	50	306958	269.09	UG/L	94
3) Vinyl Chloride	5.31	62	320675	162.20	UG/L	100
4) Bromomethane	6.16	94	540918	147.14	UG/L	98
5) Chloroethane	6.28	64	251025	168.68	UG/L	98
6) 1,1-Dichloroethene	7.78	96	459625	146.63	UG/L	89
7) Carbon Disulfide	8.72	76	1305109	362.38	UG/L	95
8) Acetone	7.53	43	135040	73.60	UG/L	91
9) Methylene Chloride	8.55	84	463576	118.25	UG/L	95
13) trans-1,2-Dichloroethene	9.03	96	486625	131.90	UG/L	96
14) cis-,1,2-Dichloroethene	10.67	96	507760	105.43	UG/L	92
15) 1,2-Dichloroethene (total)	10.67	96	1009753m	232.68	UG/L	97
16) 1,1-Dichloroethane	9.69	63	911138	115.14	UG/L	96
17) Chloroform	10.92	83	1146559	87.64	UG/L	93
19) 1,2-Dichloroethane	12.22	62	633046	87.80	UG/L	93
20) 2-Butanone	10.31	43	164103	66.37	UG/L	97
22) 1,1,1-Trichloroethane	11.59	97	961876	81.08	UG/L	97
23) Carbon Tetrachloride	12.04	117	930523	79.06	UG/L	94
24) Trichloroethene	13.27	130	605692	94.99	UG/L	95
25) Benzene	12.30	78	966958	114.87	UG/L	99
26) 1,2-Dichloropropane	13.53	63	470744	111.48	UG/L	94
27) Bromodichloromethane	13.94	83	1231089	80.91	UG/L	98
28) cis-1,3-Dichloropropene	14.78	75	714759	99.77	UG/L	97
29) trans-1,3-Dichloropropene	15.59	75	615207	88.18	UG/L	94
30) 1,1,2-Trichloroethane	15.90	97	434107	81.06	UG/L	95
31) Dibromochloromethane	16.89	129	964667	68.31	UG/L	95
32) Bromoform	19.73	173	695850	62.31	UG/L	99
35) 4-Methyl-2-Pentanone	14.35	43	279042	72.19	UG/L	96
36) Toluene	15.38	91	1049404	106.83	UG/L	98
37) Tetrachloroethene	16.54	164	551491	100.37	UG/L	99
38) 2-Hexanone	15.80	43	247368	61.72	UG/L	98
39) Chlorobenzene	17.99	112	912723	90.50	UG/L	88
40) Ethylbenzene	18.02	106	366224	93.64	UG/L #	80
41) Xylene (total)	18.97	106	449495	91.41	UG/L #	84
42) Styrene	19.02	104	775922	87.83	UG/L	93

9/14/97

C199

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05328.D Vial: 12
Acq On : 31 Dec 96 14:56 Operator: GLENN
Sample : VSTD100 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:27 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P03777.D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) m/p-Xylene	18.15	106	914717	189.92 UG/L	95
45) 1,1,2,2-Tetrachloroethane	19.88	83	699283	80.47 UG/L	95

V-0200

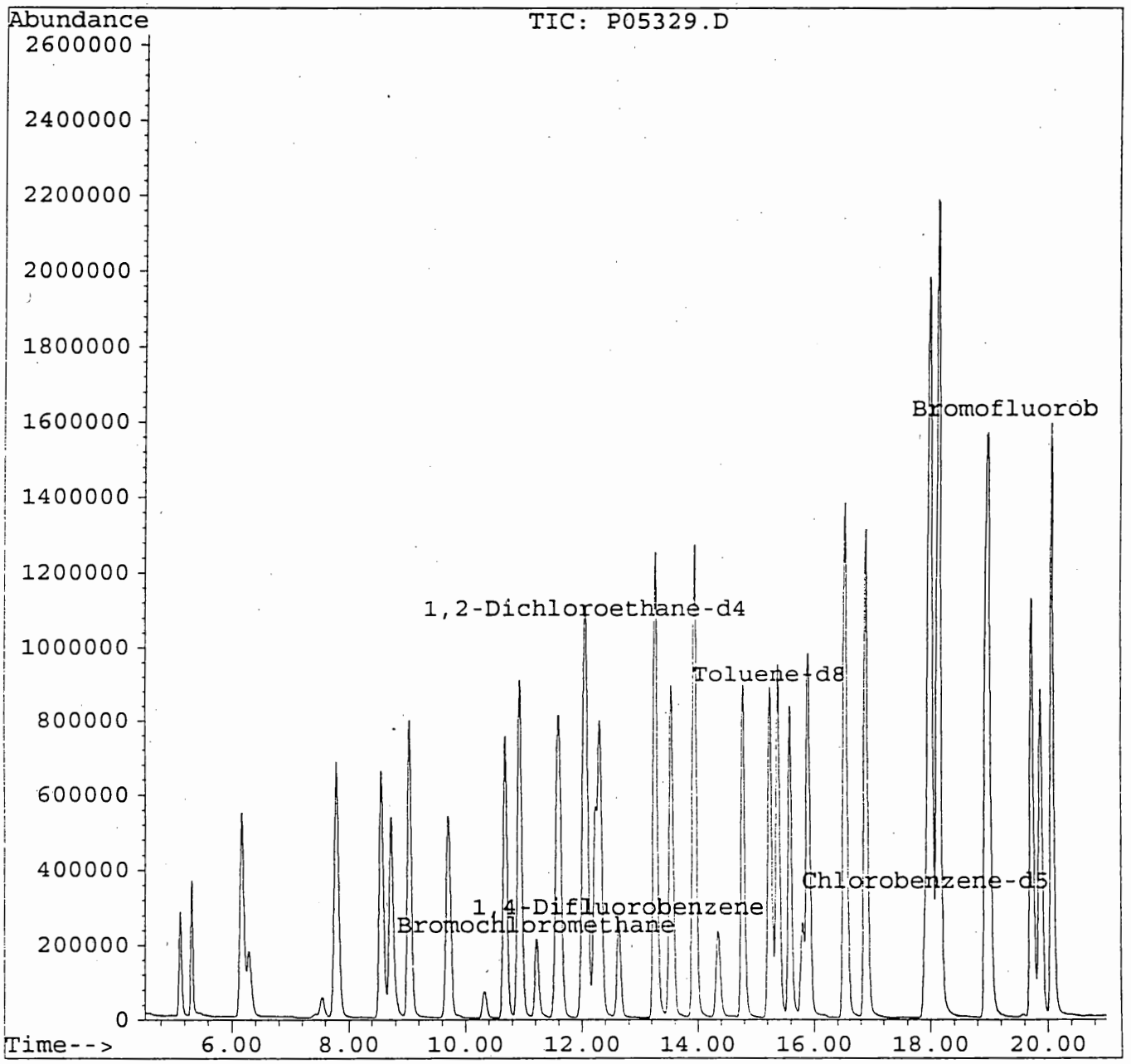
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05329.D
Acq On : 31 Dec 96 3:27 pm
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:54 1996

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0201

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05329.D
Acq On : 31 Dec 96 15:27
Sample : VSTD200
Misc : H5970-3 12/31/96
Quant Time: Dec 31 15:54 1996

Vial: 13
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05327.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.22	128	130356	50.00	UG/L		0.11
21) 1,4-Difluorobenzene	12.64	114	462132	50.00	UG/L		0.12
33) Chlorobenzene-d5	17.91	117	364829	50.00	UG/L		0.15
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.08	65	690794	157.00	UG/L		
34) Toluene-d8	15.25	98	1483978	193.57	UG/L		
43) Bromofluorobenzene	20.08	95	1320691	177.05	UG/L		
Target Compounds							Qvalue
2) Chloromethane	5.13	50	539905	557.43	UG/L		93
3) Vinyl Chloride	5.33	62	501691	298.87	UG/L		100
4) Bromomethane	6.17	94	927896	297.27	UG/L		99
5) Chloroethane	6.30	64	424956	336.32	UG/L		97
6) 1,1-Dichloroethene	7.79	96	699768	262.92	UG/L	#	88
7) Carbon Disulfide	8.73	76	2089241	683.23	UG/L		94
8) Acetone	7.55	43	204154	131.06	UG/L		88
9) Methylene Chloride	8.57	84	767869	230.69	UG/L		93
13) trans-1,2-Dichloroethene	9.05	96	731493	233.52	UG/L		97
14) cis-,1,2-Dichloroethene	10.68	96	768317	187.89	UG/L		92
15) 1,2-Dichloroethene (total)	10.68	96	1520793m	412.74	UG/L		94
16) 1,1-Dichloroethane	9.70	63	1394477	207.55	UG/L		97
17) Chloroform	10.94	83	1778880	160.14	UG/L		95
19) 1,2-Dichloroethane	12.23	62	984221	160.78	UG/L		95
20) 2-Butanone	10.32	43	248637	118.44	UG/L		96
22) 1,1,1-Trichloroethane	11.60	97	1586964	149.13	UG/L		96
23) Carbon Tetrachloride	12.05	117	1463009	138.57	UG/L		89
24) Trichloroethene	13.26	130	993648	173.71	UG/L		96
25) Benzene	12.31	78	1621637	214.74	UG/L		99
26) 1,2-Dichloropropane	13.55	63	810012	213.84	UG/L		94
27) Bromodichloromethane	13.95	83	2028675	148.63	UG/L		96
28) cis-1,3-Dichloropropene	14.78	75	1177066	183.16	UG/L		96
29) trans-1,3-Dichloropropene	15.59	75	1033739	165.16	UG/L		93
30) 1,1,2-Trichloroethane	15.91	97	729180	151.79	UG/L		95
31) Dibromochloromethane	16.91	129	1645590	129.90	UG/L		100
32) Bromoform	19.74	173	1230643	122.84	UG/L		98
35) 4-Methyl-2-Pentanone	14.35	43	469585	133.50	UG/L		95
36) Toluene	15.39	91	1671037	186.95	UG/L		97
37) Tetrachloroethene	16.54	164	836252	167.26	UG/L		99
38) 2-Hexanone	15.81	43	440020	120.65	UG/L		96
39) Chlorobenzene	17.98	112	1497326	163.16	UG/L		94
40) Ethylbenzene	18.02	106	579355	162.81	UG/L	#	77
41) Xylene (total)	18.96	106	750039	167.63	UG/L		90
42) Styrene	19.01	104	1296307	161.26	UG/L		95

2/14/97

V-0202

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\DEC96\P05329.D Vial: 13
Acq On : 31 Dec 96 15:27 Operator: GLENN
Sample : VSTD200 Inst : 5970 - In
Misc : H5970-3 12/31/96 Multiplr: 1.00
Quant Time: Dec 31 15:54 1996

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jun 18 12:50:01 1996
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05327.D

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) m/p-Xylene	18.15	106	1499552	342.16 UG/L	93
45) 1,1,2,2-Tetrachloroethane	19.88	83	1198209	151.53 UG/L	97

(#) = qualifier out of range (m) = manual integration

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date: 01/24/97 Time: 10:19

Lab File ID: P05461.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) Y Init. Calib. Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.061	1.066		-0.4	
Bromomethane	1.832	1.988	0.100	-8.5	25.0
Vinyl Chloride	1.139	1.253	0.100	-10.0	25.0
Chloroethane	0.844	1.013		-20.1	
Methylene Chloride	1.538	1.814		-18.0	
Acetone	0.441	0.542		-22.8	
Carbon Disulfide	4.320	5.124		-18.6	
1,1-Dichloroethene	1.515	1.824	0.100	-20.4	25.0
1,1-Dichloroethane	2.916	3.426	0.200	-17.5	25.0
1,2-Dichloroethene (total)	1.655	2.003		-21.0	
Chloroform	3.634	4.512	0.200	-24.1	25.0
1,2-Dichloroethane	1.982	2.358	0.100	-19.0	25.0
2-Butanone	0.513	0.599		-16.7	
1,1,1-Trichloroethane	0.904	1.069	0.100	-18.3	25.0
Carbon Tetrachloride	0.852	1.045	0.100	-22.7	25.0
Bromodichloromethane	1.111	1.292	0.200	-16.3	25.0
1,2-Dichloropropane	0.439	0.472		-7.5	
cis-1,3-Dichloropropene	0.634	0.717	0.200	-13.0	25.0
Trichloroethene	0.562	0.625	0.300	-11.3	25.0
Benzene	0.910	1.020	0.500	-12.1	25.0
Dibromochloromethane	0.860	0.939	0.100	-9.3	25.0
trans-1,3-Dichloropropene	0.544	0.613	0.100	-12.6	25.0
1,1,2-Trichloroethane	0.404	0.425	0.100	-5.0	25.0
Bromoform	0.613	0.648	0.100	-5.7	25.0
4-Methyl-2-Pentanone	0.332	0.312		6.2	
2-Hexanone	0.336	0.315		6.1	
Tetrachloroethene	0.640	0.732	0.200	-14.4	25.0
1,1,2,2-Tetrachloroethane	0.856	0.859	0.500	-0.3	25.0
Toluene	1.234	1.380	0.400	-11.8	25.0
Chlorobenzene	1.102	1.237	0.500	-12.3	25.0
Ethylbenzene	0.434	0.478	0.100	-10.0	25.0
Styrene	0.907	0.979	0.300	-7.9	25.0
Xylene (total)	0.532	0.585	0.300	-9.9	25.0
1,2-Dichloroethane-d4	1.397	1.507		-7.9	
Toluene-d8	1.050	1.037		1.2	
Bromofluorobenzene	0.907	0.947	0.200	-4.4	25.0

All other compounds must meet a minimum RRF of 0.010.

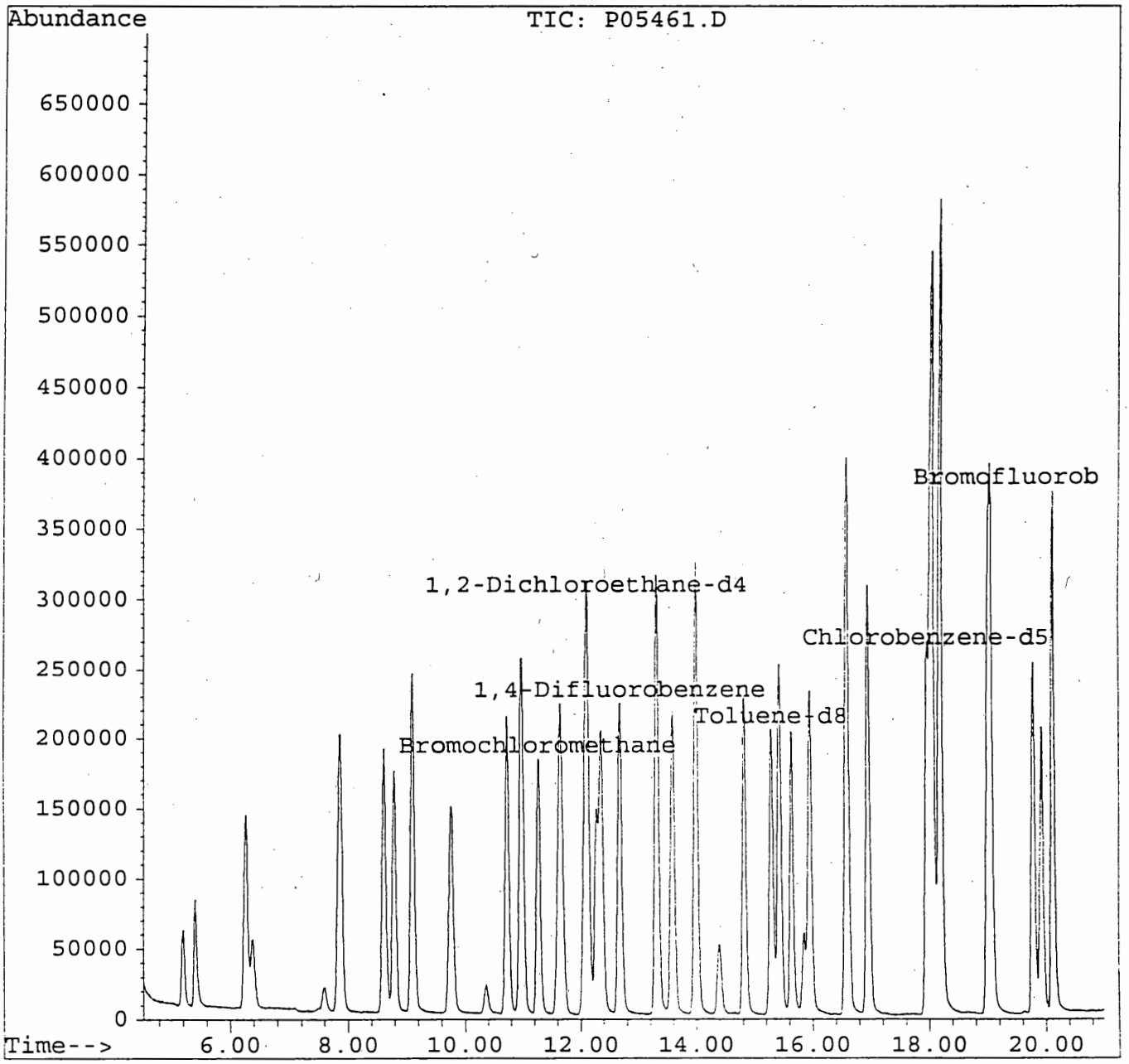
V 0204

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05461.D
Acq On : 24 Jan 97 10:19 am
Sample : VSTD050
Misc : H5970-3 1/24/97
Quant Time: Jan 24 10:46 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0205

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05461.D
Acq On : 24 Jan 97 10:19
Sample : VSTD050
Misc : H5970-3 1/24/97
Quant Time: Jan 24 10:46 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 20 11:51:41 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05425.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.27	128	109635	50.00	UG/L		-0.03
21) 1,4-Difluorobenzene	12.68	114	392211	50.00	UG/L		-0.04
33) Chlorobenzene-d5	17.96	117	313283	50.00	UG/L		-0.04
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	12.12	65	165189	51.44	UG/L		102.88%
34) Toluene-d8	15.29	98	324802	50.83	UG/L		101.65%
43) Bromofluorobenzene	20.13	95	296686	51.81	UG/L		103.62%
Target Compounds							Qvalue
2) Chloromethane	5.20	50	116817	50.37	UG/L		92
3) Vinyl Chloride	5.41	62	137420	52.54	UG/L		100
4) Bromomethane	6.26	94	217977	56.62	UG/L		98
5) Chloroethane	6.38	64	111087	56.35	UG/L		100
6) 1,1-Dichloroethene	7.87	96	199957	56.77	UG/L	#	85
7) Carbon Disulfide	8.79	76	561779	55.96	UG/L		94
8) Acetone	7.59	43	59404	46.82	UG/L		89
9) Methylene Chloride	8.62	84	198903	55.66	UG/L		97
13) trans-1,2-Dichloroethene	9.11	96	215635	57.67	UG/L		95
14) cis-,1,2-Dichloroethene	10.73	96	214436	55.45	UG/L		89
15) 1,2-Dichloroethene (total)	9.11	96	439239m	112.53	UG/L		90
16) 1,1-Dichloroethane	9.77	63	375607	54.02	UG/L		94
17) Chloroform	10.98	83	494623	56.27	UG/L		94
19) 1,2-Dichloroethane	12.28	62	258530	51.79	UG/L		93
20) 2-Butanone	10.37	43	65689	46.57	UG/L		96
22) 1,1,1-Trichloroethane	11.65	97	419111	55.92	UG/L		94
23) Carbon Tetrachloride	12.11	117	409913	56.67	UG/L		93
24) Trichloroethene	13.31	130	245316	53.66	UG/L		94
25) Benzene	12.36	78	400195	50.45	UG/L		97
26) 1,2-Dichloropropane	13.59	63	184937	48.97	UG/L		92
27) Bromodichloromethane	13.99	83	506665	53.37	UG/L		98
28) cis-1,3-Dichloropropene	14.83	75	281153	50.93	UG/L		94
29) trans-1,3-Dichloropropene	15.64	75	240322	49.55	UG/L		97
30) 1,1,2-Trichloroethane	15.96	97	166562	48.98	UG/L		94
31) Dibromochloromethane	16.95	129	368409	50.03	UG/L		99
32) Bromoform	19.79	173	254163	48.09	UG/L		97
35) 4-Methyl-2-Pentanone	14.39	43	97687	42.48	UG/L		93
36) Toluene	15.43	91	432399	52.38	UG/L		100
37) Tetrachloroethene	16.59	164	229451	53.31	UG/L		99
38) 2-Hexanone	15.84	43	98713	45.33	UG/L		94
39) Chlorobenzene	18.03	112	387658	52.61	UG/L		89
40) Ethylbenzene	18.07	106	149606	52.16	UG/L	#	74
41) Xylene (total)	19.02	106	183223	52.16	UG/L	#	88
42) Styrene	19.06	104	306703	51.59	UG/L		92

2/11/97

V-0206

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05461.D Vial: 1
Acq On : 24 Jan 97 10:19 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/24/97 Multiplr: 1.00
Quant Time: Jan 24 10:46 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 20 11:51:41 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05425.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) m/p-Xylene	18.20	106	381644	106.06	UG/L	95
45) 1,1,2,2-Tetrachloroethane	19.93	83	268944	46.91	UG/L	94

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date: 01/27/97 Time: 15:21

Lab File ID: P05484.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) Y Init. Calib. Times: 13:23 15:27

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.061	1.005		5.3	
Bromomethane	1.832	1.923	0.100	-5.0	25.0
Vinyl Chloride	1.139	1.210	0.100	-6.2	25.0
Chloroethane	0.844	0.954		-13.1	
Methylene Chloride	1.538	1.715		-11.5	
Acetone	0.441	0.569		-28.9	
Carbon Disulfide	4.320	4.699		-8.8	
1,1-Dichloroethene	1.515	1.721	0.100	-13.6	25.0
1,1-Dichloroethane	2.916	3.499	0.200	-20.0	25.0
1,2-Dichloroethene (total)	1.655	1.886		-14.0	
Chloroform	3.634	4.528	0.200	-24.6	25.0
1,2-Dichloroethane	1.982	2.375	0.100	-19.8	25.0
2-Butanone	0.513	0.621		-21.0	
1,1,1-Trichloroethane	0.904	1.023	0.100	-13.2	25.0
Carbon Tetrachloride	0.852	0.991	0.100	-16.3	25.0
Bromodichloromethane	1.111	1.241	0.200	-11.7	25.0
1,2-Dichloropropane	0.439	0.452		-3.1	
cis-1,3-Dichloropropene	0.634	0.688	0.200	-8.4	25.0
Trichloroethene	0.562	0.602	0.300	-7.1	25.0
Benzene	0.910	0.953	0.500	-4.7	25.0
Dibromochloromethane	0.860	0.912	0.100	-6.0	25.0
trans-1,3-Dichloropropene	0.544	0.594	0.100	-9.1	25.0
1,1,2-Trichloroethane	0.404	0.405	0.100	-0.2	25.0
Bromoform	0.613	0.650	0.100	-6.0	25.0
4-Methyl-2-Pentanone	0.332	0.316		5.0	
2-Hexanone	0.336	0.315		6.2	
Tetrachloroethene	0.640	0.709	0.200	-10.8	25.0
1,1,2,2-Tetrachloroethane	0.856	0.839	0.500	2.0	25.0
Toluene	1.234	1.328	0.400	-7.6	25.0
Chlorobenzene	1.102	1.166	0.500	-5.8	25.0
Ethylbenzene	0.434	0.455	0.100	-4.8	25.0
Styrene	0.907	0.957	0.300	-5.4	25.0
Xylene (total)	0.532	0.566	0.300	-6.3	25.0
1,2-Dichloroethane-d4	1.397	1.544		-10.5	
Toluene-d8	1.050	1.027		2.1	
Bromofluorobenzene	0.907	0.960	0.200	-5.9	25.0

All other compounds must meet a minimum RRF of 0.010.

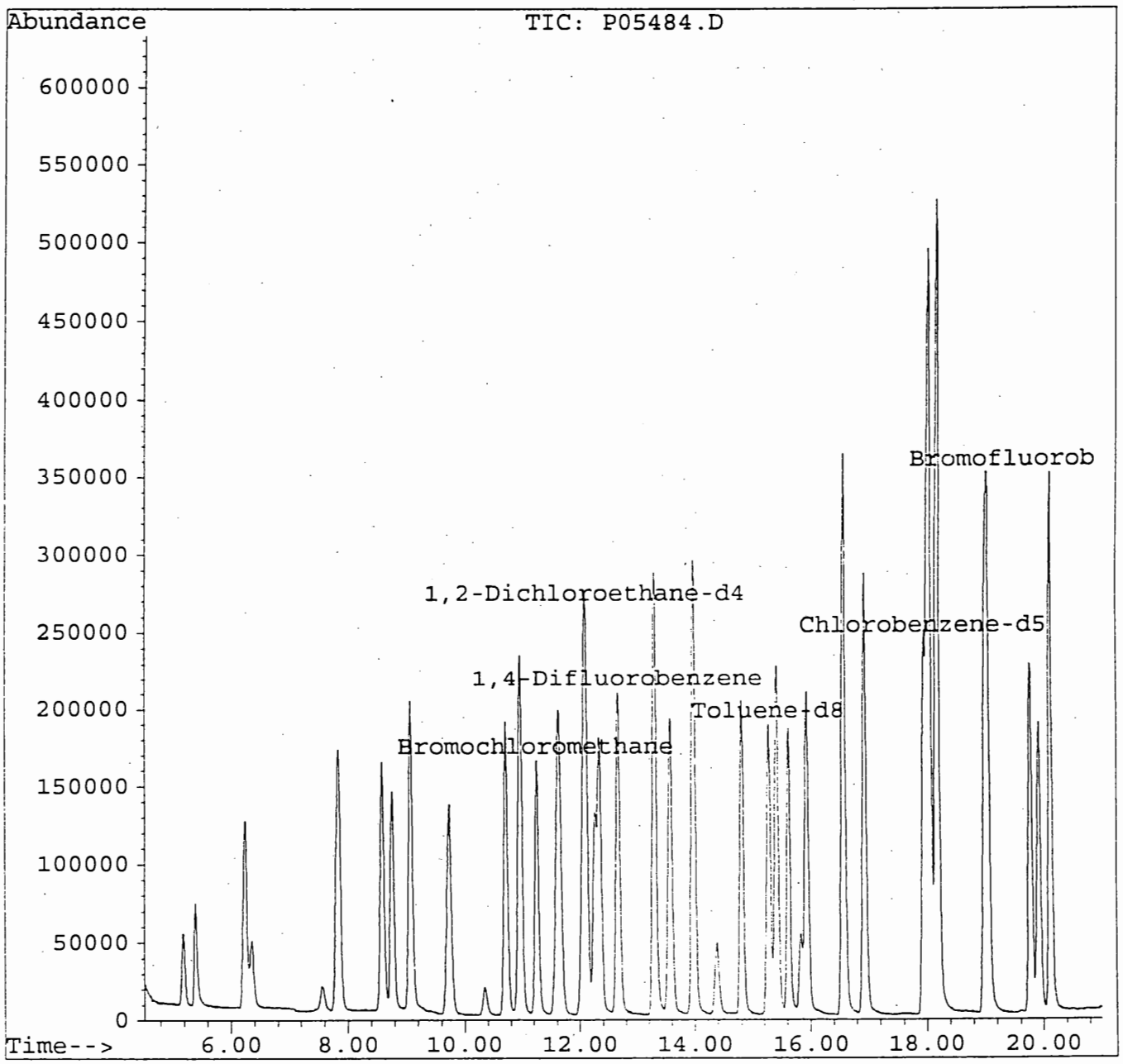
V 0208

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05484.D
Acq On : 27 Jan 97 3:21 pm
Sample : VSTD050
Misc : H5970-3 1/27/97
Quant Time: Jan 27 15:48 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0209

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05484.D
Acq On : 27 Jan 97 15:21
Sample : VSTD050
Misc : H5970-3 1/27/97
Quant Time: Jan 27 15:48 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.26	128	98034	50.00	UG/L		-0.01
21) 1,4-Difluorobenzene	12.66	114	366979	50.00	UG/L		-0.02
33) Chlorobenzene-d5	17.95	117	293533	50.00	UG/L		0.00
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	12.11	65	151363	51.24	UG/L		102.47%
34) Toluene-d8	15.28	98	301557	49.55	UG/L		99.09%
43) Bromofluorobenzene	20.12	95	281822	50.69	UG/L		101.38%
Target Compounds							**Qvalue**
2) Chloromethane	5.18	50	98492	47.15	UG/L		96
3) Vinyl Chloride	5.40	62	118586	48.25	UG/L		97
4) Bromomethane	6.24	94	188549	48.37	UG/L		96
5) Chloroethane	6.36	64	93523	47.08	UG/L		98
6) 1,1-Dichloroethene	7.83	96	168713	47.18	UG/L	#	80
7) Carbon Disulfide	8.76	76	460684	45.85	UG/L		91
8) Acetone	7.58	43	55785	52.51	UG/L		88
9) Methylene Chloride	8.59	84	168116	47.26	UG/L		94
13) trans-1,2-Dichloroethene	9.08	96	174751	45.32	UG/L		95
14) cis-,1,2-Dichloroethene	10.71	96	184563	48.13	UG/L		89
15) 1,2-Dichloroethene (total)	10.71	96	369863m	94.17	UG/L		83
16) 1,1-Dichloroethane	9.74	63	343049	51.07	UG/L		93
17) Chloroform	10.96	83	443937	50.19	UG/L		97
19) 1,2-Dichloroethane	12.26	62	232822	50.36	UG/L		93
20) 2-Butanone	10.35	43	60872	51.82	UG/L		96
22) 1,1,1-Trichloroethane	11.63	97	375265	47.85	UG/L		94
23) Carbon Tetrachloride	12.08	117	363617	47.40	UG/L		99
24) Trichloroethene	13.30	130	220883	48.12	UG/L		94
25) Benzene	12.35	78	349781	46.71	UG/L		99
26) 1,2-Dichloropropane	13.59	63	166032	47.98	UG/L		90
27) Bromodichloromethane	13.97	83	455470	48.04	UG/L		98
28) cis-1,3-Dichloropropene	14.82	75	252338	47.96	UG/L		96
29) trans-1,3-Dichloropropene	15.63	75	217912	48.45	UG/L		97
30) 1,1,2-Trichloroethane	15.94	97	148742	47.72	UG/L		94
31) Dibromochloromethane	16.93	129	334553	48.53	UG/L		99
32) Bromoform	19.77	173	238458	50.14	UG/L		98
35) 4-Methyl-2-Pentanone	14.38	43	92683	50.63	UG/L		95
36) Toluene	15.42	91	389678	48.09	UG/L		98
37) Tetrachloroethene	16.57	164	208101	48.40	UG/L		99
38) 2-Hexanone	15.84	43	92364	49.93	UG/L		99
39) Chlorobenzene	18.03	112	342112	47.09	UG/L		88
40) Ethylbenzene	18.06	106	133655	47.67	UG/L	#	90
41) Xylene (total)	19.01	106	165990	48.35	UG/L	#	82
42) Styrene	19.05	104	280773	48.85	UG/L		90

(#) = qualifier out of range (m) = manual integration

V 0210

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05484.D Vial: 1
Acq On : 27 Jan 97 15:21 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/27/97 Multiplr: 1.00
Quant Time: Jan 27 15:48 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) m/p-Xylene	18.18	106	346165	96.81	UG/L	93
45) 1,1,2,2-Tetrachloroethane	19.92	83	246266	48.86	UG/L	98

V 0211

(#) = qualifier out of range (m) = manual integration

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date: 01/28/97 Time: 12:21

Lab File ID: P05498.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) N Init. Calib. Times: 11:19 16:42

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.272	1.025		19.4	
Bromomethane	2.096	2.079	0.100	0.8	25.0
Vinyl Chloride	1.391	1.313	0.100	5.6	25.0
Chloroethane	0.976	0.986		-1.0	
Methylene Chloride	1.641	1.772		-8.0	
Acetone	0.342	0.390		-14.0	
Carbon Disulfide	4.977	5.223		-5.0	
1,1-Dichloroethene	1.739	1.934	0.100	-11.2	25.0
1,1-Dichloroethane	3.308	3.629	0.200	-9.7	25.0
1,2-Dichloroethene (total)	1.859	2.027		-9.1	
Chloroform	4.054	4.813	0.200	-18.7	25.0
1,2-Dichloroethane	2.003	2.370	0.100	-18.3	25.0
2-Butanone	0.367	0.381		-3.8	
1,1,1-Trichloroethane	0.946	1.118	0.100	-18.2	25.0
Carbon Tetrachloride	0.912	1.141	0.100	-25.1	25.0
Bromodichloromethane	1.100	1.266	0.200	-15.0	25.0
1,2-Dichloropropane	0.443	0.434		2.1	
cis-1,3-Dichloropropene	0.629	0.640	0.200	-1.7	25.0
Trichloroethene	0.606	0.620	0.300	-2.2	25.0
Benzene	0.963	0.983	0.500	-2.0	25.0
Dibromochloromethane	0.777	0.862	0.100	-11.0	25.0
trans-1,3-Dichloropropene	0.492	0.518	0.100	-5.2	25.0
1,1,2-Trichloroethane	0.353	0.345	0.100	2.0	25.0
Bromoform	0.503	0.545	0.100	-8.4	25.0
4-Methyl-2-Pentanone	0.255	0.188		26.3	
2-Hexanone	0.212	0.193		8.9	
Tetrachloroethene	0.725	0.759	0.200	-4.8	25.0
1,1,2,2-Tetrachloroethane	0.633	0.614	0.500	3.0	25.0
Toluene	1.359	1.295	0.400	4.7	25.0
Chlorobenzene	1.175	1.159	0.500	1.4	25.0
Ethylbenzene	0.474	0.470	0.100	0.8	25.0
Styrene	0.958	0.897	0.300	6.4	25.0
Xylene (total)	0.580	0.554	0.300	4.4	25.0
1,2-Dichloroethane-d4	1.349	1.520		-12.7	
Toluene-d8	1.109	1.001		9.7	
Bromofluorobenzene	0.892	0.962	0.200	-7.8	25.0

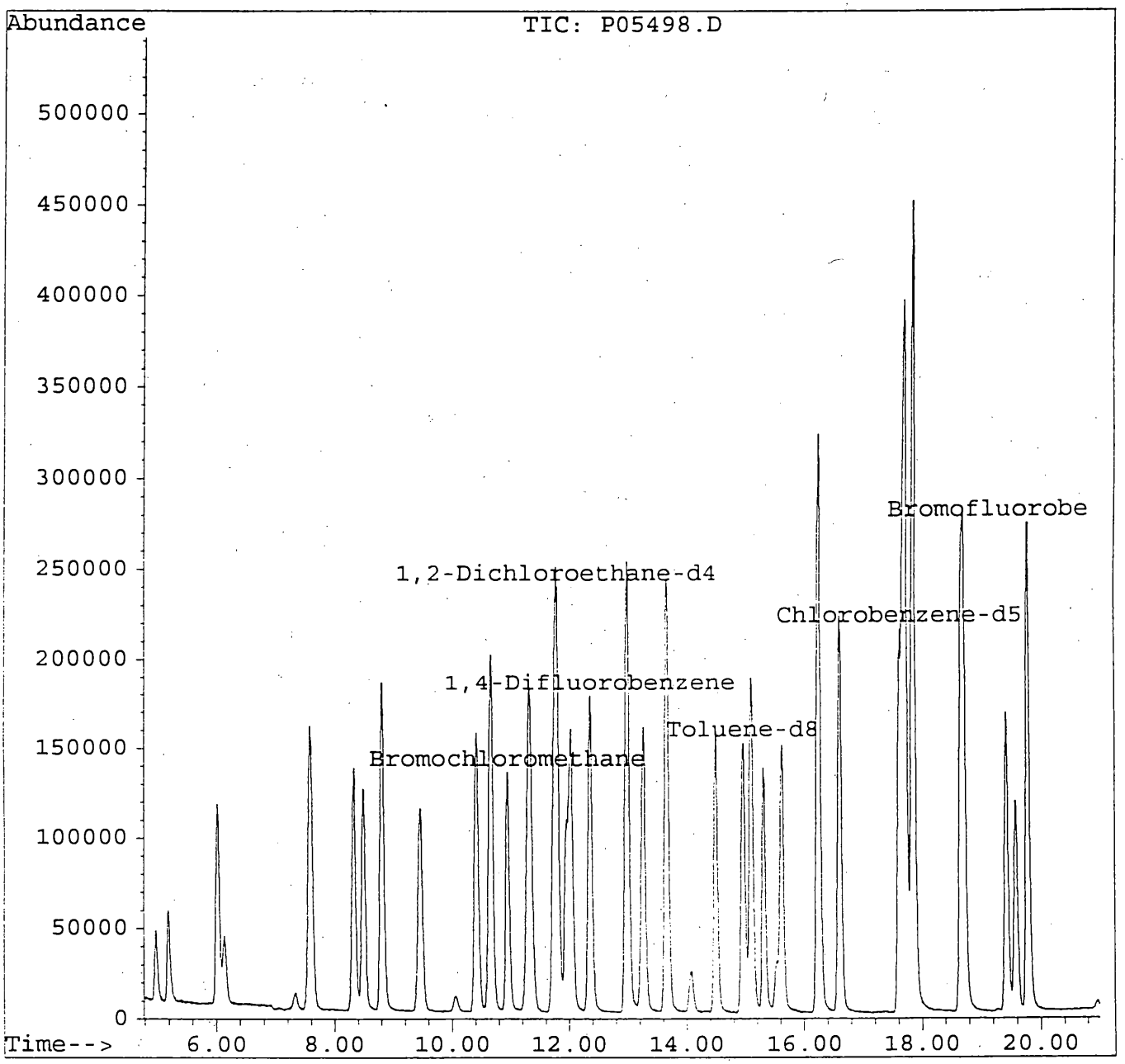
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05498.D
Acq On : 28 Jan 97 12:21 pm
Sample : VSTD050
Misc : H5970-3 1/28/97
Quant Time: Jan 28 12:52 1997

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



\ C213

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05498.D Vial: 3
Acq On : 28 Jan 97 12:21 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/28/97 Multiplr: 1.00
Quant Time: Jan 28 12:52 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:50:21 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	10.95	128	78170	50.00	UG/L		0.00
21) 1,4-Difluorobenzene	12.36	114	306444	50.00	UG/L		0.00
33) Chlorobenzene-d5	17.63	117	243567	50.00	UG/L		0.00
System Monitoring Compounds							%Recovery
18) 1,2-Dichloroethane-d4	11.80	65	118831	50.00	UG/L		100.00%
34) Toluene-d8	14.97	98	243763	49.66	UG/L		99.32%
43) Bromofluorobenzene	19.78	95	234361	48.88	UG/L		97.76%
Target Compounds							Qvalue
2) Chloromethane	4.98	50	80084	50.00	UG/L		91
3) Vinyl Chloride	5.18	62	102656	50.00	UG/L		95
4) Bromomethane	6.02	94	162545	50.00	UG/L		97
5) Chloroethane	6.14	64	77054	50.00	UG/L		99
6) 1,1-Dichloroethene	7.59	96	151188	50.00	UG/L	#	84
7) Carbon Disulfide	8.50	76	408295	50.00	UG/L		93
8) Acetone	7.33	43	30476	50.00	UG/L		89
9) Methylene Chloride	8.32	84	138527	50.00	UG/L		96
13) trans-1,2-Dichloroethene	8.80	96	157533	50.00	UG/L		92
14) cis-,1,2-Dichloroethene	10.41	96	152358	50.00	UG/L		89
15) 1,2-Dichloroethene (total)	8.80	96	316937m	100.08	UG/L		78
16) 1,1-Dichloroethane	9.46	63	283659	50.00	UG/L		97
17) Chloroform	10.67	83	376205	50.00	UG/L		95
19) 1,2-Dichloroethane	11.95	62	185266	50.00	UG/L		92
20) 2-Butanone	10.05	43	29750	50.00	UG/L		94
22) 1,1,1-Trichloroethane	11.32	97	342555	50.00	UG/L		94
23) Carbon Tetrachloride	11.78	117	349567m	95.95	UG/L		97
24) Trichloroethene	12.98	130	189931	50.00	UG/L		97
25) Benzene	12.03	78	301094	50.00	UG/L		100
26) 1,2-Dichloropropane	13.26	63	133020	50.00	UG/L	#	86
27) Bromodichloromethane	13.66	83	387834	50.00	UG/L		97
28) cis-1,3-Dichloropropene	14.51	75	196084	50.00	UG/L		94
29) trans-1,3-Dichloropropene	15.31	75	158727	50.00	UG/L		95
30) 1,1,2-Trichloroethane	15.63	97	105860	50.00	UG/L		95
31) Dibromochloromethane	16.61	129	264123	50.00	UG/L		96
32) Bromoform	19.43	173	167122	50.00	UG/L		97
35) 4-Methyl-2-Pentanone	14.09	43	45685	48.70	UG/L		97
36) Toluene	15.10	91	315428	49.61	UG/L		97
37) Tetrachloroethene	16.26	164	184907	49.63	UG/L		95
38) 2-Hexanone	15.54	43	47042	48.81	UG/L		97
39) Chlorobenzene	17.69	112	282361	50.76	UG/L		89
40) Ethylbenzene	17.73	106	114533	47.38	UG/L	#	79
41) Xylene (total)	18.67	106	135026	49.52	UG/L	#	83
42) Styrene	18.71	104	218411	49.70	UG/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05498.D Vial: 3
Acq On : 28 Jan 97 12:21 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/28/97 Multiplr: 1.00
Quant Time: Jan 28 12:52 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:50:21 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) m/p-Xylene	17.86	106	279461	98.52	UG/L	#	89
45) 1,1,2,2-Tetrachloroethane	19.58	83	149518	49.63	UG/L		91

(#) = qualifier out of range (m) = manual integration

V 0215

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date: 01/29/97 Time: 13:49

Lab File ID: P05519.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) N Init. Calib. Times: 11:19 16:42

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.272	1.064		16.4	
Bromomethane	2.096	2.320	0.100	-10.7	25.0
Vinyl Chloride	1.391	1.374	0.100	1.2	25.0
Chloroethane	0.976	1.070		-9.6	
Methylene Chloride	1.641	1.805		-10.0	
Acetone	0.342	0.351		-2.7	
Carbon Disulfide	4.977	5.283		-6.2	
1,1-Dichloroethene	1.739	2.107	0.100	-21.2	25.0
1,1-Dichloroethane	3.308	4.023	0.200	-21.6	25.0
1,2-Dichloroethene (total)	1.859	2.188		-17.7	
Chloroform	4.054	5.105	0.200	-25.9	25.0
1,2-Dichloroethane	2.003	2.228	0.100	-11.2	25.0
2-Butanone	0.367	0.371		-1.2	
1,1,1-Trichloroethane	0.946	1.049	0.100	-11.0	25.0
Carbon Tetrachloride	0.912	1.026	0.100	-12.5	25.0
Bromodichloromethane	1.100	1.142	0.200	-3.8	25.0
1,2-Dichloropropane	0.443	0.429		3.3	
cis-1,3-Dichloropropene	0.629	0.613	0.200	2.7	25.0
Trichloroethene	0.606	0.629	0.300	-3.8	25.0
Benzene	0.963	0.970	0.500	-0.7	25.0
Dibromochloromethane	0.777	0.771	0.100	0.7	25.0
trans-1,3-Dichloropropene	0.492	0.474	0.100	3.8	25.0
1,1,2-Trichloroethane	0.353	0.317	0.100	10.1	25.0
Bromoform	0.503	0.469	0.100	6.9	25.0
4-Methyl-2-Pentanone	0.255	0.162		36.4	
2-Hexanone	0.212	0.160		24.6	
Tetrachloroethene	0.725	0.783	0.200	-8.0	25.0
1,1,2,2-Tetrachloroethane	0.633	0.535	0.500	15.5	25.0
Toluene	1.359	1.345	0.400	1.0	25.0
Chlorobenzene	1.175	1.180	0.500	-0.4	25.0
Ethylbenzene	0.474	0.479	0.100	-1.1	25.0
Styrene	0.958	0.903	0.300	5.8	25.0
Xylene (total)	0.580	0.560	0.300	3.5	25.0
1,2-Dichloroethane-d4	1.349	1.408		-4.4	
Toluene-d8	1.109	1.036		6.5	
Bromofluorobenzene	0.892	0.931	0.200	-4.3	25.0

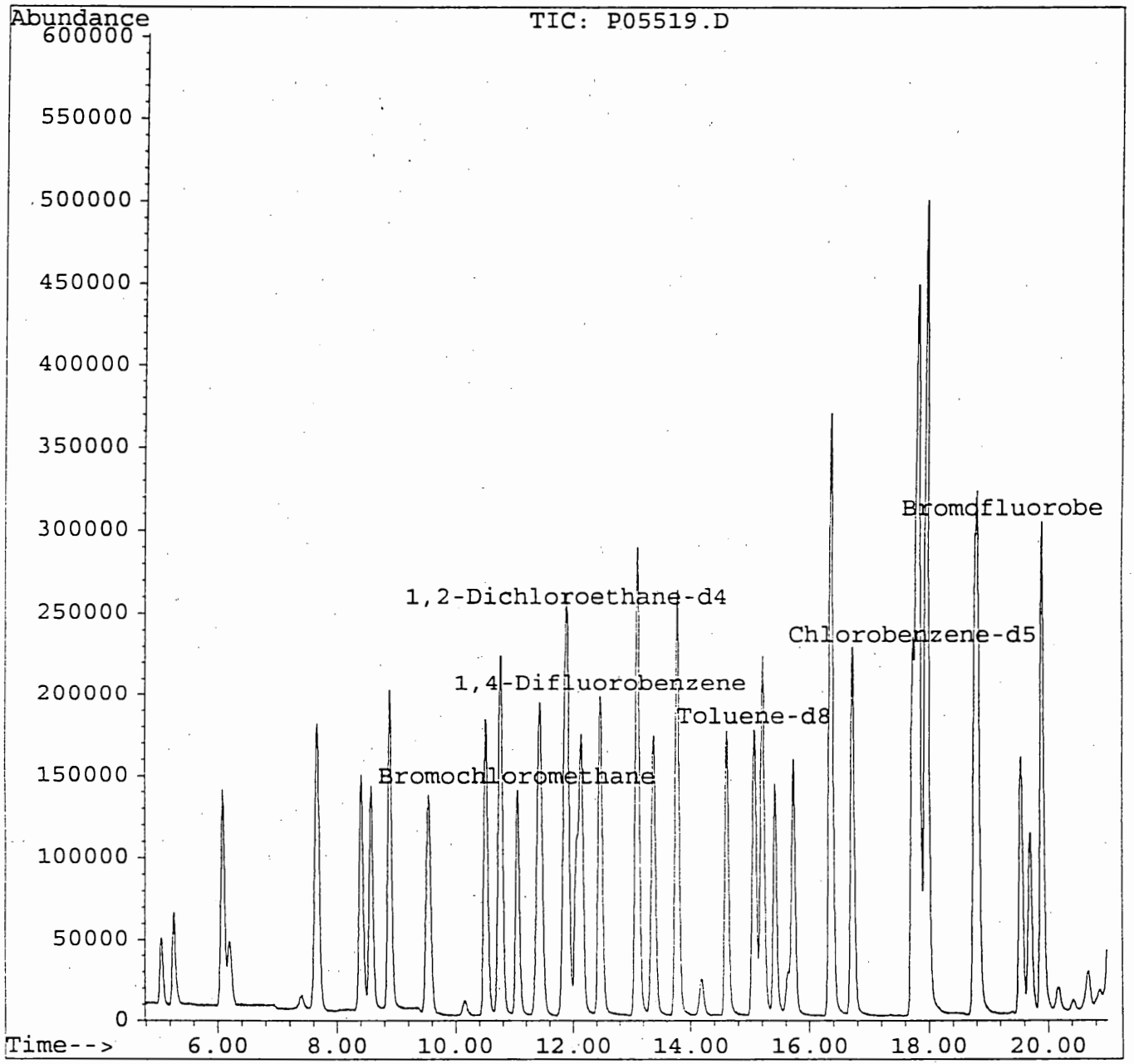
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05519.D
Acq On : 29 Jan 97 1:49 pm
Sample : VSTD050
Misc : H5970-3 1/29/97
Quant Time: Jan 29 14:25 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



\ C217

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05519.D Vial: 1
Acq On : 29 Jan 97 13:49 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/29/97 Multiplr: 1.00
Quant Time: Jan 29 14:25 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:53:08 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.05	128	84715	50.00	UG/L		0.10
21) 1,4-Difluorobenzene	12.47	114	357408	50.00	UG/L		0.11
33) Chlorobenzene-d5	17.73	117	281348	50.00	UG/L		0.10
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	11.90	65	119302	46.32	UG/L		92.64%
34) Toluene-d8	15.07	98	291546	51.77	UG/L		103.54%
43) Bromofluorobenzene	19.90	95	261809	48.36	UG/L		96.71%
Target Compounds							**Qvalue**
2) Chloromethane	5.05	50	90107	51.91	UG/L		92
3) Vinyl Chloride	5.26	62	116373	52.30	UG/L		99
4) Bromomethane	6.08	94	196527	55.78	UG/L		99
5) Chloroethane	6.20	64	90659	54.28	UG/L		95
6) 1,1-Dichloroethene	7.66	96	178524	54.48	UG/L	#	85
7) Carbon Disulfide	8.58	76	447554	50.57	UG/L		93
8) Acetone	7.40	43	29738	45.02	UG/L		87
9) Methylene Chloride	8.41	84	152881	50.92	UG/L		94
13) trans-1,2-Dichloroethene	8.88	96	175393	51.37	UG/L		96
14) cis-,1,2-Dichloroethene	10.52	96	187262	56.71	UG/L		91
15) 1,2-Dichloroethene (total)	8.88	96	370728m	107.93	UG/L		86
16) 1,1-Dichloroethane	9.54	63	340832	55.44	UG/L		94
17) Chloroform	10.77	83	432487	53.04	UG/L		97
19) 1,2-Dichloroethane	12.06	62	188747	47.00	UG/L		93
20) 2-Butanone	10.15	43	31421	48.73	UG/L		97
22) 1,1,1-Trichloroethane	11.43	97	375029	46.93	UG/L		95
23) Carbon Tetrachloride	11.88	117	366760	44.98	UG/L		98
24) Trichloroethene	13.10	130	224922	50.77	UG/L		99
25) Benzene	12.14	78	346573	49.35	UG/L		99
26) 1,2-Dichloropropane	13.38	63	153263	49.39	UG/L		92
27) Bromodichloromethane	13.78	83	408285	45.13	UG/L		97
28) cis-1,3-Dichloropropene	14.61	75	218914	47.86	UG/L		96
29) trans-1,3-Dichloropropene	15.42	75	169323	45.73	UG/L		95
30) 1,1,2-Trichloroethane	15.74	97	113253	45.86	UG/L		91
31) Dibromochloromethane	16.72	129	275703	44.75	UG/L		99
32) Bromoform	19.55	173	167527	42.97	UG/L		98
35) 4-Methyl-2-Pentanone	14.18	43	45561	43.17	UG/L		95
36) Toluene	15.22	91	378537	51.95	UG/L		97
37) Tetrachloroethene	16.36	164	220272	51.56	UG/L		98
38) 2-Hexanone	15.64	43	44983	41.39	UG/L		99
39) Chlorobenzene	17.80	112	331884	50.88	UG/L		91
40) Ethylbenzene	17.84	106	134809	50.95	UG/L	#	86
41) Xylene (total)	18.78	106	157458	50.48	UG/L	#	81
42) Styrene	18.83	104	253977	50.33	UG/L		93

(#) = qualifier out of range (m) = manual integration

V 0218

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05519.D Vial: 1
Acq On : 29 Jan 97 13:49 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/29/97 Multiplr: 1.00
Quant Time: Jan 29 14:25 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:53:08 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44) m/p-Xylene	17.97	106	324124	100.41	UG/L	#	85
45) 1,1,2,2-Tetrachloroethane	19.70	83	150391	43.54	UG/L		99

(#) = qualifier out of range (m) = manual integration

V 0219

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Instrument ID: 5970 Calibration Date: 01/30/97 Time: 12:11

Lab File ID: P05537.D Init. Calib. Date(s): 12/31/96 12/31/96

Heated Purge: (Y/N) N Init. Calib. Times: 11:19 16:42

GC Column: RTX502.2 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	1.272	0.928		27.1	
Bromomethane	2.096	2.068	0.100	1.3	25.0
Vinyl Chloride	1.391	1.257	0.100	9.6	25.0
Chloroethane	0.976	0.967		0.9	
Methylene Chloride	1.641	1.812		-10.4	
Acetone	0.342	0.375		-9.5	
Carbon Disulfide	4.977	5.221		-4.9	
1,1-Dichloroethene	1.739	1.946	0.100	-11.9	25.0
1,1-Dichloroethane	3.308	3.688	0.200	-11.5	25.0
1,2-Dichloroethene (total)	1.859	2.076		-11.7	
Chloroform	4.054	5.073	0.200	-25.1	25.0
1,2-Dichloroethane	2.003	2.432	0.100	-21.4	25.0
2-Butanone	0.367	0.363		1.1	
1,1,1-Trichloroethane	0.946	1.183	0.100	-25.0	25.0
Carbon Tetrachloride	0.912	1.207	0.100	-32.3	25.0
Bromodichloromethane	1.100	1.228	0.200	-11.6	25.0
1,2-Dichloropropane	0.443	0.424		4.4	
cis-1,3-Dichloropropene	0.629	0.621	0.200	1.4	25.0
Trichloroethene	0.606	0.623	0.300	-2.7	25.0
Benzene	0.963	0.957	0.500	0.6	25.0
Dibromochloromethane	0.777	0.842	0.100	-8.4	25.0
trans-1,3-Dichloropropene	0.492	0.511	0.100	-3.9	25.0
1,1,2-Trichloroethane	0.353	0.339	0.100	4.0	25.0
Bromoform	0.503	0.532	0.100	-5.8	25.0
4-Methyl-2-Pentanone	0.255	0.177		30.6	
2-Hexanone	0.212	0.165		22.0	
Tetrachloroethene	0.725	0.750	0.200	-3.5	25.0
1,1,2,2-Tetrachloroethane	0.633	0.576	0.500	8.9	25.0
Toluene	1.359	1.260	0.400	7.2	25.0
Chlorobenzene	1.175	1.131	0.500	3.8	25.0
Ethylbenzene	0.474	0.458	0.100	3.4	25.0
Styrene	0.958	0.871	0.300	9.1	25.0
Xylene (total)	0.580	0.548	0.300	5.6	25.0
1,2-Dichloroethane-d4	1.349	1.600		-18.6	
Toluene-d8	1.109	1.011		8.8	
Bromofluorobenzene	0.892	0.985	0.200	-10.4	25.0

All other compounds must meet a minimum RRF of 0.010.

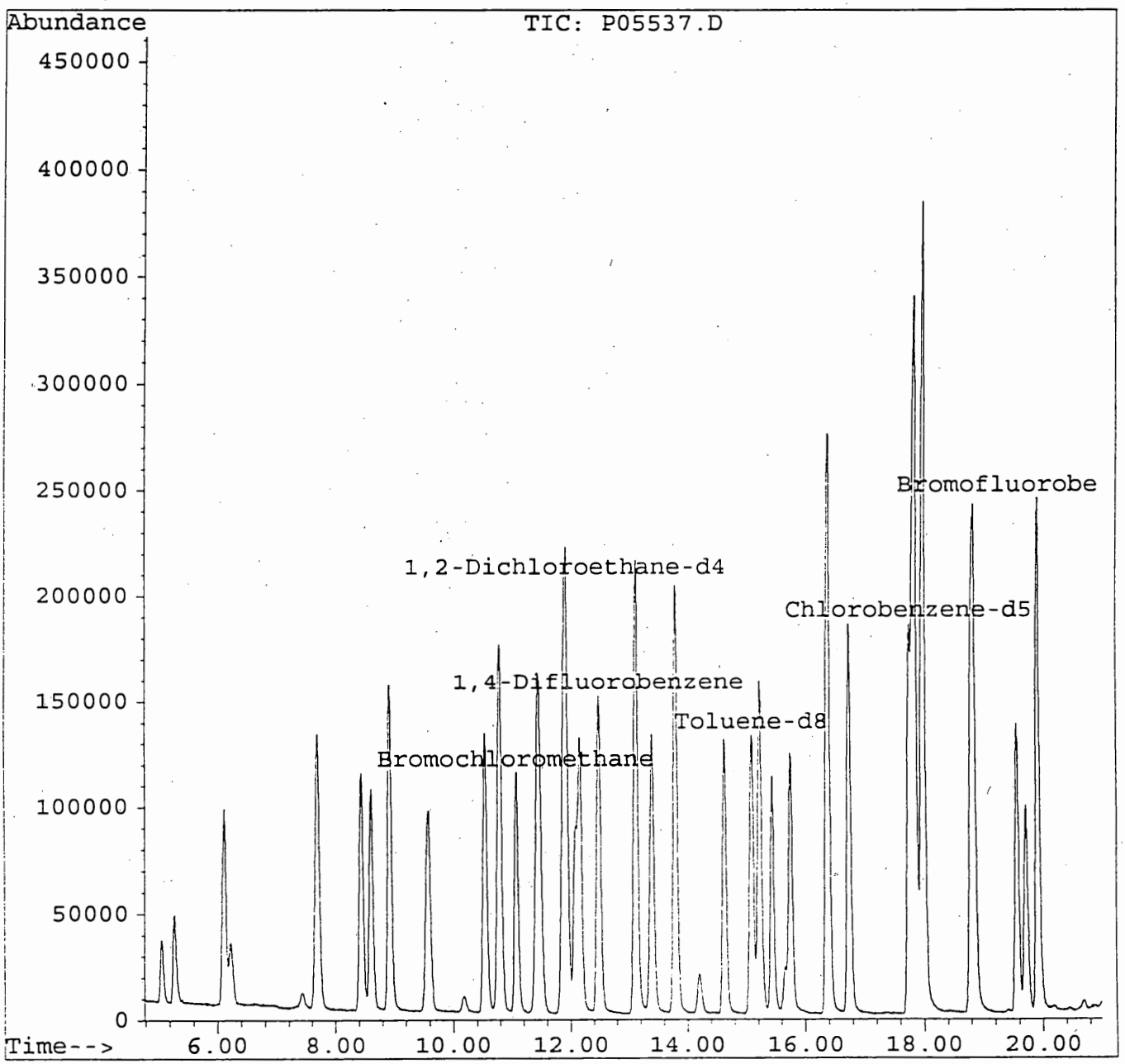
V 0220

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05537.D
Acq On : 30 Jan 97 12:11 pm
Sample : VSTD050
Misc : H5970-3 1/30/97
Quant Time: Jan 30 12:36 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0221

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05537.D
Acq On : 30 Jan 97 12:11
Sample : VSTD050
Misc : H5970-3 1/30/97
Quant Time: Jan 30 12:36 1997

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	11.08	128	65762	50.00	UG/L		0.02
21) 1,4-Difluorobenzene	12.49	114	260179	50.00	UG/L		0.02
33) Chlorobenzene-d5	17.76	117	211874	50.00	UG/L		0.04
System Monitoring Compounds							**%Recovery**
18) 1,2-Dichloroethane-d4	11.93	65	105208	56.80	UG/L		113.60%
34) Toluene-d8	15.09	98	214285	48.80	UG/L		97.60%
43) Bromofluorobenzene	19.92	95	208776	52.95	UG/L		105.89%
Target Compounds							**Qvalue**
2) Chloromethane	5.07	50	60996	43.60	UG/L		97
3) Vinyl Chloride	5.27	62	82635	45.74	UG/L		99
4) Bromomethane	6.11	94	135995	44.57	UG/L		96
5) Chloroethane	6.23	64	63590	45.18	UG/L		98
6) 1,1-Dichloroethene	7.69	96	127973	46.17	UG/L	#	82
7) Carbon Disulfide	8.61	76	343310	49.41	UG/L		95
8) Acetone	7.43	43	24631	53.35	UG/L		85
9) Methylene Chloride	8.45	84	119178	50.21	UG/L		96
13) trans-1,2-Dichloroethene	8.93	96	134918	49.55	UG/L		95
14) cis-,1,2-Dichloroethene	10.55	96	130327	44.83	UG/L		89
15) 1,2-Dichloroethene (total)	8.93	96	272997m	94.86	UG/L		85
16) 1,1-Dichloroethane	9.59	63	242539	45.83	UG/L		98
17) Chloroform	10.79	83	333618	49.69	UG/L		95
19) 1,2-Dichloroethane	12.08	62	159932	54.58	UG/L		92
20) 2-Butanone	10.18	43	23858	48.91	UG/L		97
22) 1,1,1-Trichloroethane	11.46	97	307655	56.35	UG/L		96
23) Carbon Tetrachloride	11.90	117	313987	58.80	UG/L		97
24) Trichloroethene	13.12	130	162063	49.49	UG/L		94
25) Benzene	12.15	78	249027	49.35	UG/L		97
26) 1,2-Dichloropropane	13.38	63	110296	49.43	UG/L		91
27) Bromodichloromethane	13.79	83	319389	53.73	UG/L		97
28) cis-1,3-Dichloropropene	14.64	75	161435	50.65	UG/L		94
29) trans-1,3-Dichloropropene	15.45	75	133045	53.97	UG/L		97
30) 1,1,2-Trichloroethane	15.77	97	88069	53.41	UG/L		98
31) Dibromochloromethane	16.74	129	219141	54.59	UG/L		95
32) Bromoform	19.57	173	138498	56.78	UG/L		98
35) 4-Methyl-2-Pentanone	14.21	43	37433	54.55	UG/L		98
36) Toluene	15.23	91	267047	46.84	UG/L		99
37) Tetrachloroethene	16.39	164	158931	47.91	UG/L		99
38) 2-Hexanone	15.66	43	35035	51.71	UG/L		95
39) Chlorobenzene	17.83	112	239587	47.93	UG/L		88
40) Ethylbenzene	17.87	106	97067	47.81	UG/L	#	88
41) Xylene (total)	18.80	106	116041	48.93	UG/L	#	84
42) Styrene	18.85	104	184438	48.22	UG/L		91

(#) = qualifier out of range (m) = manual integration

2/11/97

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05537.D Vial: 1
Acq On : 30 Jan 97 12:11 Operator: GLENN
Sample : VSTD050 Inst : 5970 - In
Misc : H5970-3 1/30/97 Multiplr: 1.00
Quant Time: Jan 30 12:36 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44) m/p-Xylene	17.99	106	230866	94.58 UG/L	#	82
45) 1,1,2,2-Tetrachloroethane	19.72	83	122055	53.89 UG/L		97

(#) = qualifier out of range (m) = manual integration

H2M LABS, INC.

IV. RAW QC DATA PACKAGE FOR VOLATILE ORGANICS

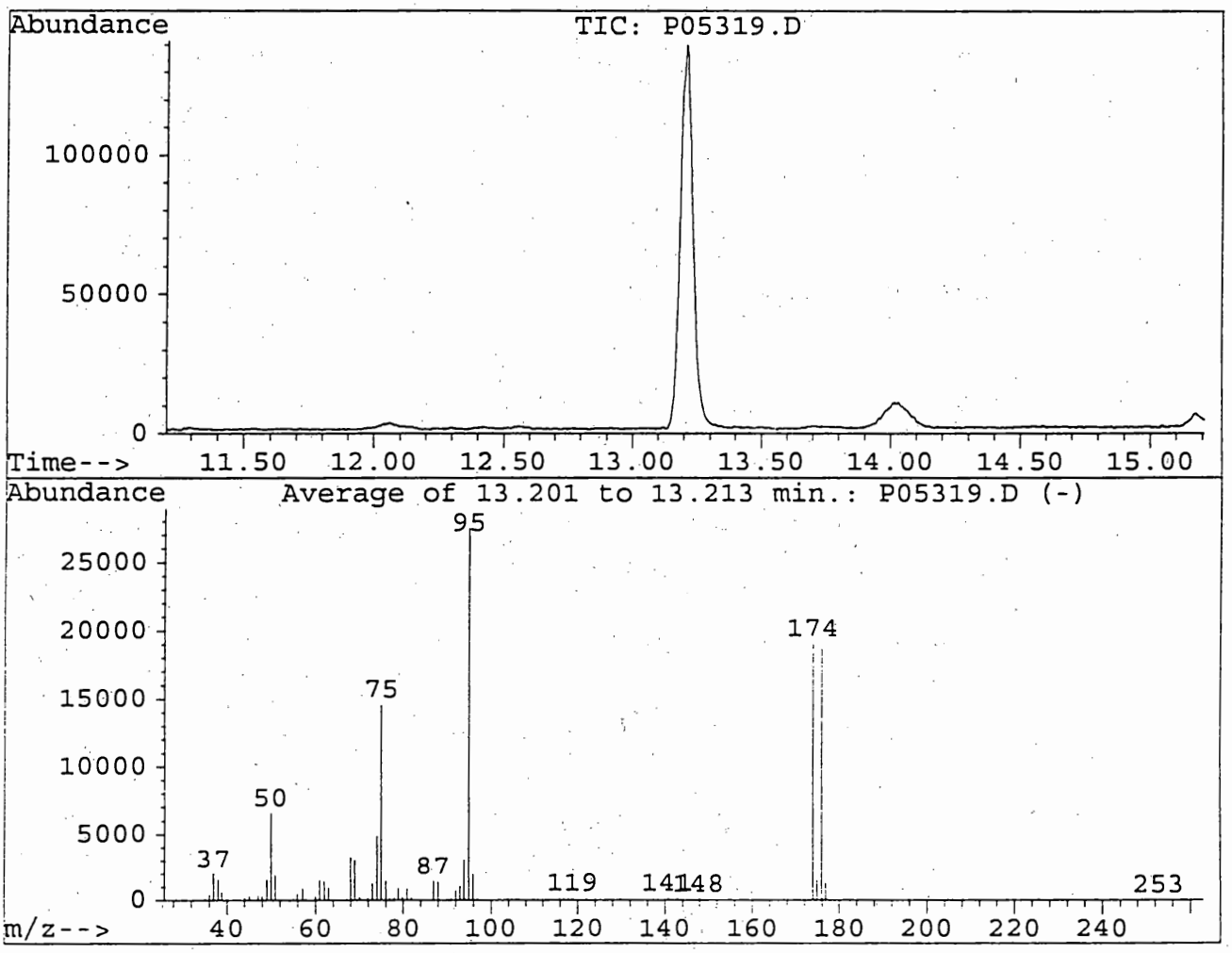
A. TUNING
B. BLANK
C. MATRIX SPIKE BLANK
D. SPIKE AND SPIKE DUPLICATE
E. COPY OF CALCULATIONS

BFB

Data File : S:\MS\HP#3\DEC96\P05319.D
Acq On : 31 Dec 96 9:05 am
Sample : 50 NG BFB
Misc : H5970-3 12/31/96

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD



Scans Used: 1604 1605 1606 Bkg: 1587

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	6589	PASS
75	95	30	60	52.9	14581	PASS
95	95	100	100	100.0	27571	PASS
96	95	5	9	7.1	1947	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	19077	PASS
175	174	5	9	8.0	1529	PASS
176	174	95	101	98.2	18739	PASS
177	176	5	9	6.9	1295	PASS

P05319.D CLPW.M Thu Feb 13 17:24:56 1997 JON

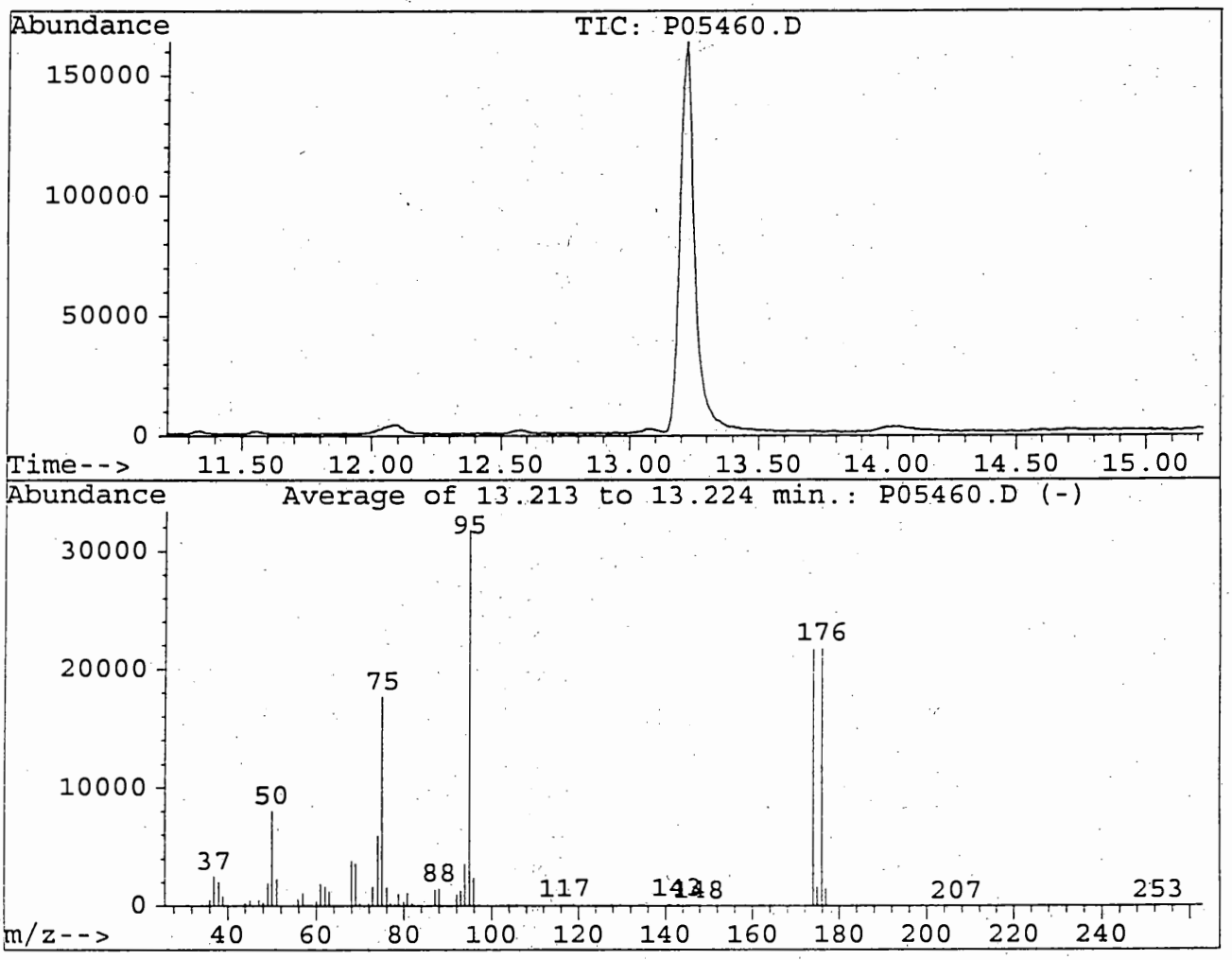
V 0225

BFB

Data File : S:\MS\HP#3\JAN97\P05460.D
Acq On : 24 Jan 97 9:11 am
Sample : 50 NG BFB
Misc : H5970-3 1/24/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD



Scans Used: 1606 1607 1608 Bkg: 1589

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	8032	PASS
75	95	30	60	55.6	17680	PASS
95	95	100	100	100.0	31819	PASS
96	95	5	9	7.6	2427	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	21723	PASS
175	174	5	9	7.4	1603	PASS
176	174	95	101	100.3	21797	PASS
177	176	5	9	6.8	1491	PASS

\ 0226

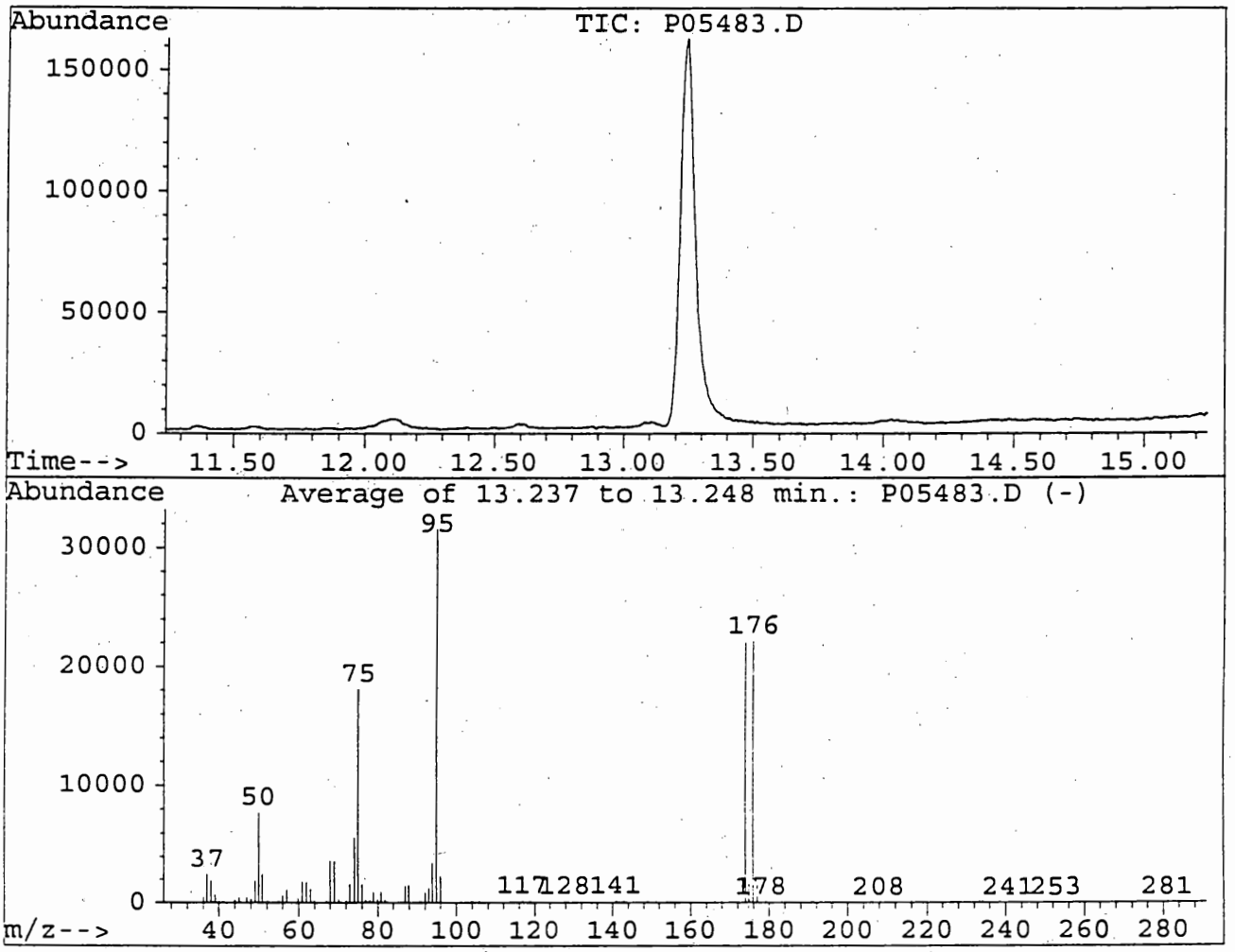
P05460.D CLPS.M Tue Feb 11 16:17:25 1997 JON

BFB

Data File : S:\MS\HP#3\JAN97\P05483.D
Acq On : 27 Jan 97 12:46 pm
Sample : 50 NG BFB
Misc : H5970-3 1/27/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD



Scans Used: 1610 1611 1612 Bkg: 1595

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	7735	PASS
75	95	30	60	57.2	18112	PASS
95	95	100	100	100.0	31675	PASS
96	95	5	9	7.2	2289	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.7	22088	PASS
175	174	5	9	7.3	1623	PASS
176	174	95	101	100.4	22176	PASS
177	176	5	9	7.2	1591	PASS

P05483.D CLPS.M Tue Feb 11 17:27:04 1997 JON

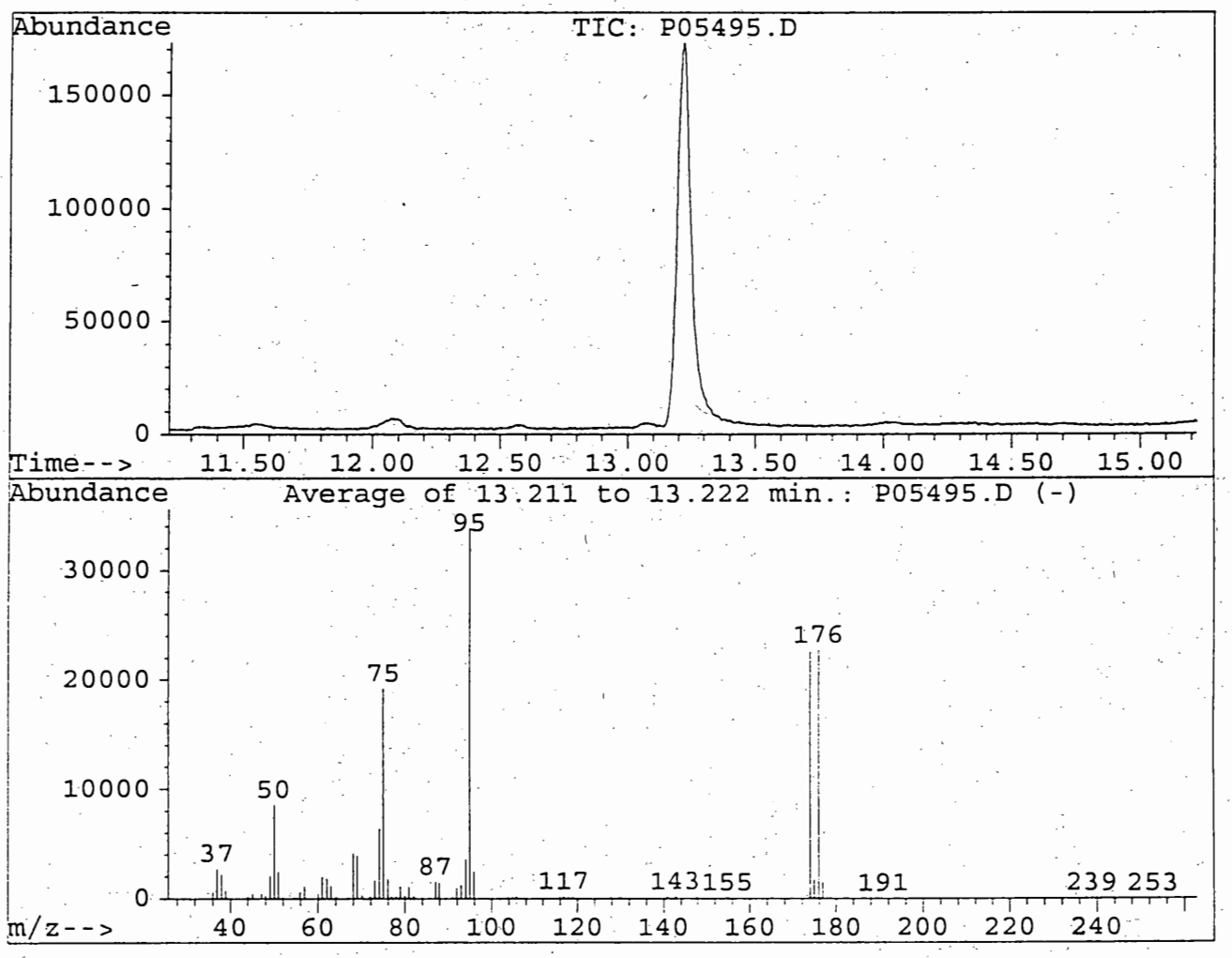
V 0227

BFB

Data File : S:\MS\HP#3\JAN97\P05495.D
Acq On : 28 Jan 97 9:31 am
Sample : 50 NG BFB
Misc : H5970-3 1/28/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD



Scans Used: 1605 1606 1607 Bkg: 1585

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.2	8561	PASS
75	95	30	60	56.7	19221	PASS
95	95	100	100	100.0	33917	PASS
96	95	5	9	7.4	2502	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.6	22587	PASS
175	174	5	9	7.5	1685	PASS
176	174	95	101	100.6	22725	PASS
177	176	5	9	6.8	1540	PASS

P05495.D CLPS.M Tue Feb 11 17:38:42 1997 JON

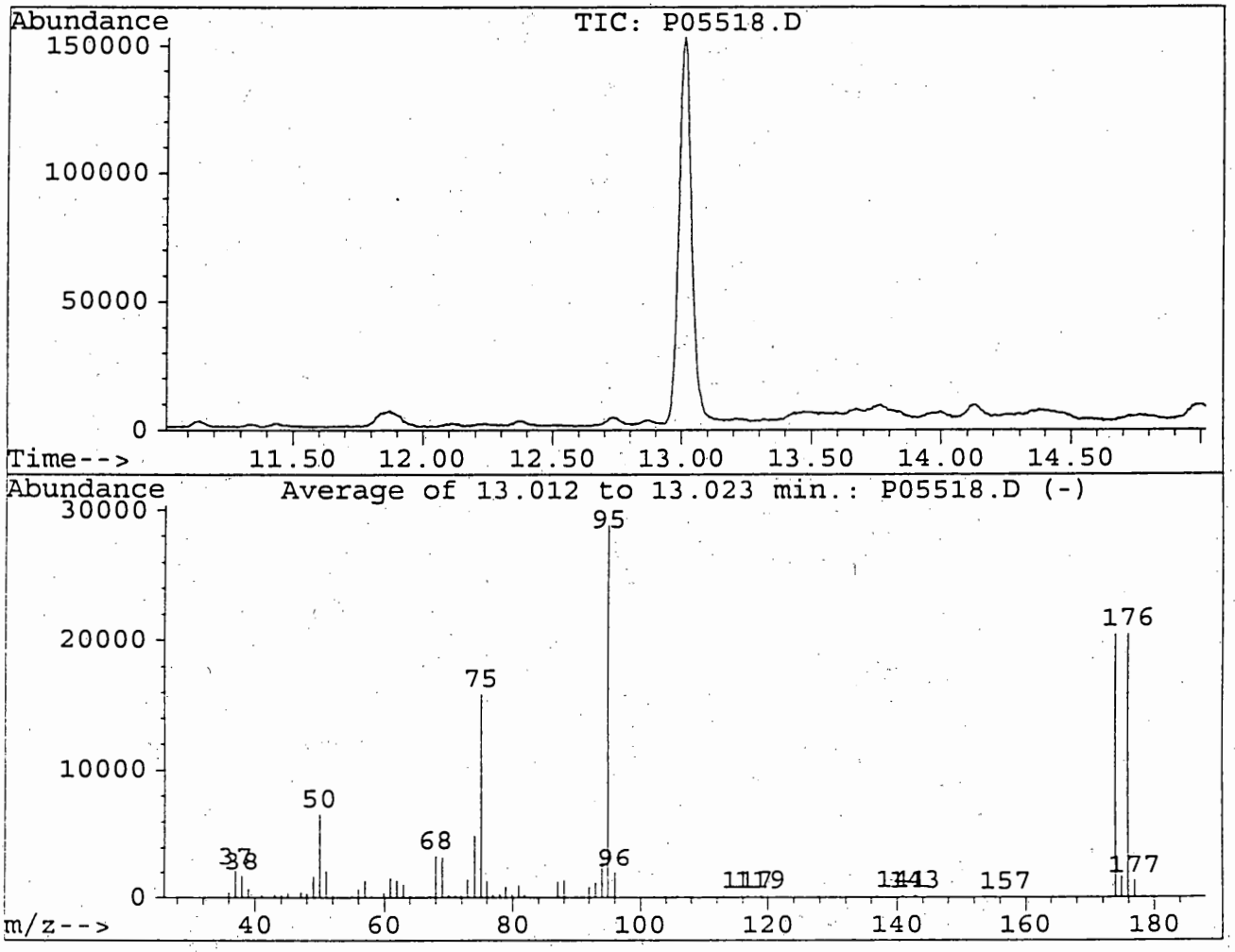
V 0228

BFB

Data File : S:\MS\HP#3\JAN97\P05518.D
Acq On : 29 Jan 97 1:06 pm
Sample : 50 NG BFB
Misc : H5970-3 1/29/97

Vial: 3
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD



Scans Used: 1571 1572 1573 Bkg: 1554

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	6587	PASS
75	95	30	60	54.8	15847	PASS
95	95	100	100	100.0	28916	PASS
96	95	5	9	6.9	1986	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	70.6	20429	PASS
175	174	5	9	8.0	1625	PASS
176	174	95	101	100.2	20461	PASS
177	176	5	9	6.6	1356	PASS

P05518.D CLPW.M Tue Feb 11 17:55:05 1997 JON

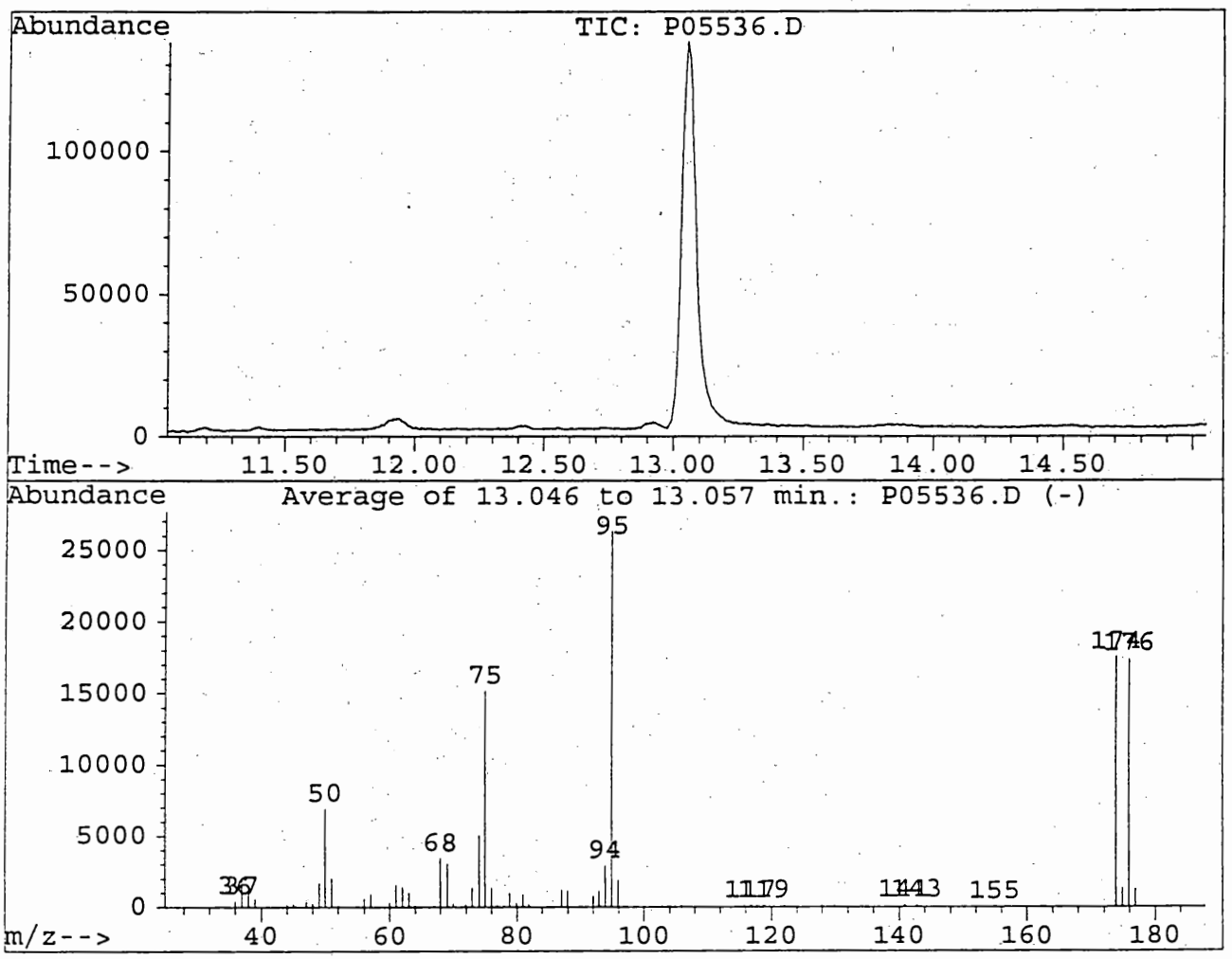
V 0229

BFB

Data File : S:\MS\HP#3\JAN97\P05536.D
Acq On : 30 Jan 97 8:57 am
Sample : 50 NG BFB
Misc : H5970-3 1/30/97

Vial: 1
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD



Scans Used: 1577 1578 1579 Bkg: 1562

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.3	6949	PASS
75	95	30	60	57.6	15207	PASS
95	95	100	100	100.0	26405	PASS
96	95	5	9	7.2	1902	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.5	17555	PASS
175	174	5	9	7.8	1377	PASS
176	174	95	101	99.3	17427	PASS
177	176	5	9	7.4	1295	PASS

P05536.D CLPW.M Tue Feb 11 18:09:54 1997 JON

V 0230

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK24

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: ~~01/23/97~~ 1/24/97 2/25/97

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK24

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK24

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05462.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. 0 Date Analyzed: 01/24/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

jmw 2/25/97

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

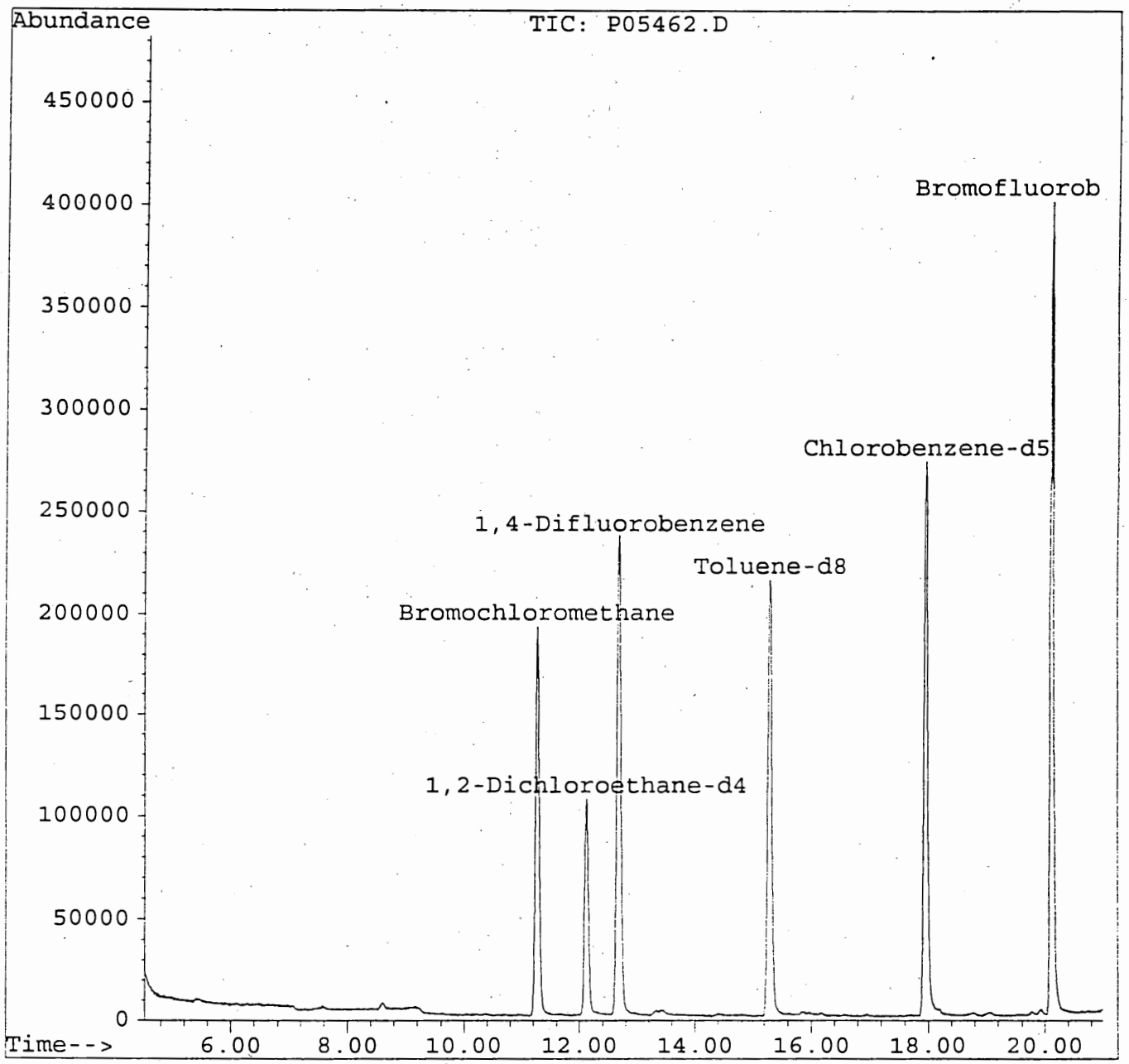
CAS NO.	COMPOUND	RT	EST. CONC.	Q

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05462.D
Acq On : 24 Jan 97 10:59 am
Sample : VBLK24
Misc : H5970-3 1/24/97 5.0G
Quant Time: Feb 11 16:21 1997

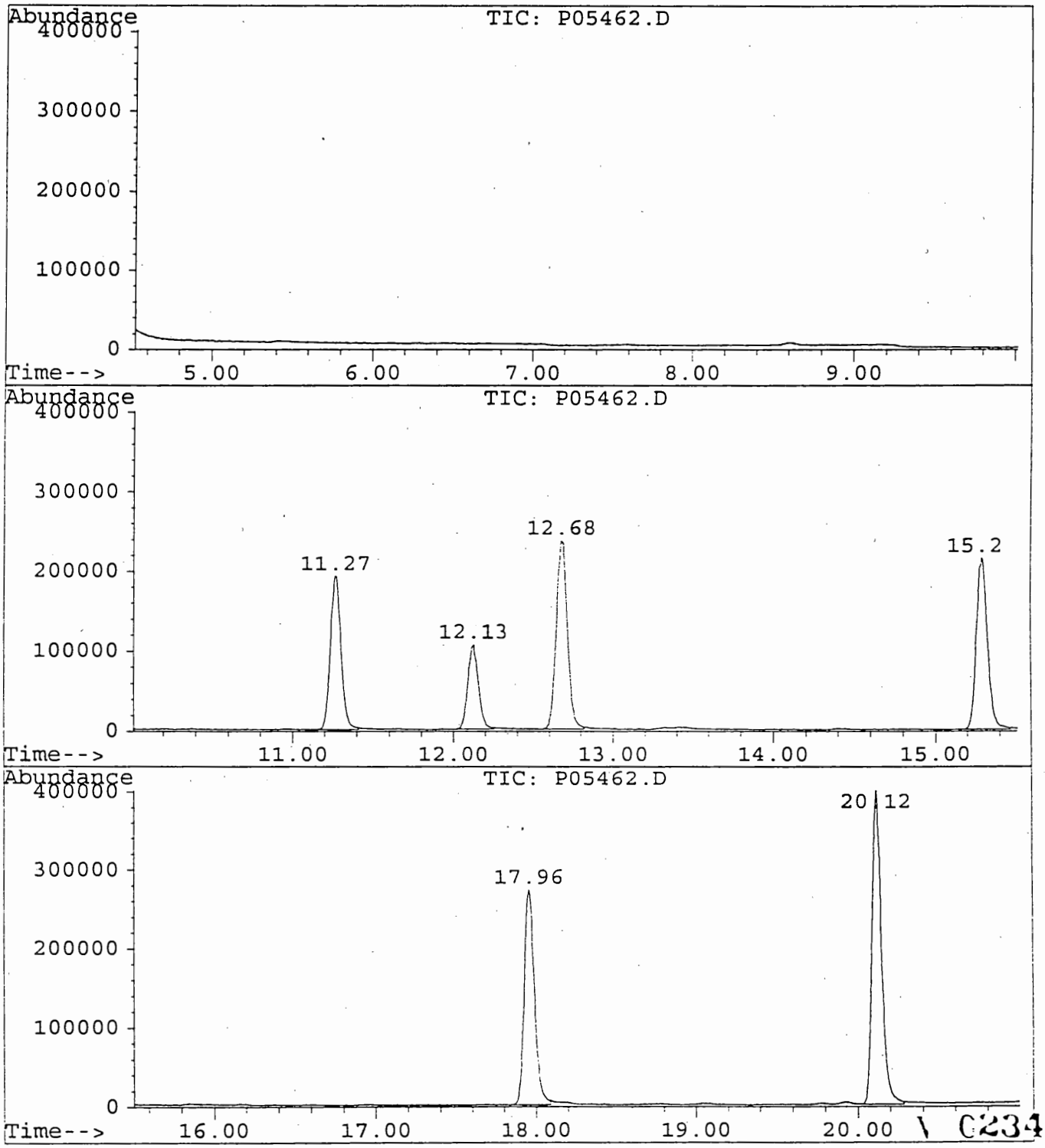
Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0233

File : S:\MS\HP#3\JAN97\P05462.D
Operator : GLENN
Acquired : 24 Jan 97 10:59 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: VBLK24
Misc Info : H5970-3 1/24/97 5.0G
Vial Number: 2



Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05462.D Vial: 2
Acq On : 24 Jan 97 10:59 Operator: GLENN
Sample : VBLK24 Inst : 5970 - In
Misc : H5970-3 1/24/97 5.0G Multiplr: 1.00
Quant Time: Feb 11 16:21 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Fri Jan 24 10:47:18 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05461.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.27	128	115408	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.69	114	419490	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.96	117	342222	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.13	65	181926	52.31	UG/L	104.62%
34) Toluene-d8	15.29	98	347827	49.02	UG/L	98.03%
43) Bromofluorobenzene	20.12	95	321428	49.59	UG/L	99.18%
Target Compounds						**Qvalue**

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05462.D
Acq On : 24 Jan 97 10:59
Sample : VBLK24
Misc : H5970-3 1/24/97 5.0G

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK27

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK27

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05485.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. 0 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

g mi H2M 2/25/97

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	3	J
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

V 0237

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK27

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) SOIL Lab Sample ID: VBLK27

Sample wt/vol: 5.0 (g/ml) G Lab File ID: P05485.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. 0 Date Analyzed: 01/27/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume 1 (uL) Soil Aliquot Volume: 1 (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

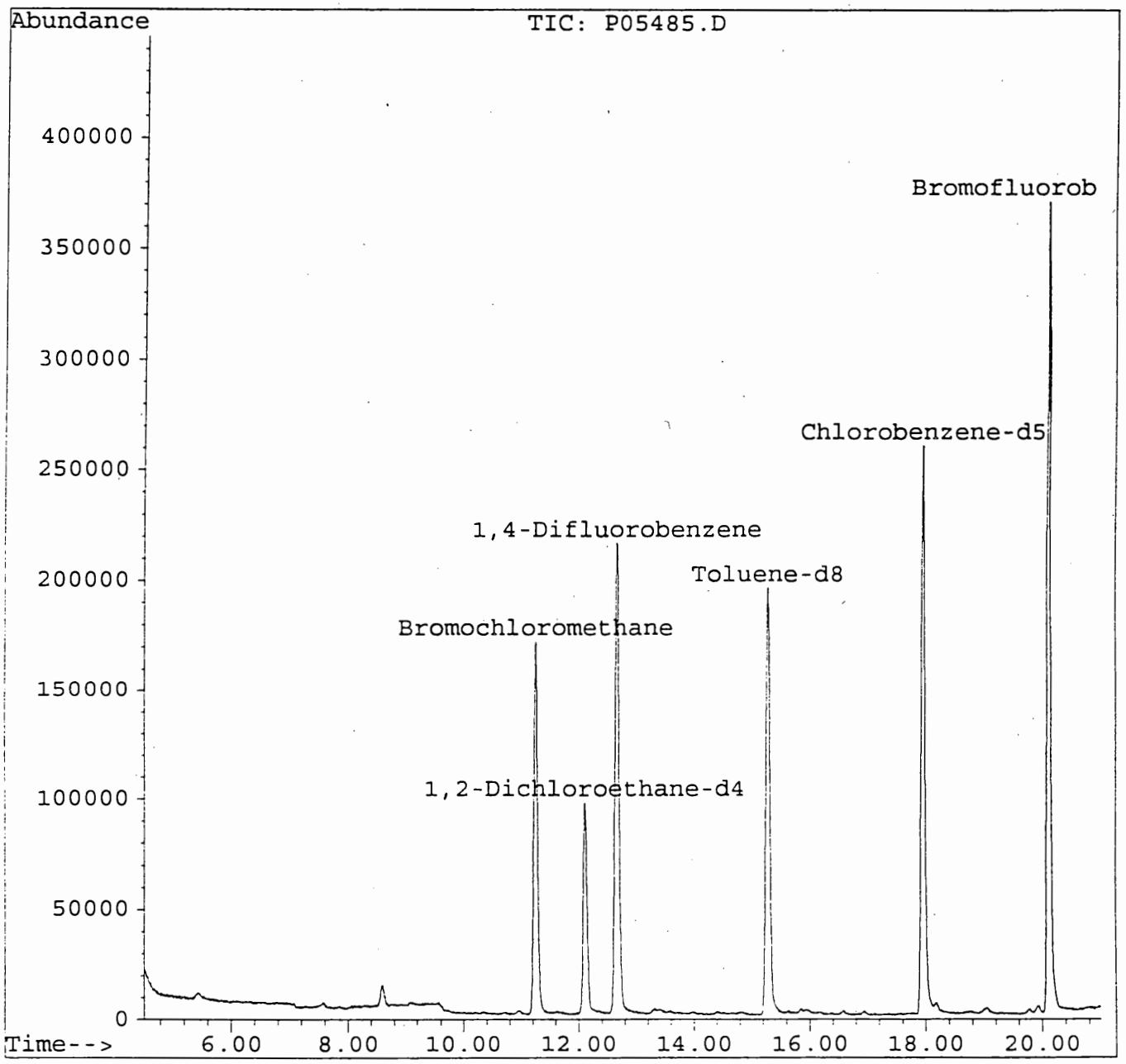
V 0238

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05485.D
Acq On : 27 Jan 97 4:00 pm
Sample : VBLK27
Misc : H5970-3 1/27/97 5.0G
Quant Time: Feb 11 17:32 1997

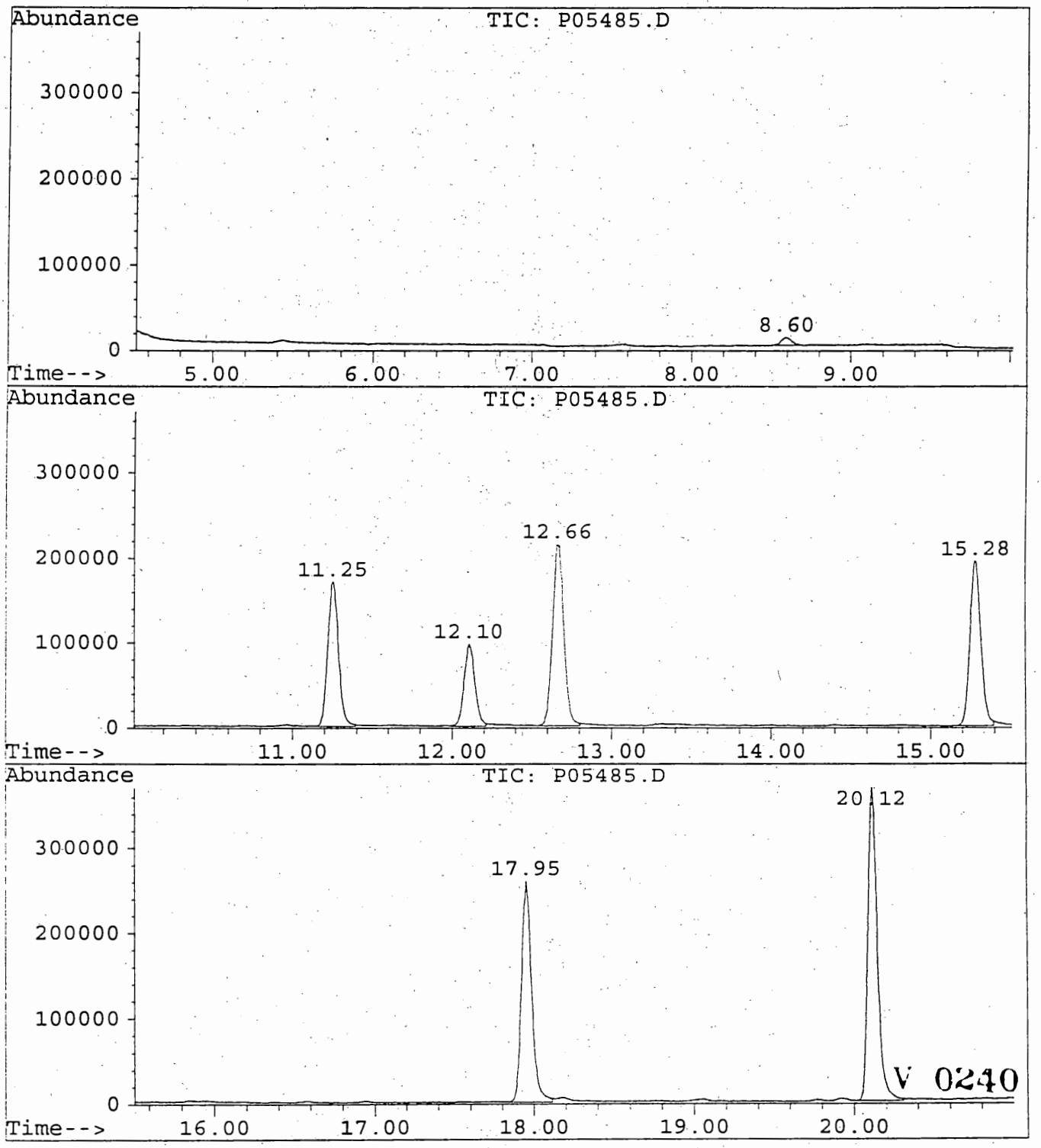
Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 15 13:53:47 1997
Response via : Single Level Calibration



V 0239

File : S:\MS\HP#3\JAN97\P05485.D
Operator : GLENN
Acquired : 27 Jan 97 16:00 using AcqMethod CLPS
Instrument : 5970 - In
Sample Name: VBLK27
Misc Info : H5970-3 1/27/97 5.0G
Vial Number: 2



V 0240

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05485.D Vial: 2
Acq On : 27 Jan 97 16:00 Operator: GLENN
Sample : VBLK27 Inst : 5970 - In
Misc : H5970-3 1/27/97 5.0G Multiplr: 1.00
Quant Time: Feb 11 17:32 1997

Method : C:\HPCHEM\1\METHODS\CLPS.M
Title : VOA CLP WATER METHOD
Last Update : Mon Jan 27 15:49:29 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05484.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.26	128	101911	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.66	114	382720	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.95	117	316692	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	12.10	65	167620	53.26	UG/L	106.53%
34) Toluene-d8	15.29	98	313901	48.24	UG/L	96.48%
43) Bromofluorobenzene	20.12	95	298652	49.11	UG/L	98.22%
Target Compounds						**Qvalue**
8) Acetone	7.57	43	6158	5.31	UG/L	92
9) Methylene Chloride	8.60	84	10084	2.89	UG/L	89

\ 0241

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

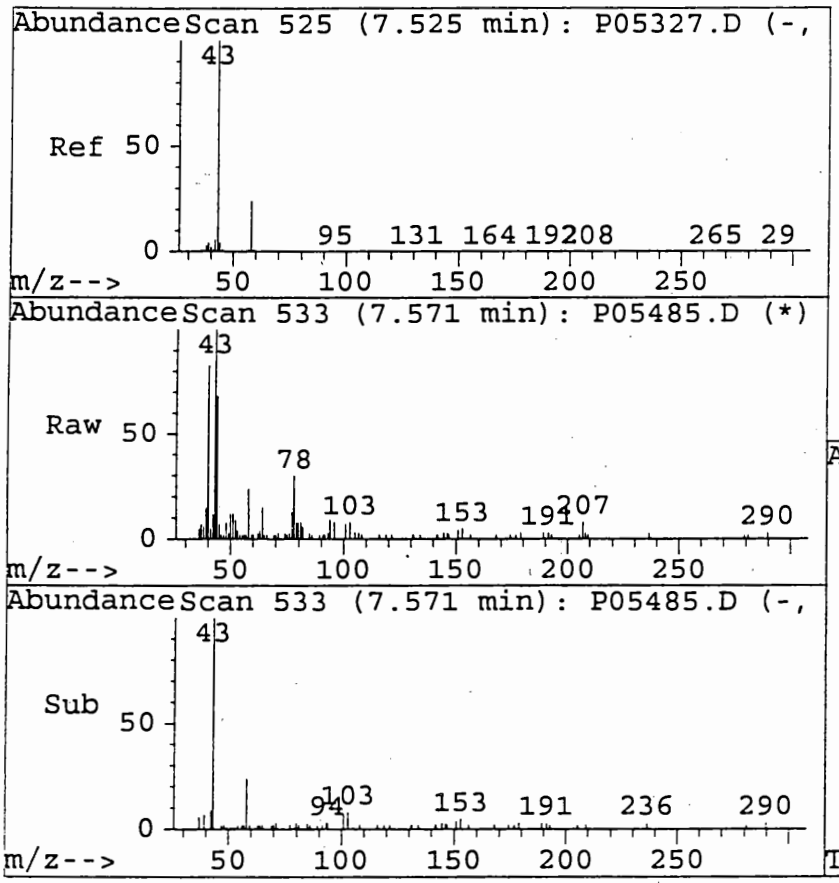
Data File : S:\MS\HP#3\JAN97\P05485.D
Acq On : 27 Jan 97 16:00
Sample : VBLK27
Misc : H5970-3 1/27/97 5.0G

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPS.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

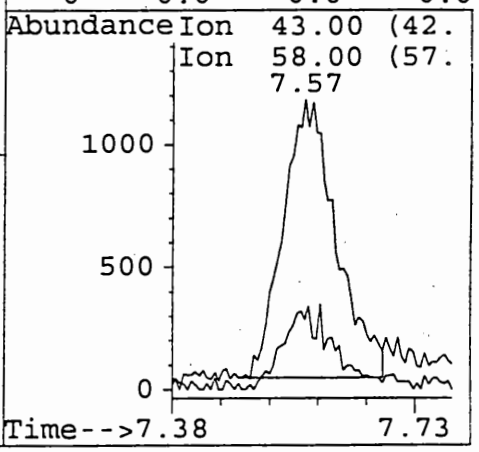
\ 0242

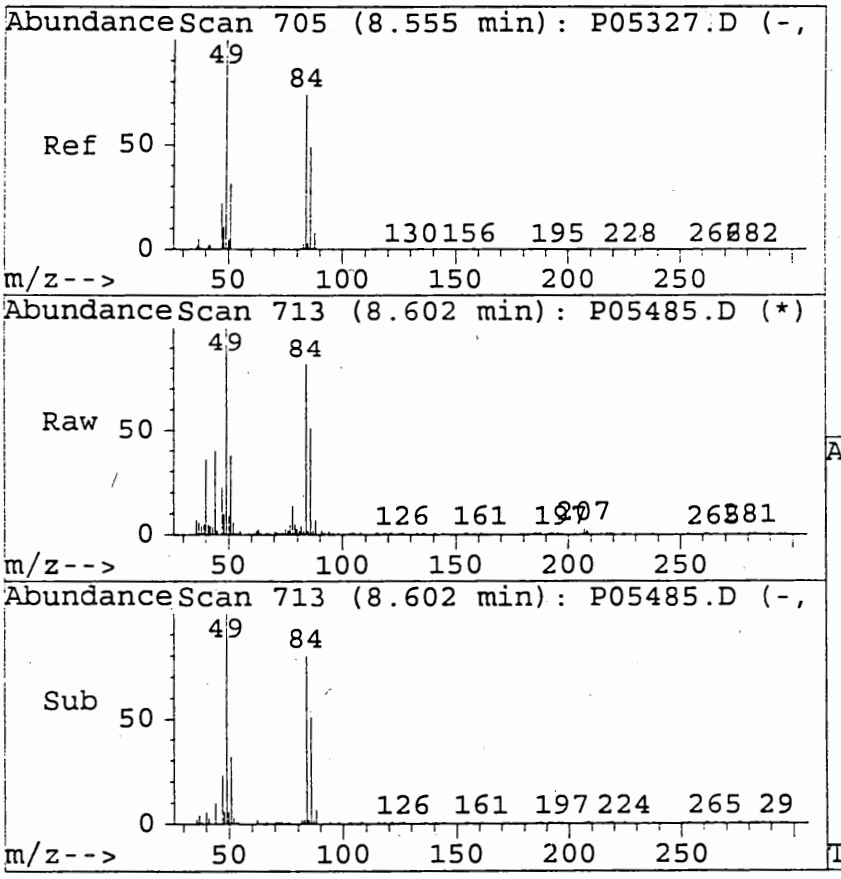


#8
Acetone
Concen: 5.31 UG/L
RT: 7.57 min Scan# 533
Delta R.T. -0.00 min
Lab File: P05485.D
Acq: 27 Jan 97 4:00 pm

Tgt Ion:43 Resp: 6158

Ion	Ratio	Lower	Upper
43	100		
58	25.3	9.7	49.7
0	0.0	0.0	0.0
0	0.0	0.0	0.0

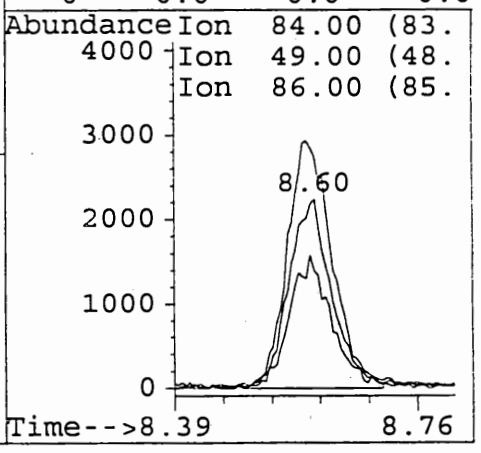




#9
Methylene Chloride
Concen: 2.89 UG/L
RT: 8.60 min Scan# 713
Delta R.T. 0.01 min
Lab File: P05485.D
Acq: 27 Jan 97 4:00 pm

Tgt Ion:84 Resp: 10084

Ion	Ratio	Lower	Upper
84	100		
49	119.4	113.6	153.6
86	61.5	48.1	88.1
0	0.0	0.0	0.0



Sample Name: VBLK27
Misc. Info: H5970-3 1/27/97 5.0G
P05485.D CLPS.M Wed Feb 12 15:53:07 1997 JON

V 0243

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK28

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK28

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05499.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

jmm H2M 2/25/97

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

C244

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK28

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK28

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05499.D

Level: (low/med) LOW Date Received: ~~01/23/97~~

% Moisture: not dec. _____ Date Analyzed: 01/28/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

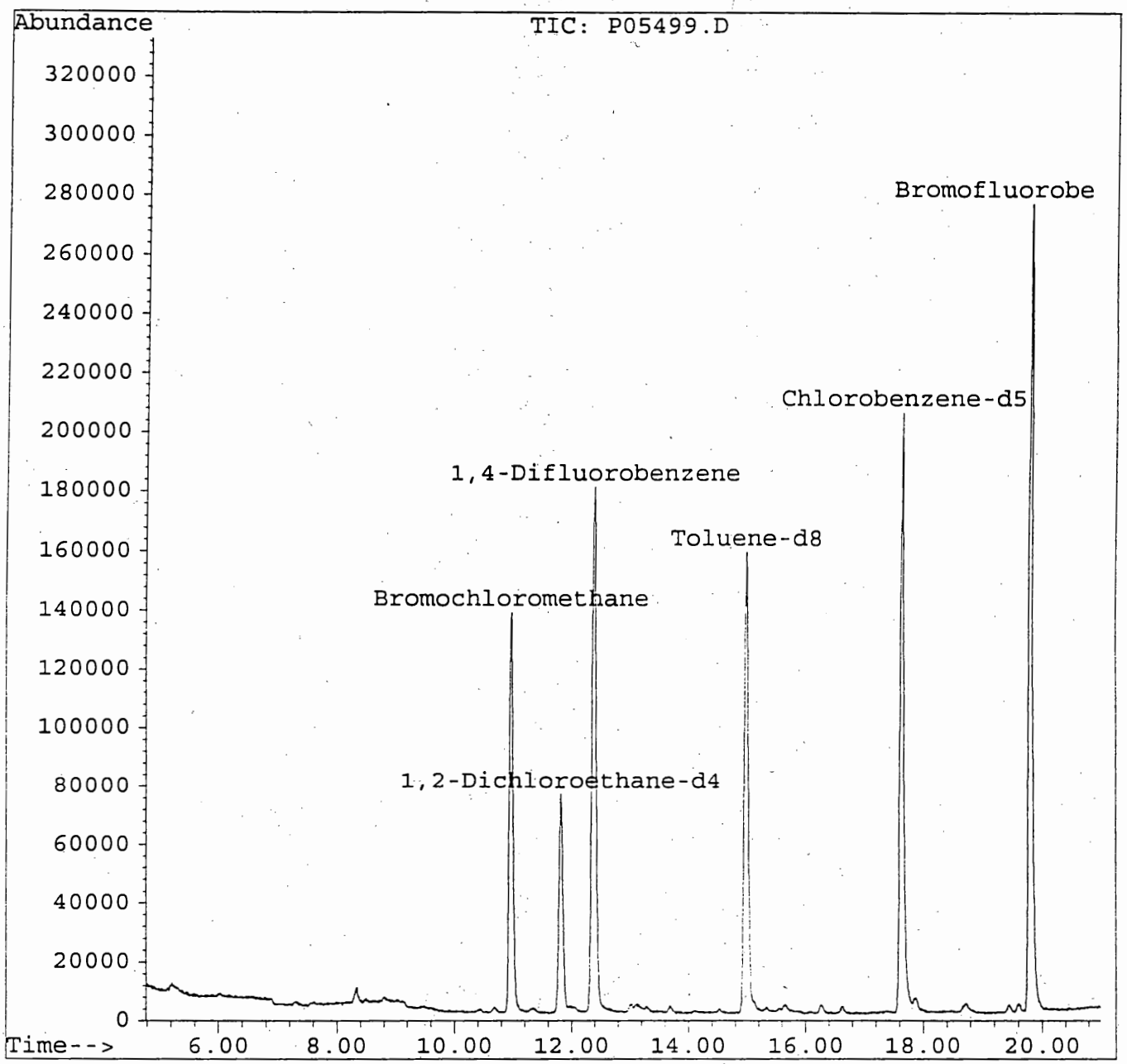
V 0245

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05499.D
Acq On : 28 Jan 97 1:02 pm
Sample : VBLK28
Misc : H5970-3 1/28/97 5.0ML
Quant Time: Feb 10 14:41 1997

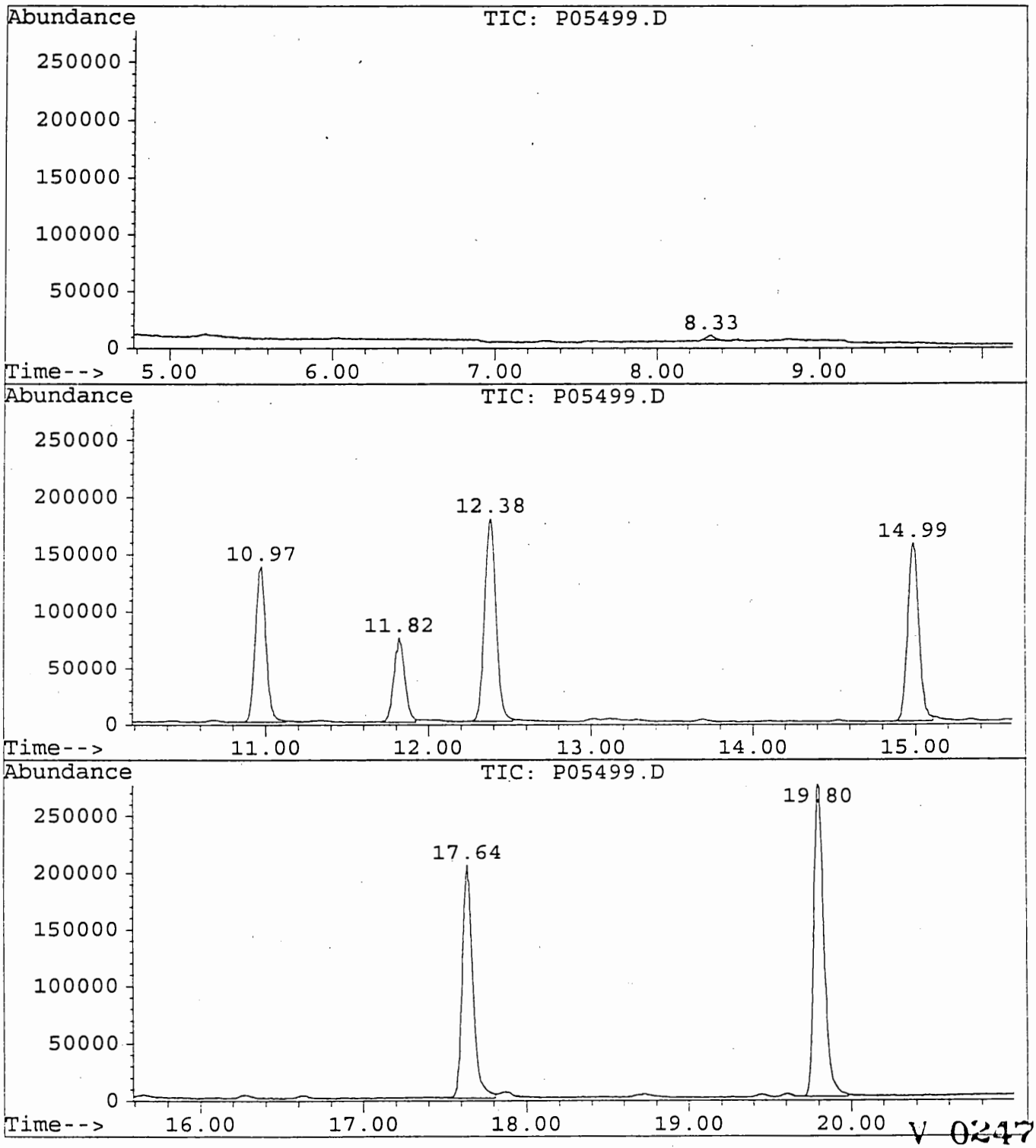
Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0246

File : S:\MS\HP#3\JAN97\P05499.D
Operator : GLENN
Acquired : 28 Jan 97 13:02 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: VBLK28
Misc Info : H5970-3 1/28/97 5.0ML
Vial Number: 4



V 0247

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05499.D Vial: 4
Acq On : 28 Jan 97 13:02 Operator: GLENN
Sample : VBLK28 Inst : 5970 - In
Misc : H5970-3 1/28/97 5.0ML Multiplr: 1.00
Quant Time: Feb 10 14:41 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Tue Jan 28 12:53:08 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05498.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	10.97	128	81220	50.00	UG/L	0.02
21) 1,4-Difluorobenzene	12.38	114	314671	50.00	UG/L	0.02
33) Chlorobenzene-d5	17.64	117	248528	50.00	UG/L	0.01
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	11.82	65	128361	51.98	UG/L	103.96%
34) Toluene-d8	14.99	98	253350	50.93	UG/L	101.86%
43) Bromofluorobenzene	19.80	95	240599	50.31	UG/L	100.61%
Target Compounds						Qvalue
9) Methylene Chloride	8.32	84	5179	1.80	UG/L	89

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

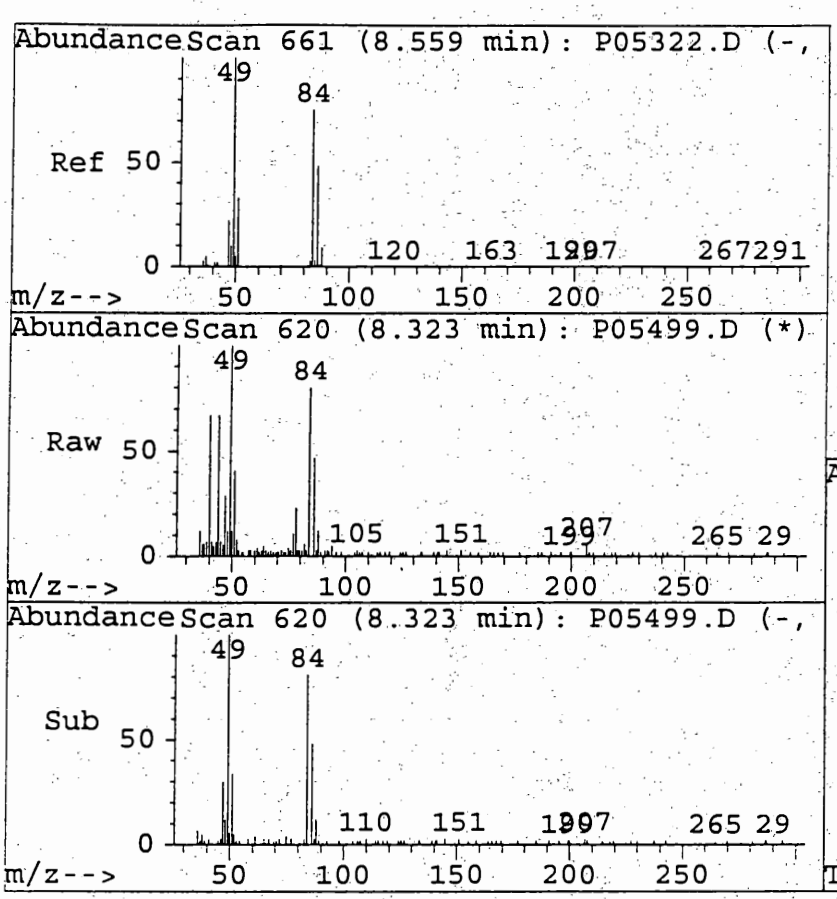
Data File : S:\MS\HP#3\JAN97\P05499.D
Acq On : 28 Jan 97 13:02
Sample : VBLK28
Misc : H5970-3 1/28/97 5.0ML

Vial: 4
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

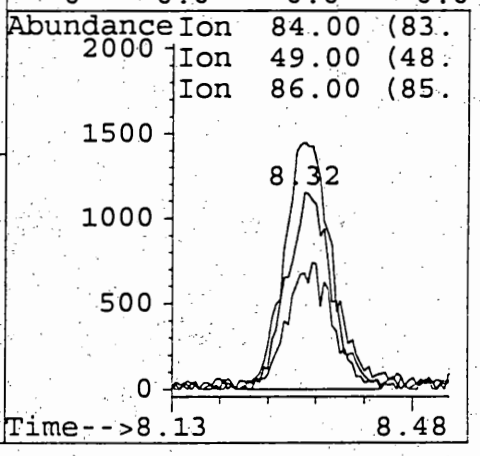
V 0249



#9
Methylene Chloride
Concen: 1.80 UG/L
RT: 8.32 min Scan# 620
Delta R.T. -0.00 min
Lab File: P05499.D
Acq: 28 Jan 97 1:02 pm

Tgt Ion:84 Resp: 5179

Ion	Ratio	Lower	Upper
84	100		
49	121.1	113.6	153.6
86	59.1	48.1	88.1
0	0.0	0.0	0.0



Sample Name: VBLK28
Misc. Info: H5970-3 1/28/97 5.0ML
P05499.D CLPW.M Wed Feb 12 15:57:11 1997 JON

V 0250

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK29

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05520.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK29

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK29

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05520.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/29/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

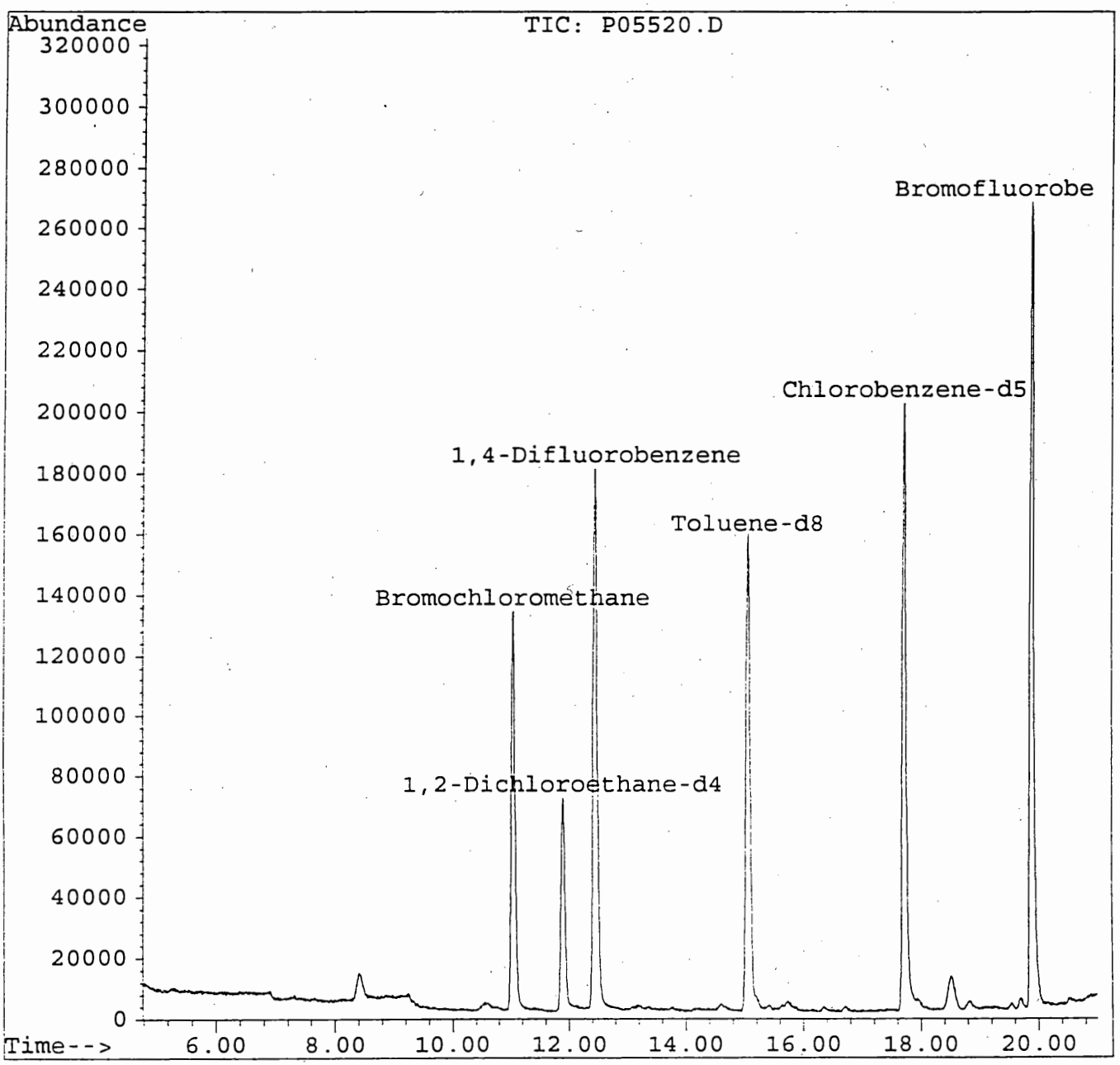
V 0252

Quantitation Report

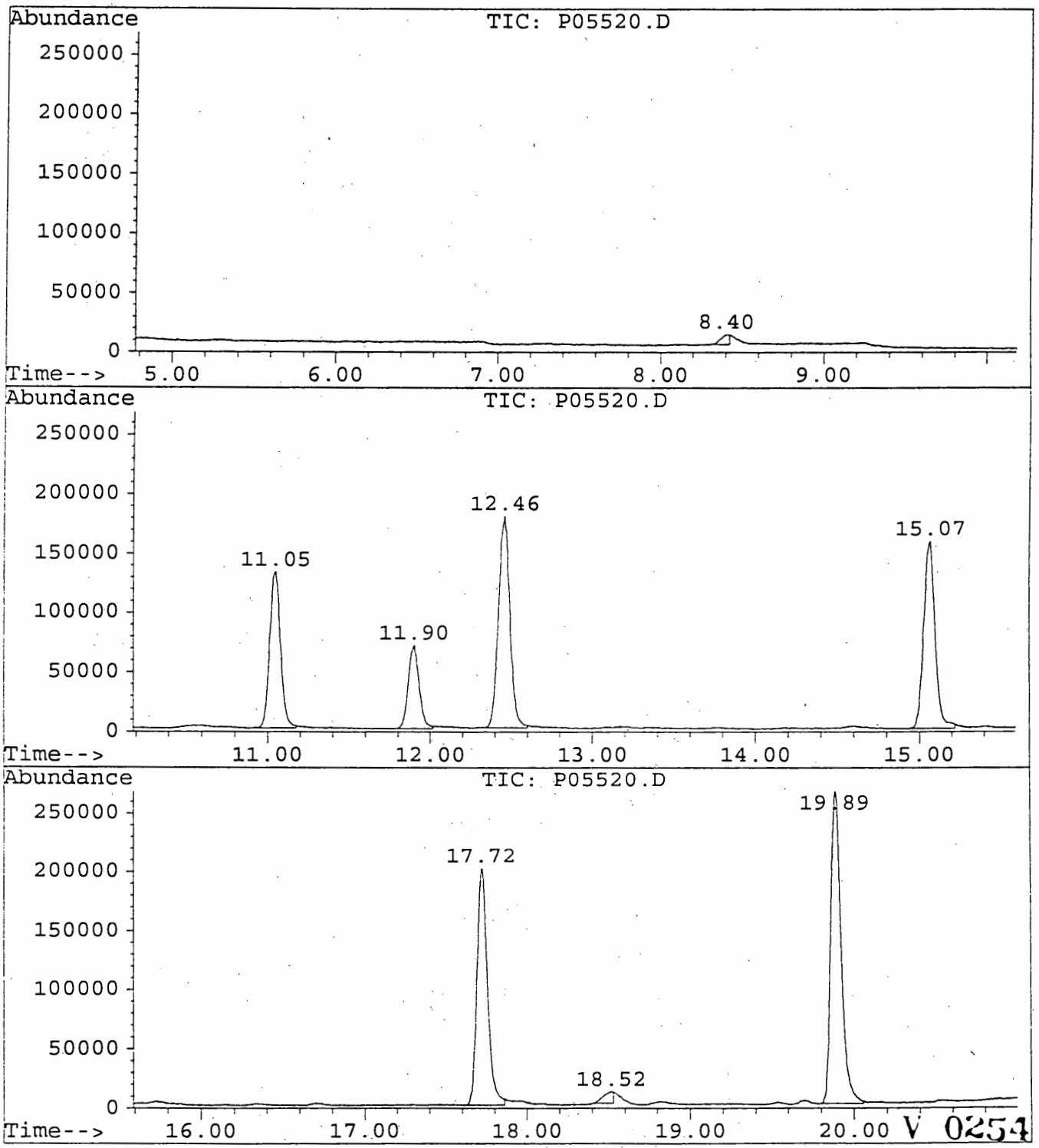
Data File : S:\MS\HP#3\JAN97\P05520.D
Acq On : 29 Jan 97 2:36 pm
Sample : VBLK29
Misc : H5970-3 1/29/97 5.0ML
Quant Time: Feb 10 14:55 1997

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



File : S:\MS\HP#3\JAN97\P05520.D
Operator : GLENN
Acquired : 29 Jan 97 14:36 using AcqMethod CLPW
Instrument : 5970 - In
Sample Name: VBLK29
Misc Info : H5970-3 1/29/97 5.0ML
Vial Number: 2



V 0254

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05520.D Vial: 2
Acq On : 29 Jan 97 14:36 Operator: GLENN
Sample : VBLK29 Inst : 5970 - In
Misc : H5970-3 1/29/97 5.0ML Multiplr: 1.00
Quant Time: Feb 10 14:55 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Wed Jan 29 14:26:15 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05519.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.05	128	80883	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.46	114	321665	50.00	UG/L	-0.01
33) Chlorobenzene-d5	17.72	117	254883	50.00	UG/L	0.00
System Monitoring Compounds						**%Recovery**
18) 1,2-Dichloroethane-d4	11.90	65	121099	53.16	UG/L	106.32%
34) Toluene-d8	15.06	98	257208	48.69	UG/L	97.38%
43) Bromofluorobenzene	19.89	95	236940	49.95	UG/L	99.90%
Target Compounds						**Qvalue**

(#) = qualifier out of range (m) = manual integration

Library Search Compound Report

Data File : S:\MS\HP#3\JAN97\P05520.D
Acq On : 29 Jan 97 14:36
Sample : VBLK29
Misc : H5970-3 1/29/97 5.0ML

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Library : NBS75K.L

No Library Search Compounds Detected

V 0256

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK30

Lab Name: H2M LABS INC. Contract:

Lab Code: Case No.: RA096 SAS No.: SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05538.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-4	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
71-43-2	Benzene	10	U
124-48-1	Dibromochloromethane	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK30

Lab Name: H2M LABS INC. Contract: _____

Lab Code: _____ Case No.: RA096 SAS No.: _____ SDG No.: NDEC012

Matrix: (soil/water) WATER Lab Sample ID: VBLK30

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P05538.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 01/30/97

GC Column: RTX502. ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

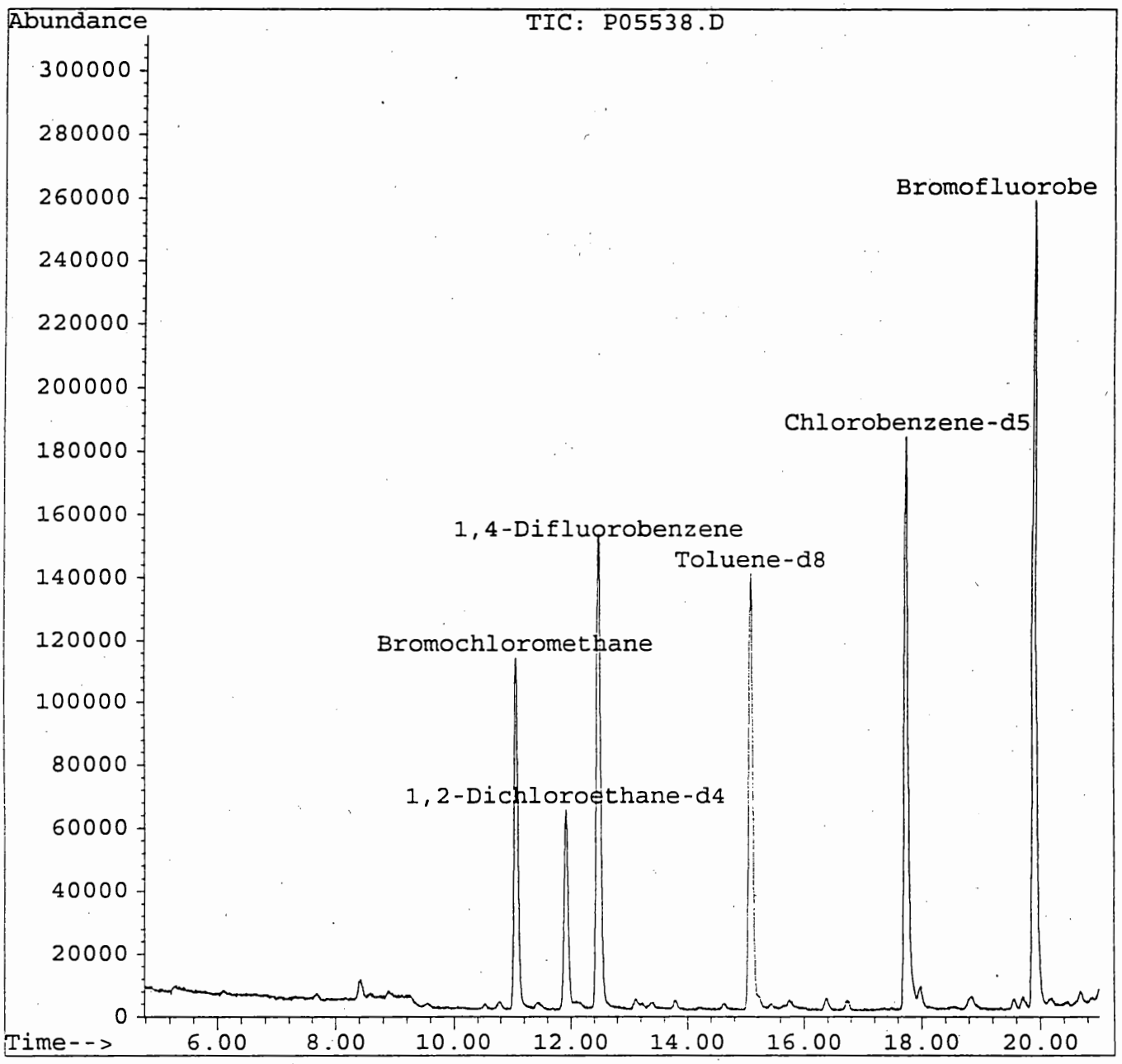
0258

Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05538.D
Acq On : 30 Jan 97 12:54 pm
Sample : VBLK30
Misc : H5970-3 1/30/97 5.0ML
Quant Time: Feb 11 18:13 1997

Vial: 2
Operator: GLENN
Inst : 5970 - In
Multiplr: 1.00

Method : S:\MS\HP#3\JAN97\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 16 09:32:21 1997
Response via : Single Level Calibration



V 0259

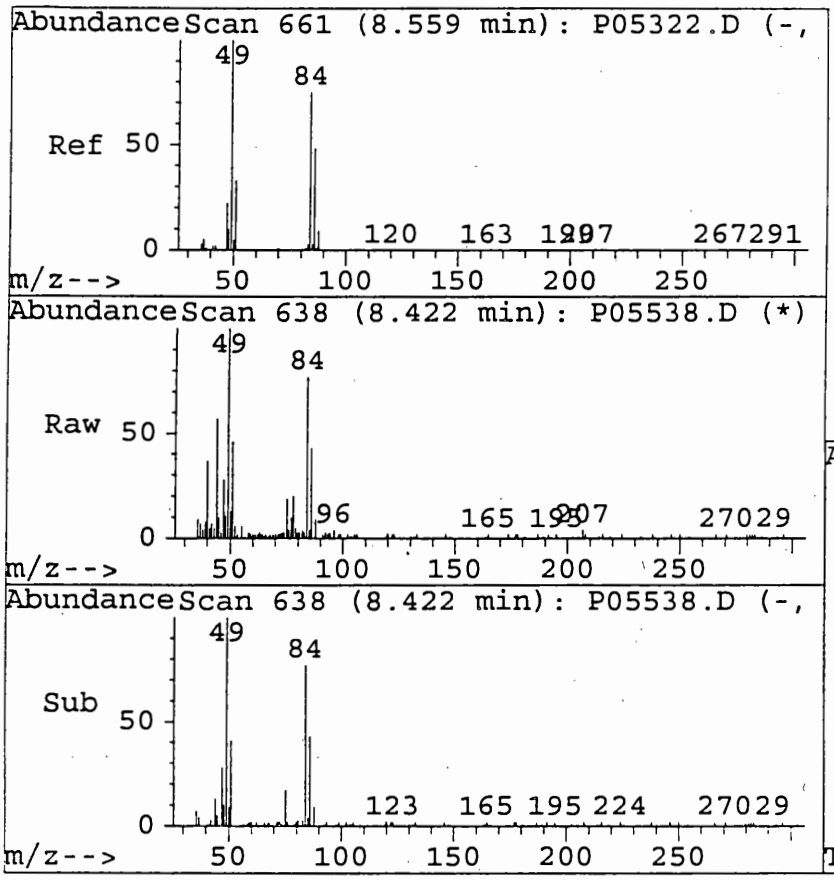
Quantitation Report

Data File : S:\MS\HP#3\JAN97\P05538.D Vial: 2
Acq On : 30 Jan 97 12:54 Operator: GLENN
Sample : VBLK30 Inst : 5970 - In
Misc : H5970-3 1/30/97 5.0ML Multiplr: 1.00
Quant Time: Feb 11 18:13 1997

Method : C:\HPCHEM\1\METHODS\CLPW.M
Title : VOA CLP WATER METHOD
Last Update : Thu Jan 30 12:38:50 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\P05537.D

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	11.07	128	68310	50.00	UG/L	0.00
21) 1,4-Difluorobenzene	12.49	114	268160	50.00	UG/L	0.00
33) Chlorobenzene-d5	17.75	117	224941	50.00	UG/L	-0.01
System Monitoring Compounds						%Recovery
18) 1,2-Dichloroethane-d4	11.92	65	110046	50.35	UG/L	100.70%
34) Toluene-d8	15.09	98	223765	49.18	UG/L	98.36%
43) Bromofluorobenzene	19.91	95	222860	50.27	UG/L	100.55%
Target Compounds						Qvalue
9) Methylene Chloride	8.42	84	6094	2.46	UG/L	90

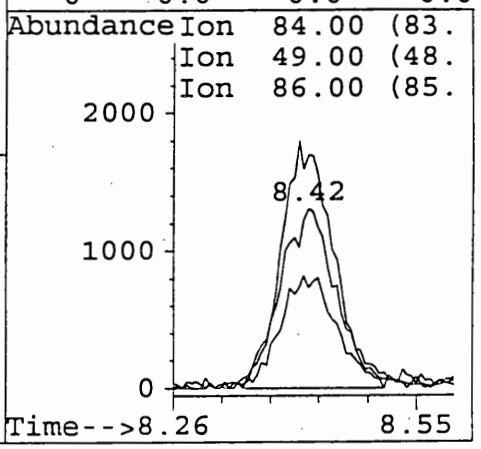
(#) = qualifier out of range (m) = manual integration



#9
Methylene Chloride
Concen: 2.46 UG/L
RT: 8.42 min Scan# 638
Delta R.T. -0.02 min
Lab File: P05538.D
Acq: 30 Jan 97 12:54 pm

Tgt Ion:84 Resp: 6094

Ion	Ratio	Lower	Upper
84	100		
49	124.2	113.6	153.6
86	55.8	48.1	88.1
0	0.0	0.0	0.0



Sample Name: VBLK30
Misc. Info: H5970-3 1/30/97 5.0ML
P05538.D CLPW.M Fri Feb 14 16:42:53 1997 JON

\ 0261

H2M LABS, INC.

COMPUTATIONS FOR VOLATILE ORGANICS
PERFORMED BY RTE DATA SYSTEM OF HP

$$CONC = \frac{\frac{Ax}{Ais \times RRF}}{\frac{Is}{W}}$$

WHERE:

CONC = Concentration in sample (ug/L or ug/KG)

Ax = Area of characteristic ion of compound

Ais = Area of charhacteristic ion of internal standard

RRF = Relative response factor as area per (ng) of compound, divided by area per ng of respective internal standard

Is = Amount of internal standard injected (ng)

W = Volume of sample in (ml) or dry weight (g)

Generally the amount of each internal standard injected is 250 ng.

H2M LABS, INC.

V. DOCUMENTATION FOR VOLATILE ORGANICS

A. LOG BOOK PAGES
B. REPORTING ANALYST SIGNATURE PAGE

H2M LABS, INC.

VOLATILE

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

SCAN: VOA INSTRUMENT: HP5970-3 COLUMN: RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
12/26/96	P05317		9636749	5.0g		1	1523	JJBochnech
"	P05318		9636749DL	0.8g		2	1618	"
12/31/96	P05319	50ng BFB		5.0ml		1	0905	JJBochnech
	P05320	VSTD010				3	1043	
	P05321	VSTD020 *				4	1119	
	P05322	VSTD050 *			CLPW.M	5	1150	
	P05323	VSTD100 *				6	1221	
	P05324	VSTD200 *				7	1252	
	P05325	VSTD010 *				9	1323	
	P05326	VSTD020 *				10	1354	
	P05327	VSTD050 *			CLPS.M	11	1425	
	P05328	VSTD100 *				12	1456	
	P05329	VSTD200 *				13	1527	
	P05330	VSTD010 *			CLPW.M	14	1642	Backed 1/2/97
1/2/97	P05331	50ng BFB		5.0ml		8	1036	JJBochnech
	P05332	VSTD050		"	CLPS.M	8	1153	
	P05333	VBLK2		5.0g		9	1306	
	P05334	VHBLK2				10	1402	
	P05335	EP-1	9637060			11	1433	
	P05336	MSB2				12	1506	
	P05337	EP-1MS	9637060MS			13	1550	
	P05338	EP-1MSD	9637060MSD			14	1621	

VOLATILE

M.S.		
QC Check		

SCAN: VOA INSTRUMENT: HP5970-3 COLUMN: RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS	TIME INJ.	ANALYSTS SIGNATURE
1/22/97	P05449	MW-218S	9701773	5.0 ml	10	1444	JBoccuzzi
	P05450	MW-218S MS	9701773 MS		11	1514	
	P05451	MW-218S MSD	9701773 MSD		12	1544	
	P05452	MW-218A	9701774		13	1614	
	P05453	Field Blank	9701775		14	1643	
	P05454	MW-208S	9701814		15	1713	
	P05455	MW-208D	9701815		16	1743	
	P05456	MW-210D	9701816		1	1813	
	P05457	MW-202S	9701817		2	1842	
	P05458	Trip Blank	9701819		3	1912	
↓	P05459		9701627	↓	4	1942	↓
1/24/97	P05460 ✓	50ng BFB ✓		1ul	Direct	0911	JBoccuzzi
	P05461 ✓	VSTD050 ✓		5.0ml	1	1019	
	P05462 ✓	VBLK24 ✓		5.0g	2	1059	
	P05463	MSB24			3	1130	
	P05464	B60201	9702015		4	1207	
	P05465	B60201 MS	9702015 MS		5	1238	
	P05466	B60201 MSD	9702015 MSD		6	1309	
	P05467	B60202	9702016		7	1340	
	P05468	B60203	9702017		8	1410	
	P05469	B60204	9702018		9	1441	
↓	P05470	B60205	9702019	↓	10	1512	↓

H2M LABS, INC.

Surr.		
I.S.		
M.S.		
QC Check		

VOLATILE

SCAN: VOA **INSTRUMENT:** HS970-3 **COLUMN:** RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
1/24/97	P05471	B60206	9702020	5.0g		11	1543	JJBuchicchio
	P05472	B60207	9702021			12	1614	
	P05473	B60208	9702022			13	1645	
	P05474	B60209	9702023			14	1716	
	P05475	B60210	9702024			15	1747	
	P05476 ✓	B60211	9702025		Rec 2.0g	16	1818	
	P05477 ✓	B60212	9702026			1	1849	
	P05478 ✓	B60213	9702027			2	1920	
	P05479 ✓	B60215	9702029		Rec 2.0g	3	1950	
	P05480 ✓	B60216	9702030			4	2021	
	P05481 ✓	B60217	9702031			5	2052	
↓	P05482		9701628	↓	Rec 1.0g	6	2123	↓
1/27/97	P05483 ✓	50ng BFB		1ul	Direct		1246	JJBuchicchio
	P05484 ✓	VSTD050		5.0ml		1	1521	
	P05485 ✓	VBLK27		5.0g		2	1600	
	P05486 ✓	B60211DL	9702025DL	2.0g		3	1644	
	P05487 ✓	B60215DL	9702029DL	2.0g		4	1715	
	P05488 ✓	B60218	9702032	5.0g		5	1746	
	P05489	B60231	9702300			6	1817	
	P05490	B60232	9702301			7	1847	
	P05491	B60233	9702302			8	1918	
↓	P05492	B60234	9702303	↓		9	1949	↓

H2M LABS, INC.

VOLATILE

	Lot #	ID
Surr.		
I.S.		
M.S.		
QC Check		

SCAN: VOA INSTRUMENT: H5970-3 COLUMN: RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS		TIME INJ.	ANALYSTS SIGNATURE
1/27/97	P05493	B60236	9702304	5.0g		10	2020	JBoducchi
↓	P05494	B60241	9702306	↓		11	2051	↓ Backed up 1/28
1/28/97	P05495	50ng BFB		1ul	Direct		0931	JBoducchi
	P05496	VSTD050		5.0ml	CLPS.M	1	1010	
	P05497	VBLK28		5.0g		2	1103	
	P05498	VSTD050		5.0ml	CLPW.M	3	1221	
	P05499	VBLK28		"		4	1302	
	P05500	B60242	9702307	5.0g		5	1345	
	P05501	B60243	9702308			6	1416	
	P05502	B60250	9702421			7	1447	
	P05503	B60251	9702422			8	1518	
	P05504	B60252	9702423	↓	Re No purge	9	1549	
	P05505	B60220	9702037	5.0ml	Confirm then 1:20	10	1620	
	P05506	B60221	9702038		Confirm then 1:5	11	1649	
	P05507	B60222	9702039		Dilute 1:5	12	1719	
	P05508	Trip Blank	9702046		Confirm	13	1749	
	P05509	B60226	9702290			14	1819	
	P05510	B60227	9702291		Dilute 1:5	15	1849	
	P05511	B60228	9702292			16	1919	
	P05512	B60229	9702293			1	1949	
	P05513	B60230	9702294	↓		2	2018	
↓	P05514		9701628	1.0g		3	2048	↓

H2M LABS, INC.

VOLATILE

	LOT #	SOL'N ID
Surr.		
I.S.		
M.S.		
QC Check		

SCAN: V0A **INSTRUMENT:** H5970-3 **COLUMN:** RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS	TIME INJ.	ANALYSTS SIGNATURE
1/28/97	P05515	VSTD050		5.0ml	4	2120	JBolmecchi
	P05516	VBLK28		5.0g	5	2150	
	P05517		9702141	5.0g	Run Med 6	2220	
1/29/97	P05518 ✓	50ng BFB		5.0ml	3	1306	JBolmecchi
	P05519 ✓	VSTD050			1	1349	
	P05520 ✓	VBLK29			2	1436	
	P05521	B60235	9702295		3	1513	
	P05522	B60237	9702296		4	1542	
	P05523	B60238	9702297		Re Surr 5	1612	
	P05524	B60239	9702298		Dilute 1:2 6	1642	
	P05525	~~Trip Blank~~	~~9702299~~		~~9~~	~~1744~~	
	P05526	Trip Blank	9702294		7	1714	
	P05527	Trip Blank	9702046		Re Surr 8	1744	
	P05528 ✓	B60220	9702037		9	1814	
	P05529	B60220	9702037		1:20 Re 1.2510	1844	
	P05530 ✓	B60221	9702038		11	1914	
	P05531 ✓	B60221 DL	9702038		1:5 12	1943	
	P05532 ✓	B60222 DL	9702039		1:5 13	2013	
	P05533	B60227 DL	9702291 DL		1:5 14	2043	
	P05534	B60238 RE	9702297 RE		Do Not Rpt. 15	2112	
	P05535	B60239 DL	9702298 DL		1:B 16	2142	
1/30/97	P05536 ✓	50ng BFB		1ml	Direct 0851	~~0804~~	JBolmecchi

H2M LABS, INC.

	#	ID
Surr.		
I.S.		
M.S.		
QC Check		

VOLATILE

SCAN: VOA **INSTRUMENT:** HP5970-3 **COLUMN:** RTX502.2

DATE	RUN #	SAMPLE	LAB #	VOL.	COMMENTS	TIME INJ.	ANALYSTS SIGNATURE
1/30/97	P05537	VSTD050		5.0ml	1	1211	JBoccuzzi
	P05538	VBLK30			2	1254	
	P05539	VHBLK30			3	1324	
	P05540	B60220DL	9702037DL		1:25 4	1354	
	P05541	Trip Blank	9702046		5	1423	
	P05542	B60238	9702297		6	1453	
	P05543		9702716		7	1527	
	P05544		9702717		8	1557	
	P05545		9702718		9	1627	
	P05546		9702719		10	1656	
	P05547		9702720		11	1726	
	P05548	VSTD050			12	1757	
	P05549	VBLK30			13	1827	
	P05550		9702141		4g→10ml 10ml 14	1857	
↓	P05551		9702141	↓	4g→10ml 100ml 15	0749	↓
1/31/97	P05552	50ng BFB		1ul	Direct	1050	JBoccuzzi
	P05553	VSTD050		5.0ml	1	1127	
	P05554	VBLK31		5.0g	2	1224	
	P05555	B60252	9702423		3	1322	
↓	P05556		9702759	↓	4	1353	↓
2/5/97	P05557	50ng BFB		1ul	Direct	1017	JBoccuzzi
"	P05558	VSTD050		5.0ml	1	1213	"

Backed up 2/3/97

SDG # NDEC0122

SCAN VOA

This data package was reported by the undersigned. This reporting includes data calculations, manual edits if necessary, and compilation of raw data. The information presented is true and correct to the best of my knowledge.

Signature: _____

Date: 2/14/97