3.2.a

QUARTERLY GROUND WATER MONITORING REPORT

YAKIMA AGRICULTURAL RESEARCH LABORATORY

QUARTER NUMBER 1 - AUGUST 1990

October 10, 1990

Our Project Number 90042

Prepared for

U.S. Department of Agriculture

HONG WEST & ASSOCIATES

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USEPA SF

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1.0 Monitoring System Summary

Three additional ground water monitoring wells were installed at the YARL site during June and July of 1990. These in, combination with the wells installed during the previous study (Biospherics, Inc. 1988), complete the RCRA detection monitoring system required for the Clean Closure effort.

Details of the new wells appear in a separate report (Well Construction Report, August 29, 1990). To summarize, two of the new wells were screened at intervals similar to the other four wells (the uppermost 10 feet of the site aquifer). The third well was installed as a deep sampling piezometer at 125 feet to provide information regarding vertical hydraulic and chemical gradients within the upper aquifer.

The approved Sampling and Analysis Plan includes one year (5 rounds) of quarterly ground water monitoring, sampling and analysis for a variety of indicator parameters, organic and inorganic compounds. The objectives of the monitoring are as follows:

1. Determine depth to ground water and direction of ground water flow monthly.

2. Quantify ground water quality up-gradient and down-gradient from the former waste management area on a quarterly basis. This sampling should screen for indicator parameters and a specified list of organic and inorganic compounds.

3. Provide substantive data for hydrogeologic evaluation, risk assessment and final site closure.

2.0 Monitoring Procedures

2.1 Well Monitoring

The YARL site was visited on August 7, 1990 by the Hong West Team for the purpose of conducting the initial quarterly ground water monitoring and sampling field work. As per the Sampling and Analysis plan, a specific procedure was followed. First, water levels were taken in all the wells, with measurements made to the nearest .01 foot. Between each measurement, the well probe was decontaminated with a methanol wash followed by a distilled water rinse, to minimize the potential for well cross-contamination.

2.2 Well Purging

Once the static water levels were obtained, well purging and sampling commenced. The predetermined sampling order was followed, beginning with up-gradient and off-gradient wells and proceeding to wells directly down-gradient from the former septic tank and drainfield areas. Although not physically closest to these source areas, MW-C was sampled last because of its prior history of low detectable levels of volatile organics. The following sampling order was followed:

1. MW-D
2. MW-G
3. MW-B

4. MW-F
5. MW-E
6. MW-A
7. MW-C

Each well was purged using the dedicated Well Wizard pumps driven by an automatic controller which sent regular, periodic surges of nitrogen gas to displace the ground water to the surface via the pump's teflon tubing. During well purging, the pumped water was monitored for pH, temperature and conductivity. Purging was continued for a minimum of 5 well volumes and until the indicator parameters stabilized.

2.3 Well Sampling

As per the Sampling and Analysis plan, samples were withdrawn from each well sequentially in decreasing order of volatility and instability, beginning with volatile organics (into 40 ml glass vials for 8240 analysis) then pesticides (into 1 gallon amber bottles for 8080, 8140 and 8150 analyses) and metals (500 ml poly cubes for 6010, 7000 and 7470 analyses). Quadruplicate samples were taken; that is, enough water was pumped from each well to fill four full sets of sample bottles from each well.

After each well was sampled, the bottles were sealed with Chain of Custody seals, labeled and placed in iced coolers for priority shipment to the laboratory. A chain of custody was filled out at the same time and signed by the sampling technician. A field blank (prepared in the field) and trip blank (filled in the lab and shipped to and from the field) were added to the samples prior to shipment.

The sample numbering scheme is as follows:

90042-890-A1 refers to HWA project number 90042, August, 1990
sample number one from Monitoring Well A.

3.0 Ground Water Observations

There is no history of high levels of ground water contamination at YARL; hence, sampling was performed at a personal safety level of D. During ground water sampling, no unusual water discoloration or odor was observed. The weather was typically very hot, with temperatures approaching 100 Farenheit by early afternoon. No measurable precipitation had occurred in the Yakima area during the previous two weeks.

Ground water levels were measured during the August 7 sampling event and again on September 4, 1990. Depth to ground water averaged approximately 34 feet and flow was generally toward the southeast under a gradient of .004 ft/ft. The ground water contours for each monitoring event are shown in Figures 1-A and 1-B, respectively. Contours for the August monitoring event are somewhat suspect in that they show an anomalous flow pattern which departs from the expected southeasterly flow (seen for the September monitoring event). The source of this discrepancy is at present unknown, but may be related to off-site pumping or irrigation. Original field monitoring data sheets are presented in Appendix 1-1.

The water level in the deep piezometer, MW-E was significantly higher than the upper aquifer monitoring well adjacent to it (MW-F), indicating the presence of a vertical gradient within the upper-most aquifer. To obtain an estimate of the vertical gradient, the difference in water table elevation in each well is divided by the elevation change between the top of each screened interval in the two wells:

August 1990	September, 1990
$\frac{.56'}{85.34'} = .007$ ft/ft	$\frac{1.02'}{85.34'} = .012$ ft/ft

Thus, the average vertical gradient is .01 ft/per foot of hydraulic head. Because the measured water level in the deep piezometer was higher than in the shallow well, the inferred vertical hydraulic gradient is upward, indicating the site is located in an area of ground water discharge.

Data from MW-E was not used to construct Figures 1-A and 1-B because of its position deep within the upper-most aquifer. Data from MW-B was not used because measured water levels in this well have consistently produced anomalous apparent flow patterns.

4.0 Analytical Methods and Results

For a complete description of each analytical method, refer to the Project Plan and Sampling and Analysis Plan. In summary, each sample was analyzed for a variety of organic and inorganic contaminants including:

- TCL Volatile Organics EPA method 8240
- Chlorinated Pesticides EPA method 8080
- Herbicides/Organophosphate Insecticides EPA methods 8150 and 8140
- TCL Metals EPA Method 6010, 7444, 7000

Analytical results are presented in Appendix 1-2.

5.0 Interpretation of Results

5.1 TCL Volatile Organics

No volatile organics were detected in any of the 28 samples taken or in the trip blank or field blank samples. Full analytical results are presented in Appendix 1-2.

5.2 Pesticides, Herbicides and Insecticides

Of the 33 compounds analyzed for, none were detected in any of the 28 samples or in the trip blank or field blank samples. Full analytical results are presented in Appendix 1-2.

5.3 TCL Metals

Only minor amounts of the following metals were detected, which were below existing primary Maximum Contaminant Levels (40 CFR Chapter 1, part 141):

Compound/highest level detected (ppb)			Enforceable Limit (ppb)
Lead	16.3	(trip blank) *	50
Mercury	.43	(90042-890-B2)	2
Vanadium	78	(90042-890-D3)	—
Zinc	108	(90042-890-C3)	—

No other contaminants of concern were identified during the August, 1990 monitoring event.

* highest level detected on site: 10 ppb 90042-890-B4

FIGURE 1-A

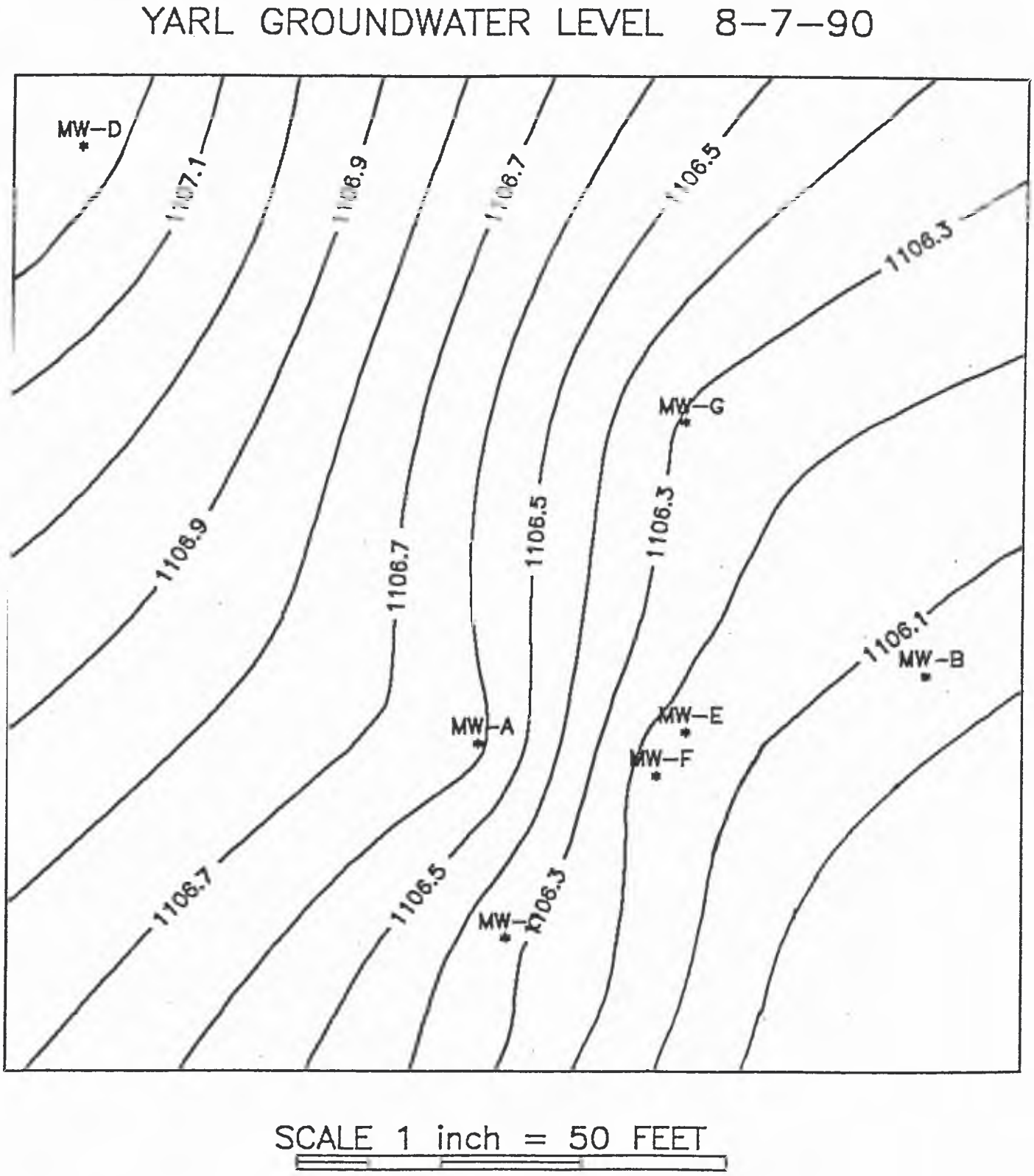
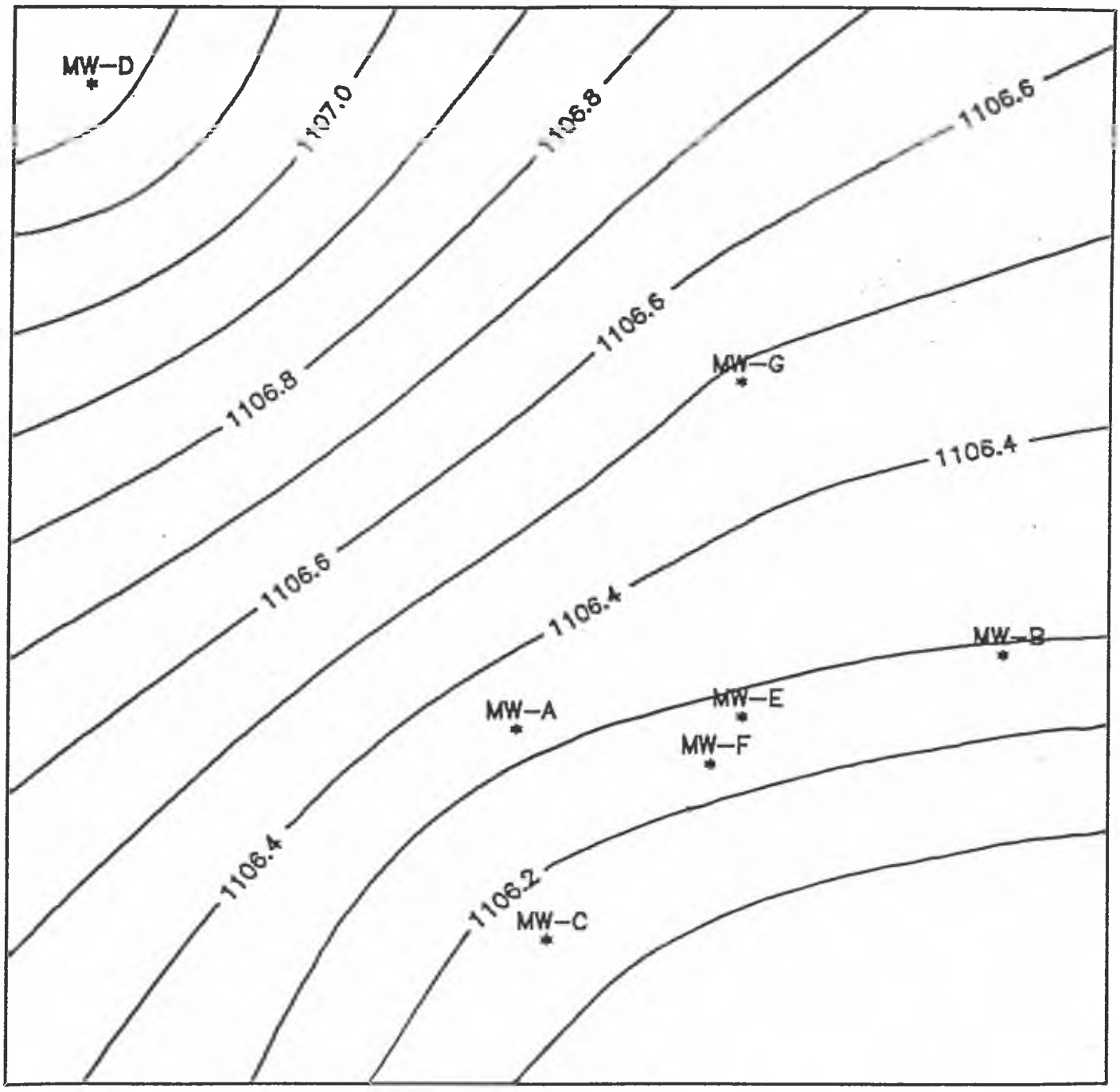

YARL GROUNDWATER LEVEL 8-7-90
MW-D
1107.1
1108.9
1106.7
1106.5
1106.3
MW-G
1108.9
1106.7
1106.5
1106.3
1106.1
MW-B
MW-A
MW-E
MW-F
1106.7
1106.5
1106.3
SCALE 1 inch = 50 FEET

FIGURE 1-B

YARL GROUNDWATER LEVEL 9-4-90



SCALE 1 inch = 50 FEET

APPENDIX 1-1

FIELD MONITORING DATA SHEETS

HONG WEST & ASSOCIATES

• Geotechnical Engineering • Hydrogeology • Materials Testing • Construction Inspection •

FIELD MONITORING DATA SHEET

PROJECT NAME: YARL SEPTIC DISPOSAL
PROJECT NUMBER: 90042
PAGE 1 OF 2 WEATHER: SUNNY 90°

LOCATION: YARL
ADDRESS: 3706 W. Nob Hill / YAK.
DATE: 8-7-90
CLIENT: USDA / ARS

WELL MONITORING

WELL NUM.	DATE/ TIME	** WELL ELEV.	IMMISC. THICK.	TOTAL DEPTH	DEPTH TO H2O	WATER ELEV.	GALLONS IN WELL
MW-A	8-7-90 1100	1141.54	N/A	42.0	34.90	1106.64	1.14
MW-B	8-7-90 1020	1141.94	N/A	47.0	35.24	1106.70	1.68
MW-C	8-7-90 1440	1140.98	N/A	42.0	34.66	1106.32	1.17
MW-D	8-7-90 0752	1141.00	N/A	46.0	33.75	1107.25	1.96

WELL PURGING

WELL NUM.	DATE/ TIME	METHOD	# PORE VOL.	RINSE METH.	APPROX. FLOW, GPM	ELASPED T 95% EQ.
MW-A	8-7-90 1110	WELL WIZARD	3 +	N/A	<1	<1 MIN.
MW-B	8-7-90 1045	"	"	"	"	"
MW-C	8-7-90 1450	"	"	"	"	"
MW-D		"	"	"	"	"

WELL SAMPLING

WELL NUM.	DATE/ TIME	SAMPLE NUMBER	250 ml AMBER	40 ml VOA	1 L GLASS	100 ml POLY	500 ml POLY	1 L POLY	1 GAL AMBER	PLAST
MW-A	8-7-90 1120-1150	90042-890 A1-A4	X	8240	X	X	6010*	X	8140 8150 8080	X
MW-B	8-7-90 1030-1100	90042-890 B1-B4	X	"	X	X	"	X	"	X
MW-C	8-7-90 1440-1510	90042-890 C1-C4	X	"	X	X	"	X	"	X
MW-D	8-7-90 0820-0850	90042-890 D1-D4	X	"	X	X	"	X	"	X

INDICATOR PARAMETERS

WELL NUM.	DATE/ TIME	(AFTER STABILIZATION) TEMP	COND.	pH	(AFTER SAMPLING) TEMP	COND.	pH
MW-A	8-7-90 1100	16°C	950	7.49			
MW-B	8-7-90 1045	15°C	1220	7.65			
MW-C	8-7-90 1450	17°C	872	7.41			
MW-D	8-7-90 0810	15°C	578	7.43			

COMMENTS: 1. Water clear, odorless. 500 ml. poly preserved w/ HNO_3
** TOP OF CASING
2. Sampled by Vicki Cabrales, Sweet-Edwards/EMCON
3. All samples iced.
* LEAD, ARSENIC, CADMIUM, & MERCURY

NAME: Doug Geller

P.O. Box 596, Lynnwood, Washington 98046 • (206) 774-0106

HONG WEST & ASSOCIATES

• Geotechnical Engineering • Hydrogeology • Materials Testing • Construction Inspection •

FIELD MONITORING DATA SHEET

PROJECT NAME: YARL SEPTIC DISPOSAL
PROJECT NUMBER: 90042
PAGE 2 OF 2 WEATHER: SUNNY 90°

LOCATION: YARL 3706 W NOB HILL
ADDRESS: YAKIMA
DATE: 8-7-90
CLIENT: USDA/ARS

WELL MONITORING

WELL NUM.	DATE/ TIME	** WELL ELEV.	IMMISC. THICK.	TOTAL DEPTH	DEPTH TO H2O	WATER ELEV.	GALLONS IN WELL
MW-E	8-7-90 1320	1141.03	N/A	128.0'	33.88'	1107.15	15.06
MW-F	8-7-90 1200	1141.28	N/A	47.0	35.15'	1106.13	2.22
MW-G	8-7-90 0940	1142.43	N/A	50.0	36.15'	1106.28	2.22

WELL PURGING

WELL NUM.	DATE/ TIME	METHOD	# PORE VOL.	RINSE METH.	APPROX. FLOW, GPM	ELASPED T 95% EQ.
MW-E	8-7-90 1320	WELL WIZARD	2 +	N/A	<1	<1 MIN.
MW-F	8-7-90 1200	"	3 +	"	"	"
MW-G	8-7-90 0945	"	"	"	"	"

WELL SAMPLING

WELL NUM.	DATE/ TIME	SAMPLE NUMBER	250 ml AMBER	40 ml VOA	1 L GLASS	100 ml POLY	500 ml POLY	1 L POLY	1 GAL AMBER	PLAST
MW-E	8-7-90 1338-1412	90042-890 E1-E4		8240			6010*		8140 8150 8080	
MW-F	8-7-90 1215-1245	90042-890 F1-F4		"			"		"	
MW-G	8-7-90 0950-1020	90042-890 G1-G4		"			"		"	
				"			"		"	

INDICATOR PARAMETERS

WELL NUM.	DATE/ TIME	(AFTER STABILIZATION) TEMP	COND.	pH	(AFTER SAMPLING) TEMP	COND.	pH
MW-E	8-7-90 1320	16°C	769	7.81			
MW-F	8-7-90 1210	16°C	879	7.45			
MW-G	8-7-90 0950	15°C	930	7.48			

COMMENTS:

** TOP OF CASING (SEE P. 1)

* LEAD, ARSENIC, CADMIUM & MERCURY

NAME: Doug Gelker

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HONG WEST & ASSOCIATES

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FIELD MONITORING DATA SHEET

PROJECT NAME: YARL SEPTIC DISPOSAL
PROJECT NUMBER: 90042
PAGE 1 OF 2 WEATHER: CLEAR HOT ±90°F

LOCATION: ~~35~~ YARL 3706 W. NOB HILL RD.
ADDRESS: YAKIMA
DATE: 09-04-90
CLIENT: USDA/ARS

WELL MONITORING

WELL NUM.	DATE/ TIME	*WELL ELEV.	IMMISC. THICK.	TOTAL DEPTH	DEPTH TO H2O	WATER ELEV.	GALLONS IN WELL
MW-A	09-04-90 1444	1141.54	N/A	44.01	35.21	1106.33	1.41
~~MW-B~~	~~09-04-90 1452~~	~~1142.43~~	~~N/A~~	~~40.56~~	~~35.95~~	~~1106.48~~	~~1.24~~
MW-D	09-04-90 1500	1141.00	N/A	41.38	33.75	1107.25	1.22

WELL PURGING

WELL NUM.	DATE/ TIME	METHOD	# PORE VOL.	RINSE METH.	APPROX. FLOW, GPM	ELASPED T 95% EQ.

WELL SAMPLING

WELL NUM.	DATE/ TIME	SAMPLE NUMBER	250 ml AMBER	40 ml VOA	1 L GLASS	100 ml POLY	500 ml POLY	1 L POLY	1 GAL AMBER	PLAST

INDICATOR PARAMETERS

WELL NUM.	DATE/ TIME	(AFTER STABILIZATION) TEMP	COND.	pH	(AFTER SAMPLING) TEMP	COND.	pH

COMMENTS:

* TOP OF CASING

NAME: ROD FAUBION

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HONG WEST & ASSOCIATES

• Geotechnical Engineering • Hydrogeology • Materials Testing • Construction Inspection •

FIELD MONITORING DATA SHEET

PROJECT NAME: YARL SEPTIC DISPOSAL
PROJECT NUMBER: 90042
PAGE 2 OF 2 WEATHER: CLEAR HOT ±90°F

LOCATION: YARL
ADDRESS: 3706 W. NOB HILL RD
DATE: 09-04-90
CLIENT: USDA/ARS

WELL MONITORING

WELL NUM.	DATE/ TIME	* WELL ELEV.	IMMISC. THICK.	TOTAL DEPTH	DEPTH TO H2O	WATER ELEV.	GALLONS IN WELL
MW-B	09-04-90 1415	1141.94	N/A	43.75	35.43	1106.51	1.33
MW-E	09-04-90 1422	1141.03	N/A	126.8	34.21	1106.82	14.81
MW-F	09-04-90 1432	1141.28	N/A	48.72	35.02	1106.26	2.19
MW-C	09-04-90 1437	1140.98	N/A	40.45	34.85	1106.13	0.90

WELL PURGING

WELL NUM.	DATE/ TIME	METHOD	# PORE VOL.	RINSE METH.	APPROX. FLOW, GPM	ELASPED T 95% EQ.

WELL SAMPLING

WELL NUM.	DATE/ TIME	SAMPLE NUMBER	250 ml AMBER	40 ml VOA	1 L GLASS	100 ml POLY	500 ml POLY	1 L POLY	1 GAL AMBER	PLAST

INDICATOR PARAMETERS

WELL NUM.	DATE/ TIME	(AFTER STABILIZATION) TEMP	COND.	pH	(AFTER SAMPLING) TEMP	COND.	pH

COMMENTS: * TOP OF CASING

(SECOND MONTH WATER LEVELS)

NAME: ROD FAUBION

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APPENDIX 1-2

ORIGINAL LABORATORY DATA AND CHAIN OF CUSTODY

Biospherics Incorporated

MEMO

To: Biogroundwater - Stuart Cohen

From: Laboratory Division - Beltsville Office

Re: CS1,1A,1B (8/8)

Date: September 7, 1990

Enclosed please find the Task 13 results for Hong West's samples collected on August 7, 1990. Samples were submitted by Hong West.

BIOSPHERICS INCORPORATED

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

CASE: CS1(08/08)

Analytical Methodology/Sample Chronicle

Parameter	Method	Date Extracted	Date Analyzed
Metals	EPA 6010/7000's	8/14,17/90	8/22-9/6/90
	7470	8/13,29/90	8/14,30,90
Pesticides	EPA 8080	8/10,31/90	8/23-24,31/90
Organophosphorus Pesticides	EPA 8140	8/13,31/90	8/23-28,31/90
Volatile Organics	EPA 8240		8/13-14/90
Herbicides	EPA 8150	8/11,23/90	8/16,24/90

Non-conformance Summary

Volatile Organics
The following samples had head space in the sample collection bottles: 90042-890-A2, A3, A4, B1, B2, B3, C1, C3, D1, D3, E2, E3, E4, F1, F2, F3, F4, G3, G4, field blank, and trip blank. The matrix spike, matrix spike duplicate and surrogates were within acceptable limits.

Metals
The process blank, replicate, matrix spike and laboratory control sample results were within acceptable limits except for the following: the process blanks for zinc were 57 ug/L, 58 ug/L, 66 ug/L and 74 ug/L, above the requested detection limit.

Organophosphorus Pesticides
Due to low recovery of the surrogate, samples 90042-890-D3, E2, E4 were reextracted outside of holding time.

Pesticides
Due to low recovery of the surrogate, sample 90042-890-E4 was reextracted outside of holding time.

Herbicides
The following samples were reextracted outside of holding time due to poor recovery of the surrogates: 90042-890-A4, B3, B4, D2, D3, D4, E1, E2, E3, E4, F1, F2, F3, F4, G1, G2, G3, G4.

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-A1	90042-890-A2	90042-890-A3	90042-890-A4
Lab I.D.:	9014855	9014856	9014857	9014858
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	76400	73200	72200	73300
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	<100	<100	<100	<100
Lead	<3	<3	<3	<3
Magnesium	39900	39800	38200	37900
Manganese	<15	<15	<15	<15
Mercury	<0.2	0.32	0.26	<0.2
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-A1	90042-890-A2	90042-890-A3	90042-890-A4
Lab I.D.:	9014855	9014856	9014857	9014858
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	69000	60900	59900	57400
Thallium	<10	<10	<10	<10
Tin	<30	<30	<30	<30
Vanadium	<50	<50	<50	<50
Zinc	44	58	46	45

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-B1	90042-890-B2	90042-890-B3	90042-890-B4
Lab I.D.:	9015409	9014860	9014861	9014862
Parameter:				
Aluminum	315	336	339	306
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	80700	86600	84000	85200
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	846	987	1050	832
Lead	<3	3.7	<3	10
Magnesium	50750	53400	51100	51600
Manganese	21	23	24	17
Mercury	<0.2	0.43	0.26	0.20
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-B1	90042-890-B2	90042-890-B3	90042-890-B4
Lab I.D.:	9015409	9014860	9014861	9014862
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	63000	80400	63400	62400
Thallium	<10	<10	<10	<10
Tin	<30	<30	<30	<30
Vanadium	57	61	55	60
Zinc	65	43	55	63

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-C1	90042-890-C2	90042-890-C3	90042-890-C4
Lab I.D.:	9014863	9014864	9014865	9014866
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	62100	63200	58800	64600
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	<100	<100	<100	<100
Lead	<3	9.5	<3	4.5
Magnesium	33900	34300	31200	35300
Manganese	<15	<15	<15	<15
Mercury	0.26	<0.2	0.26	<0.2
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-C1	90042-890-C2	90042-890-C3	90042-890-C4
Lab I.D.:	9014863	9014864	9014865	9014866
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	5.0	5.3	<5	<5
Silver	<10	<10	<10	<10
Sodium	52200	53800	50200	51300
Thallium	<10	<10	<10	<10
Tin	<30	<30	<30	<30
Vanadium	53	58	55	57
Zinc	62	45	108	63

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-D1	90042-890-D2	90042-890-D3	90042-890-D4
Lab I.D.:	9014867	9014868	9014869	9014870
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	45400	48000	49900	46000
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	<100	<100	<100	<100
Lead	<3	<3	<3	3.0
Magnesium	27200	29400	30300	27400
Manganese	<15	<15	<15	<15
Mercury	<0.2	<0.2	<0.2	0.20
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-D1	90042-890-D2	90042-890-D3	90042-890-D4
Lab I.D.:	9014867	9014868	9014869	9014870
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	52800	54300	55300	50300
Thallium	<10	<10	<10	<10
Tin	<30	<30	<30	32
Vanadium	72	77	78	66
Zinc	59	57	53	69

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-E1	90042-890-E2	90042-890-E3	90042-890-E4
Lab I.D.:	9014871	9014872	9014873	9014874
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	72300	68200	74400	75800
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	101	123	151	116
Lead	<3	<3	<3	<3
Magnesium	32200	30800	33700	33300
Manganese	<15	<15	<15	<15
Mercury	<0.2	<0.2	0.20	0.37
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-E1	90042-890-E2	90042-890-E3	90042-890-E4
Lab I.D.:	9014871	9014872	9014873	9014874
Parameter:				
Potassium	5490	5280	5310	5280
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	31500	30600	31800	33100
Thallium	<10	<10	<10	<10
Tin	<30	94	<30	<30
Vanadium	<50	<50	<50	<50
Zinc	66	49	58	52

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-F1	90042-890-F2	90042-890-F3	90042-890-F4
Lab I.D.:	9014875	9014876	9014877	9014878
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	63400	62600	58500	55400
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	<100	<100	<100	<100
Lead	<3	<3	<3	<3
Magnesium	38800	37500	36200	34800
Manganese	<15	<15	<15	<15
Mercury	0.20	<0.20	<0.20	<0.20
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-F1	90042-890-F2	90042-890-F3	90042-890-F4
Lab I.D.:	9014875	9014876	9014877	9014878
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	52200	54500	52800	57200
Thallium	<10	<10	<10	<10
Tin	<30	49	<30	<30
Vanadium	59	55	53	54
Zinc	47	73	58	49

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-G1	90042-890-G2	90042-890-G3	90042-890-G4
Lab I.D.:	9014879	9014880	9014881	9014882
Parameter:				
Aluminum	<200	<200	<200	<200
Antimony	<60	<60	<60	<60
Arsenic	<10	<10	<10	<10
Barium	<200	<200	<200	<200
Beryllium	<5	<5	<5	<5
Cadmium	<5	<5	<5	<5
Calcium	58900	36100	60800	59200
Chromium	<10	<10	<10	<10
Cobalt	<50	<50	<50	<50
Copper	<25	<25	<25	<25
Iron	<100	<100	<100	<100
Lead	<3	<3	<3	<3
Magnesium	35700	54300	38900	39100
Manganese	<15	<15	<15	<15
Mercury	0.20	<0.20	<0.20	0.20
Nickel	<40	<40	<40	<40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	90042-890-G1	90042-890-G2	90042-890-G3	90042-890-G4
Lab I.D.:	9014879	9014880	9014881	9014882
Parameter:				
Potassium	<5000	<5000	<5000	<5000
Selenium	<5	<5	<5	<5
Silver	<10	<10	<10	<10
Sodium	57500	55200	55400	59000
Thallium	<10	<10	<10	<10
Tin	387	<30	<30	<30
Vanadium	57	58	60	64
Zinc	68	56	47	54

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	Field Blank	Trip Blank	Quanitation Limit
Lab I.D.:	9014885	9014886	
Parameter:			
Aluminum	<200	<200	200
Antimony	<60	<60	60
Arsenic	<10	<10	10
Barium	<200	<200	200
Beryllium	<5	<5	5
Cadmium	<5	<5	5
Calcium	1330	<1000	1000
Chromium	<10	<10	10
Cobalt	<50	<50	50
Copper	<25	<25	25
Iron	<100	<100	100
Lead	<3	16.3	3
Magnesium	<1000	<1000	1000
Manganese	<15	<15	15
Mercury	<0.2	0.20	0.2
Nickel	<40	<40	40

BIOSPHERICS INCORPORATED

HONG-WEST TCL RESULTS-METALS

DATE COLLECTED: August 7, 1990

DATE RECEIVED: August 8, 1990

MATRIX: Water

UNITS: ug/L

CASE: CS1(08/08)

Client I.D.:	Field Blank	Trip Blank	Quantitation Limit
Lab I.D.:	9014885	9014886	
Parameter:			
Potassium	<5000	<5000	5000
Selenium	<5	<5	5
Silver	<10	<10	10
Sodium	<5000	<5000	5000
Thallium	<10	<10	10
Tin	<30	<30	30
Vanadium	<50	<50	50
Zinc	76	44	20

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE431::DB
Lab. No.: 9014855
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-A1)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 15:45

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE432::DB
Lab. No.: 9014856
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-A2)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 16:13

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE433::DB
Lab. No.: 9014857
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-A3)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 16:42

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
~~74-83-9~~	~~Bromomethane~~	~~10.~~	~~N~~	~~10061-01-5~~	~~cis-1,3-Dichloropropene~~	~~5.~~	~~N~~
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE434::DB
Lab. No.: 9014858
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-A4)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 17:10

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE435::DB
Lab. No.: 9014859
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-B1)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 22:23

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE436::DB
Lab. No.: 9014860
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-B2)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 22:52

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE437::DB
Lab. No.: 9014861
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-B3)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 23:20

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE438::DB
Lab. No.: 9014862
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-B4)
Date Collected: 8/07/90
Date Analyzed: 8/13/90 23:48

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE439::DB
Lab. No.: 9014863
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-C1)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 0:16

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE455::DB
Lab. No.: 9014864
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-C2)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 15:30

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE441::DB
Lab. No.: 9014865
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-C3)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 1:13

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE442::DB
Lab. No.: 9014866
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-C4)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 1:41

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE446::DB
Lab. No.: 9014867
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-D1)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 10:59

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE447::DB
Lab. No.: 9014868
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-D2)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 11:27

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE448::DB
Lab. No.: 9014869
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-D3)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 11:55

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE449::DB
Lab. No.: 9014870
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-D4)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 12:24

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE450::DB
Lab. No.: 9014871
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-E1)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 12:52

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE451::DB
Lab. No.: 9014872
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-E2)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 13:20

CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N
74-83-9	Bromomethane	10.	N
75-01-4	Vinyl Chloride	10.	N
75-00-3	Chloroethane	10.	N
75-09-2	Methylene Chloride	5.	N
67-64-1	Acetone	100.	N
75-15-0	Carbon Disulfide	5.	N
75-35-4	1,1-Dichloroethene	5.	N
75-34-3	1,1-Dichloroethane	5.	N
540-59-0	trans-1,2-Dichloroethene	5.	N
67-66-3	Chloroform	5.	N
107-06-2	1,2-Dichloroethane	5.	N
78-93-3	2-Butanone	100.	N
71-55-6	1,1,1-Trichloroethane	5.	N
56-23-5	Carbon Tetrachloride	5.	N
108-05-4	Vinyl Acetate	50.	N
75-27-4	Bromodichloromethane	5.	N

CAS #	Compound Name	Conc(ug/L)	
78-87-5	1,2-Dichloropropane	5.	N
10061-01-5	cis-1,3-Dichloropropene	5.	N
79-01-6	Trichloroethene	5.	N
124-48-1	Dibromochloromethane	5.	N
79-00-5	1,1,2-Trichloroethane	5.	N
71-43-2	Benzene	5.	N
10061-02-6	trans-1,3-Dichloropropene	5.	N
75-25-2	Bromoform	5.	N
108-10-1	4-Methyl-2-Pentanone	50.	N
591-78-6	2-Hexanone	50.	N
127-18-4	Tetrachloroethene	5.	N
79-34-5	1,1,2,2-Tetrachloroethane	5.	N
108-88-3	Toluene	5.	N
108-90-7	Chlorobenzene	5.	N
100-41-4	Ethylbenzene	5.	N
100-42-5	Styrene	5.	N
1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE452::DB
Lab. No.: 9014873
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-E3)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 13:48

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE453::DB
Lab. No.: 9014874
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-E4)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 14:17

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE454::DB
Lab. No.: 9014875
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-F1)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 14:45

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE458::DB
Lab. No.: 9014876
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-F2)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 16:52

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis 1,3 Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE459::DB
Lab. No.: 9014877
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-F3)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 17:19

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE460::DB
Lab. No.: 9014878
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-F4)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 17:47

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE461::DB
Lab. No.: 9014879
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-B90-G1)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 18:14

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE462::DB
Lab. No.: 9014880
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-G2)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 18:41

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
[illegible]	[illegible]	10.	N	[illegible]	[illegible]	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE463::DB
Lab. No.: 9014881
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-G3)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 19:08

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE464::DB
Lab. No.: 9014882
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(90042-890-G4)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 19:35

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
\# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE465::DB
Lab. No.: 9014883
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(FIELD BLANK)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 20:03

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit. Number reported is concentration in sample.

BIOSPHERICS
VOLATILE ANALYSIS REPORT
REFERENCED METHOD:8240

Data File: >BE466::DB
Lab. No.: 9014884
Matrix: WATER
Instrument ID: GC/MS #2 (HP5970)

Client ID: HONG-WEST(TRIP BLANK)
Date Collected: 8/07/90
Date Analyzed: 8/14/90 20:30

CAS #	Compound Name	Conc(ug/L)		CAS #	Compound Name	Conc(ug/L)	
74-87-3	Chloromethane	10.	N	78-87-5	1,2-Dichloropropane	5.	N
74-83-9	Bromomethane	10.	N	10061-01-5	cis-1,3-Dichloropropene	5.	N
75-01-4	Vinyl Chloride	10.	N	79-01-6	Trichloroethene	5.	N
75-00-3	Chloroethane	10.	N	124-48-1	Dibromochloromethane	5.	N
75-09-2	Methylene Chloride	5.	N	79-00-5	1,1,2-Trichloroethane	5.	N
67-64-1	Acetone	100.	N	71-43-2	Benzene	5.	N
75-15-0	Carbon Disulfide	5.	N	10061-02-6	trans-1,3-Dichloropropene	5.	N
75-35-4	1,1-Dichloroethene	5.	N	75-25-2	Bromoform	5.	N
75-34-3	1,1-Dichloroethane	5.	N	108-10-1	4-Methyl-2-Pentanone	50.	N
540-59-0	trans-1,2-Dichloroethene	5.	N	591-78-6	2-Hexanone	50.	N
67-66-3	Chloroform	5.	N	127-18-4	Tetrachloroethene	5.	N
107-06-2	1,2-Dichloroethane	5.	N	79-34-5	1,1,2,2-Tetrachloroethane	5.	N
78-93-3	2-Butanone	100.	N	108-88-3	Toluene	5.	N
71-55-6	1,1,1-Trichloroethane	5.	N	108-90-7	Chlorobenzene	5.	N
56-23-5	Carbon Tetrachloride	5.	N	100-41-4	Ethylbenzene	5.	N
108-05-4	Vinyl Acetate	50.	N	100-42-5	Styrene	5.	N
75-27-4	Bromodichloromethane	5.	N	1330-20-7	Total Xylenes	5.	N

Qualifier descriptions: N - Compound analyzed for but not detected
Number reported is the quantitation limit.
* - Compound is present but less than quantitation limit. Should be considered an approximation.
# - Common laboratory solvent. EPA-CLP acceptable limits are 25 and 50 ppb for methylene chloride and acetone respectively.
BLANK - Compound present above quantitation limit.
Number reported is concentration in sample.

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	μg/L
LAB No.:	9014855	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 65

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014856	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.10
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 51

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014857	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 72

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014858	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 70

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014859	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 70

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014860	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.50
309-00-2	Aldrin	BQL	0.50
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 50

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014861	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 70

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014862	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 72

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014863	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 52

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014864	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.01
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 63

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014865	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	[illegible]

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.50
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 69

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014866	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.01
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 64

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014867	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 59

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014868	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/23/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 72

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014869	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 66

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014870	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA [illegible]	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 71

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014871	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 72

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014872	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA [illegible]	DATE ANALYZED:	[illegible]

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 79

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08) ··	UNITS:	µg/L
LAB No.:	9014873	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.5
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 83

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014874	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E4	DATE EXTRACTED:	08/31/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/31/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 1 0

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014875	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 63

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08) - .	UNITS:	µg/L
LAB No.:	9014876	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 67

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014877	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 76

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014878	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 59

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014879	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G1	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 51

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014880	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G2	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 67

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014881	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G3	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 70

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014882	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G4	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 57

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014883	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA 8080	DATE ANALYZED:	08/24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 64

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOCHLORINE PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014884	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank/trip blank	DATE EXTRACTED:	08/10/90
REFERENCED METHOD:	EPA [illegible]	DATE ANALYZED:	[illegible]

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
319-84-6	Alpha-BHC	BQL	0.05
319-87-7	Beta-BHC	BQL	0.05
319-86-8	Delta-BHC	BQL	0.05
58-89-9	Lindane	BQL	0.05
76-44-8	Heptachlor	BQL	0.05
309-00-2	Aldrin	BQL	0.05
1024-57-3	Heptachlor Epoxide	BQL	0.05
959-98-8	Endosulfan I	BQL	0.05
60-57-1	Dieldrin	BQL	0.10
75-55-9	4,4'-DDE	BQL	0.10
72-20-8	Endrin	BQL	0.10
33213-65-9	Endosulfan II	BQL	0.10
72-54-8	4,4'-DDD	BQL	0.10
1031-07-8	Endosulfan Sulfate	BQL	0.10
50-29-3	4,4'-DDT	BQL	0.10
72-43-5	Methoxychlor	BQL	0.50
7421-93-4	Endrin Aldehyde	BQL	0.10
57-74-9	Chlordane	BQL	0.50
8001-35-2	Toxaphene	BQL	1.0

Surrogate % Rec. 65

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014855	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	**EPA 8140**	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 70

BQL - Below Practical Quantitation Limit
All positive results qualitatively confirmed by second column

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014856	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 73

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014857	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 79

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014858	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 81

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014859	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 47

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014860	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 106

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014861	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 83

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014862	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 92

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014863	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 94

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014864	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 90

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014865	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 89

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014866	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0
	Surrogate % Rec.	120	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014867	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 71

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014868	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 29

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014869	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D3	DATE EXTRACTED:	08/31/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/31/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 124

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014870	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0
	Surrogate % Rec.	86	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014871	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 50

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014872	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E2	DATE EXTRACTED:	08/31/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/31/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 78

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014873	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0
	Surrogate % Rec.	80	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014874	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E4	DATE EXTRACTED:	08/31/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/31/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 149

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014875	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 45

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014876	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 88

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014877	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 78

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014878	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 81

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014879	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G1	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 89

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014880	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G2	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 68

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014881	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G3	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0
	Surrogate % Rec.	110	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014882	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G4	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 106

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014883	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 74

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
ORGANOPHOSPHORUS PESTICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014884	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank/trip blank	DATE EXTRACTED:	08/13/90
REFERENCED METHOD:	EPA 8140	DATE ANALYZED:	08/23-28/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
107-49-3	TEPP	BQL	5.0
2600-69-3	Phorate	BQL	0.2
298-04-4	Disulfoton	BQL	0.2
298-00-0	Methyl Parathion	BQL	0.2
121-75-5	Malathion	BQL	0.2
2921-88-2	Dursban	BQL	0.2
56-38-2	Ethyl Parathion	BQL	0.2
333-41-5	Diazinon	BQL	0.2
55-38-9	Fenthion	BQL	0.2
86-50-0	Azinophos-methyl	BQL	0.8
311-45-5	Paraoxon	BQL	2.0

Surrogate % Rec. 84

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014855	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A1	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	82	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014856	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A2	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	85	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014857	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A3	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	83	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014858	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-A4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	82	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014859	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B1	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	47	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014860	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B2	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	49	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014861	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B3	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	99	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014862	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-B4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	83	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014864	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C2	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	87	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014865	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C3	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	89	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014866	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-C4	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	79	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014867	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D1	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	77	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014868	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D2	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	55	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014869	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D3	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	95	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014870	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-D4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	84	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014871	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E1	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	146	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014872	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E2	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	57	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014873	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E3	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	129	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014874	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-E4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	126	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014875	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F1	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	109	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014876	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F2	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	109	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014877	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F3	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	137	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014878	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-F4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	110	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014879	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G1	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	111	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014880	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G2	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	95	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014881	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G3	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	96	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014882	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	90042-890-G4	DATE EXTRACTED:	08/11-23/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16-24/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	106	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014883	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	86	

BQL - Below Practical Quantitation Limit

ORGANIC ANALYSIS DATA SHEET
HERBICIDES

LAB NAME:	Biospherics Inc.	MATRIX:	Water
CASE No.:	Cs1(08/08)	UNITS:	µg/L
LAB No.:	9014884	DATE COLLECTED:	08/07/90
CLIENT NAME:	Hong West	DATE RECEIVED:	08/08/90
CLIENT I.D.:	Field Blank/trip blank	DATE EXTRACTED:	08/11/90
REFERENCED METHOD:	EPA 8150	DATE ANALYZED:	08/16/90

C.A.S. Number		Sample Quantitation	Practical Quantitation Limit
94-75-7	2,4-D	BQL	0.10
93-72-1	Silvex	BQL	0.10
93-76-5	2,4,5-T	BQL	0.10
	Surrogate % Rec.	85	

BQL - Below Practical Quantitation Limit

BIOSPHERICS® INCORPORATED

12051 Indian Creek Ct.
Beltsville, MD 20705
(301) 369-3900

Chain of Custody Record

90042

Project: 1/4 Sampling Site: Yakima
Client: HongWest Phone:
Address:

Sampler's Name/Firm: Vicki Cabrales FE/E
Phone: 485-5000 Sampler's Signature: Vicki A. Cabrales

Preservative Used: — | HNO3 | REF4C | REF4C | REF4C

Analyses Required

Sample Number	Date	Time	Matrix	No. of Containers	VOA 8240	Metals (TCL)	8150	8080	8140				Remarks or Sample Location
90042-890- A1	8/7/90	1120	H_2O	4	X	X	X	X	X				
A2		1130			X	X	X	X	X				
A3		1140			X	X	X	X	X				
A4		1150			X	X	X	X	X				
B1		1030			X	X	X	X	X				
B2		1040			X	X	X	X	X				
B3		1050			X	X	X	X	X				
B4		1100			X	X	X	X	X				
C1		1440			X	X	—	—	—				
C2		1450			X	X	—	—	—				
C3		1500			X	X	—	—	—				
C4		1510			X	X	—	—	—				
D1		0820			X	X	—	—	—				
D2		0830			X	X	—	—	—				
D3		0840			X	X	—	—	—				

Relinquished by: (Signature) 1	Date/Time	Received by: (Signature)	Relinquished by: (Signature) 4	Date/Time	Shipping Carrier:
Vicki A Cabrales	8/7/90 1600				FED EX
Relinquished by: (Signature) 2	**Date/Time**	**Received by: (Signature)**	**Received for Laboratory by: (Signature)**	**Date/Time**	**Shipping Ticket Number:**
			[signature]	8/8 [illegible]	7949298545
Relinquished by: (Signature) 3	**Date/Time**	**Received by: (Signature)**	**Chain of Custody Seal: (Circle)** Intact Broken Absent	**Lab Remarks**	
				Received Good / Cool	

White-Return to Client Yellow-Retain by Lab (Project File) Pink-Retain by Lab (Client Services) Gold-Retain by Sampler

[redacted]OSPHERICS® [redacted]CORPORATED

12051 Indian Creek Ct.
Beltsville, MD 20705
(301) 369-3900

Chain of Custody Record

Project: 1/4/4 Sampling Site: Yakima
Client: Hong West Phone:
Address:

Sampler's Name/Firm: Vicki Cabrales SE/E
Phone: Sampler's Signature: Vicki A Cabrales

Preservative Used: — | HNO3 | Ref 4C | Ref 4C | Ref 4C

Analyses Required

Sample Number	Date	Time	Matrix	No. of Containers	VOA 8240	Metals (TCL)	8150	8080	8140			Remarks or Sample Location
90042890-D4	8/7/90	0850	H2O	4	X	X	X	X	X			
E1		1330			X	X	X	X	X			
E2		1340			X	X	X	X	X			
E3		1350			X	X	X	X	X			
E4		1400			X	X	X	X	X			
F1		1216			X	X	X	X	X			
F2		1225			X	X	X	X	X			
F3		1235			X	X	X	X	X			
F4		1245			X	X	X	X	X			
G1		0950			X	X	X	X	X			
G2		1000			X	X	X	X	X			
G3		1010			X	X	X	X	X			
G4		1020			X	X	X	X	X			
Field Blank		1300		~~6~~ 3 as per client use	X	X	X	X	X			
Field Blank / trip blank				4 8/8/90	X	X	X	X	X			

Relinquished by: (Signature) 1	Date/Time	Received by: (Signature)	Relinquished by: (Signature) 4	Date/Time	Shipping Carrier:
Vicki A. Cabrales	8/7/90 1600				FED EX
Relinquished by: (Signature) 2	**Date/Time**	**Received by: (Signature)**	**Received for Laboratory by: (Signature)**	**Date/Time**	**Shipping Ticket Number:**
			[signature]	8/8 [illegible]	7949298545
Relinquished by: (Signature) 3	**Date/Time**	**Received by: (Signature)**	**Chain of Custody Seal: (Circle)** Intact Broken Absent	**Lab Remarks**	
				Received Good / Good	

White-Return to Client Yellow-Retain by Lab (Project File) Pink-Retain by Lab (Client Services) Gold-Retain by Sampler