PASSF 1.7v2
Rec'd
6/10/87

ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

MEMORANDUM

DATE: June 8, 1987

TO: John Osborn, FIT-RPO, USEPA, Region X

FOR: Joyce Crosson, RSCC, USEPA, Region X

THRU: David Buecker, FIT-OM, E&E, Seattle

FROM: James Herndon, Chemist, E&E, Seattle
Andrew Hafferty, Senior Chemist, E&E, Seattle

SUBJ: QA of Case 6973 (HSL Organics)
Pasco Landfill

REF: F10-8703-01

CC: Gerald Muth, DPO, USEPA, Region X
Marcia Knadle, ESD-PO, USEPA, Region X
Deborah Flood, HWD-SM, USEPA, Region X
Jeffrey Villnow, E&E, Seattle

The Quality Assurance review of 28 samples, Case 6973, collected from Pasco Landfill, has been completed. The 28 water samples were analyzed at low level for TCL organics by Gulf South Research Institute, of New Orleans, Louisiana the samples were numbered:

JC-303	JC-310	JC-317	JC-324
JC-304	JC-311	JC-318	JC-325
JC-305	JC-312	JC-319	JC-326
JC-306	JC-313	JC-320	JC-327
JC-307	JC-314	JC-321	JC-328
JC-308	JC-315	JC-322	JC-330
JC-309	JC-316	JC-323	JC-331

Sample JC-324 and JC-326 were analyzed for Acid/Base/Neutrals and Pesticides/PCBs only. Samples JC-325 and JC-331 were analyzed for volatiles only. Data Qualifications

The following comments refer to the laboratory performance in meeting the Quality Assurance - Quality Control Specifications outlined in Exhibit E of IFB WA 85-J-176.

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USEPA SF
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1) Timeliness - Acceptable

2) Instrument Tuning - Acceptable

a) The DFTPP spectra for 3/30/87 run on Instrument B (Finn 2) flagged 7 low intensity masses as saturated.

b) All BFB spectra (3/20/87 to 3/25/87) run on Instrument A (Finn 1) had masses flagged as saturated. The number of masses flagged varied between 14 and 78 per spectra.

The affect on data quality is not known, but concern is expressed with this occurrence.

3) Initial Calibration - Acceptable

4) Continuing Calibration

The ABN standard SS032987B (3/29/87) was out of control for the CCC Pentachlorophenol.

	%RSD	QC Limit
Pentachlorophenol	33.1%	25%

The ABN standard SS033087A (3/30/87) was out of control for the CCC Dinoctylphthalate.

	%RSD	QC Limit
Dinoctylphthalate	25.7%	25%

Volatile samples analyzed on 3/20/87 were run after an initial calibration. Sample quantitation is referanced against a 50 ppb standard in the raw data. No Form VII (Continuing Calibration) was supplied to referance the 50 ppb standard used against the initial calibration. It is assumed that the 50 ppb standard from the initial calibration was used to quantitate Blank 1, JC-303, JC-304 and JC-305.

The VOA standard VS032487B (3/24/87) was out of control for the CCCs Vinyl Chloride and 1,2-Dichloropropane.

	%RSD	QC Limit
Vinyl Chloride	28.1%	25%
1,2-Dichloropropane	26.2%	25%

The VOA standard VS032587A (3/25/87) was out of control for the CCC Vinyl Chloride.

	%RSD	QC Limit
Vinyl Chloride	25.4%	25%

5) Pesticide/PCB Standards

The laboratory resubmitted the Pesticide Evaluation Standards Summary covering the following samples:

JC-304	JC-318	JC-322
JC-305	JC-319	JC-324
JC-309	JC-320	JC-326
JC-317	JC-321	

a) Linearity - Acceptable

b) DDT Retention Time - Acceptable

c) Retention Time Windows - Acceptable

d) Analytical Sequence - Acceptable

e) 4,4'-DDT/Endrin Degradation - Acceptable

f) Dibutylchloroendate Retention Time Shift - Acceptable

g) Standards - Acceptable

6) Instrument Detection Limits - Acceptable

7) Blanks

ABN - Acceptable

There was some confusion concerning the two blanks shown as extracted on the 3/20/87 extractions logs. Only one blank was analyzed for that days extractions. It was difficult to correlate between the blank names on the extraction log and the rest of the data.

The laboratory resubmitted the semivolatile OADs forms for Blank 4 and Blank 5 to reflect corrected detection limits.

Volatiles

Blank VB032087B (Blank 1 - 3/20/87) contained Methylene Chloride (common solvent) at a level greater than 5 time the CRDL.

	sample	CRDL
Methylene Chloride	36 ppb	5 ppb

Pesticides/PCBs - Acceptable

8) Surrogate Recovery

ABN - Acceptable

Volatiles - Acceptable

Pesticides/PCB - Acceptable

9) Matrix Spike - Matrix Spike Duplicate

ABN

Spike recoveries on sample JC-316 were above advisory limits for Pyrene and 2,4-Dinitrotoluene.

	% Recovery	Limit
Pyrene (MS)	138%	26 - 127%
Pyrene (MSD)	148%	26 - 127%
2,4-Dinitrotoluene (MSD)	98%	24 -96%

Spike recoveries on sample JC-322 were above advisory limits for Pyrene, 2,4-Dinitrotoluene and Phenol.

	% Recovery	Limit
Pyrene (MS)	140%	26 - 127%
Pyrene (MSD)	136%	26 - 127%
2,4-Dinitrotoluene (MS)	100%	24 -96%
Phenol (MS)	91%	12 - 89%
Phenol.(MSD)	91%	12 - 89%

Volatiles - Acceptable

Pesticide/PCB

The Relative Percent Difference for spike recoveries on sample JC-316 were above advisory limits for Heptachlor.

	% RPD	Limit
Heptachlor	24%	20%

The Relative Percent Difference for spike recoveries on sample JC-322 were above advisory limits for all spiking compounds.

	% RPD	Limit
Lindane	57%	15%
Heptachlor	57%	20%
Aldrin	72%	22%
Dieldrin	57%	18%
Endrin	57%	21%
4,4'-DDT	62%	27%

10) Sample Analysis

All ABN results were flagged "J" (estimated) and detection limits flagged "UJ" (undetected, estimated quantitation limit) for samples JC-316 and JC-322 due to out of limits recoveries for spiking compounds Pyrene and 2,4-Dinitrotoluene.

Reported values for 2-Methylphenol, isophorone and naphthalene were flagged "M" (presumptive identification). Masses greater than 10% relative intensity existing the sample spectra are not accounted for in the confirmation spectra.

Acetone results for the blanks and samples listed below were flagged "J" (estimated value) due to a RPD greater than 25% in the continuing calibration standards.

Blank 3	JC-314	JC-318	JC-322
Blank 4	JC-315	JC-319	JC-325
JC-309	JC-316	JC-320	
JC-313	JC-317	JC-321	

Methylene Chloride results for samples JC-303, JC-304 and JC-305 Were flagged "UJ"(undetected, estimated quantitation limit) where sample concentrations were less than 10 times the amount found in the blank (36ppb X 10 = 360 ppb).

The Acetone result sample JC-319 was flagged "J" (estimated). The value reported was below CRDL.

The Methylene Chloride result in sample JC-319 was flagged "J" (estimated) The raw quantitation value (the value before accounting for dilution) was 50% higher than the highest standard, and therefore outside of the established linear range. A second dilution run was not made.

Methylene Chloride and Benzene results for sample JC-328 were flagged "J" (estimated). The raw quantitation values (the values before accounting for dilution) were below the CRDL for those compounds.

The "B" flag was removed from the Tentatively Identified Compound (TIC) report (Form 1, Part B) for the volatiles samples listed below. The compound listed as "Unknown" at or near scan 290 was not quantitated on the blank sample TIC report.

JC-310	JC-313	JC-315	JC-324
JC-311	JC-314	JC-317	JC-326

The laboratory resubmitted volatile OADs forms for samples JC-319 and JC-328 to reflect higher detection limits for diluted samples.

Pesticide/PCB results for sample JC-322 were flagged "J" (estimated) and detection limits flagged "UJ" (undetected, estimated quantitation limit) due to out of limit RPDs for all spiking compounds.

Data Use

The usefulness of the data is based on the criteria in the "Laboratory Data Validation Functional Guidelines for Evaluating Organics (R-582-4-5-01) and Pesticides/PCB (R-582-55-01)".

Upon consideration of the data qualifications noted above, the ABN, Volatile and Pesticide/PCB data are ACCEPTABLE for use except where flagged with data qualifiers that modify the usefulness of the individual values.

Data Qualifiers

U - The material was analyzed for, but was not detected. The associated numerical value is an estimated sample quantitation limit.

J - The associated numerical value is an estimated quantity because quality control criteria were not met or concentrations reported were less than the CRQL.

R - Quality Control indicates that data are unusable (compound may or may not be present). Resampling and reanalysis are necessary for verification.

Q - No analytical result.

N - Presumptive evidence of presence of material (tentative identification).

B - The compound was found in the laboratory blank as well as the sample.

M - Mass spectral criteria for positive identification were not met. However, in the opinion of the laboratory, the identification is correct based on the analyst's professional judgement.

F - Concentration of this compound exceeds either the primary or secondary drinking water standard listed in the Safe Drinking Water Act of 1974.

GULF SOUTH RESEARCH INSTITUTE
Post Office Box 26518 New Orleans, Louisiana 70186 Telephone (504) 283-4223

May 15, 1987

Ms. Linda Boynton, Group Leader
U.S. Environmental Protection Agency
CLP Sample Management Office
P.O. Box 818
Alexandria, VA 22313

Subject: EPA Contract No. 68-01-7141
Case 6973
GSRI Project No. 6200-3020

Dear Ms. Boynton:

Please find enclosed resubmissions for the above subject case which were requested by Mr. Danny Hafferty of Ecology and Environment. They are as follows:

Form VIII - missing page 2
VOA Blank #6 - missing page (quantitation report)
Form VI - missing VOA Initial Calbiration
Form I, page 1 - corrected detection limits for samples JC-319 and JC-328
Form I, page 2 - corrected detection limits for SV Blank 4 and 5

Mr. Hafferty also noted a missing continuing calibration standard run on 3/20/87. The only standard which was run on that date was the initial standard.

If you have any questions please do not hesitate to call.

Sincerely,

Cindy Palazzo

Cindy Palazzo
Report Center Manager

cp
Enclosures

cc: Mr. Danny Hafferty - E&E
Region 10
EMSL/LV

Resubmission gp 5/15/87

Gulf South Research Inst.

Case: 6886 + 6973

Pesticide Evaluation Standards Summary
(Page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate

Report all standards, blanks and samples

SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff.	SMO Sample No.	Lab I.D.	Time of Analysis	Percent Diff.
	Eval A	12:04	0		4246A1		
	Eval B	12:41	0.037		4246A2		
	Eval C	13:17	0		4246A3		
	Pest A	18:15	0.037		4246A4		
	Pest B	18:58	0.18		4246A5		
	Toxaphene	19:35	0.22		4246A6		
	Chlordane	20:12	0.074		4246A7		
	PCB 1242	20:49	0.037		4246A8		
	PCB 1248	10:12	0.15		4246A9		
	PCB 1254	10:53	0		4246A10		
	PCB 1016/1260	11:30	0.037		4246A11		
22222	Hex BLK	12:07	NA		4246A12		
22222	WZ-03	12:43	NA		4246A13		
	XK-[illegible] Water Blk	13:20	0.3		4246A14		
	[illegible]	13:58	0.3		4246A15		
	XJ [illegible] Wood Blk	14:37	0.2		4246A16		
22222	XD [illegible] Blk	15:13	NA		4246A17		
	Eval B	15:50	0.63		4246A18		
22222	WZ-02MS	16126	NA		4246A19		
22222	WZ-02MSD	17:03	NA		4246A20		
	XJ-61	17:40	0.7	AJ	4246A21		
	XJ.62MS	18:16	0.6		4246A22		
	XJ-62MSD	18:53	0.5		4246A23		
	Pest A	19:29	0.44		4246A24		AJ
	Pest B	20:06	0.52		4246A25		
22222	XD-13	20:43	NA		4246A26		
22222	XD-13MS	06:49	NA		4246A27		
22222	XD-13MSD	07:26	NA		4246A28		
22222	XD-19	08:03	NA		4246A29		
22222	XD-34	08:39	NA		4246A30		
	Eval B	09:26	0.81		4246A31		
22222	XD-40	10:13	NA		4246A32		
22222	XD-46	11:00	NA		4246A33		
22222	XD-49	12:02	NA		4246A34		
22222	XD-52	13:04	NA		4246A35		
22222	XD-55	14:06	NA		4246A36		
	Pest A	15:08	0.55		4246A37		
	Pest B	15:44	0.81		4246A38		
JC-304	XH-08	16:21	0.7		4246A39		
JC-305	XH-14	16:57	0.7		4246A40		
JC-317	XJ-71	17:34	0.7		4246A50	A41	
JC-324	XJ-75	18:10	0.7		4246A51	A42	
JC-326	XJ-81	18:47	0.8		4246A52	A43	AJ
	Eval B	19:24	0.8		4246A53	A44	
JC-309	XK-03	20:00	0.7		4246A54	A45	
JC-318	XK-09	20:37	0.7		4246A46		
JC-319	XK-15	21:14	0.6		4246A47		
JC-320	XK-21	21:50	0.7		4246A48		
JC-321	XK-27	22:27	0.6		4246A49		
	Pest A	23:03	0.4		4246A50		
	Pest B	23:40	0.6		4246A51		
JC-322	XK-37	00:17	0.6		[illegible]		

Resubmission cp
5/15/87

Quantitation Report File: VB032587A

Data: VB032587A.TI
03/25/87 8:42:00
Sample: VOA BLANK #6 CASE 6973
Conds.: 1%SP-1000/CARB B 45/4-22028
Submitted by: EPA Analyst: GK

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

NO	NAME		
1	CI01	BROMOCHLOROMETHANE	(IS-1)
2	CI10	1,4-DIFLUOROBENZENE	(IS-2)
3	CI20	D5-CHLOROBENZENE	(IS-3)
4	CS15	D4-1,2-DICHLOROETHANE	(SS-1)
5	CS05	D8-TOLUENE	(SS-2)
6	CS10	4-BROMOFLUOROBENZENE	(SS-3)
7	CO35	ACETONE	
8	CO30	METHYLENE CHLORIDE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	212	10:36	1	1.000	A BB	41578.	50.000 UG/L	15.97
2	114	415	20:45	2	1.000	A BB	187755.	50.000 UG/L	15.97
3	117	512	25:36	3	1.000	A BB	157925.	50.000 UG/L	15.97
4	102	267	13:21	1	1.259	A BB	17752.	49.114 UG/L	15.68
5	98	488	24:24	3	0.953	A BB	309862.	51.090 UG/L	16.31
6	95	602	30:06	3	1.176	A BB	237089.	51.188 UG/L	16.35
7	43	155	7:45	1	0.731	A BB	6772.	10.028 UG/L	3.20
8	84	142	7:06	1	0.670	M XX	2982.	1.746 UG/L	0.56

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:33	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
2	20:48	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
3	25:39	1.00	1.000	1.00	50.00	50.00	1.000	1.000	1.00
4	13:24	1.00	1.270	0.99	49.11	50.00	0.427	0.435	0.98
5	24:27	1.00	0.953	1.00	51.09	50.00	1.962	1.920	1.02
6	30:12	1.00	1.177	1.00	51.19	50.00	1.501	1.466	1.02
7	7:39	1.01	0.725	1.01	10.03	50.00	0.163	0.812	0.20
8	7:00	1.01	0.664	1.01	1.75	50.00	0.072	2.054	0.03

DC-14-10-~~6973~~ 6973 dw

INITIAL CALIBRATION DATA - VOLATILE HSL COMPOUNDS

CASE NO. - 6973 : Resubmission sp 5/15/87

CONTRACT NO. 68-01-7141 CONTRACT LAB: GSRI

CALIBRATION DATE: 03/20/87 INSTRUMENT IDENTIFIER: INST A

MINIMUM MEAN RF FOR SPCC(**) IS 0.300 CHBR3 IS 0.250

MAXIMUM %RSD FOR CCC(*) IS 30%

LABORATORY ID

	COMPOUND	RF 20NG	RF 50NG	RF 100NG	RF 150NG	RF 200NG	MEAN RF	%RSD
C010	CHLOROMETHANE **	0.862	0.758	0.909	0.906	0.913	0.871	7.5
C015	BROMOMETHANE	1.406	1.268	1.421	1.336	1.123	1.311	9.2
C020	VINYLCHLORIDE*	0.947	0.846	1.027	0.959	0.858	0.927	8.1
C025	CHLOROETHANE	0.577	0.515	0.629	0.602	0.555	0.575	7.5
C030	METHYLENE CHLORIDE	2.195	1.825	1.926	1.852	1.913	1.942	7.5
C035	ACETONE	0.664	0.479	0.489	0.493	0.407	0.510	20.1
C040	CARBON DISULFIDE	3.456	3.142	4.035	4.002	3.673	3.662	10.2
C045	1,1-DICHLOROETHENE*	1.157	1.018	1.253	1.199	1.132	1.152	7.6
C050	1,1-DICHLOROETHANE**	3.042	2.813	3.189	3.053	2.766	3.033	8.0
C055	TRANS12DICHLOROETHENE	1.589	1.377	1.633	1.593	1.461	1.531	7.0
C060	CHLOROFORM*	3.422	2.961	3.349	3.263	2.977	3.194	6.6
C065	1,2-DICHLOROETHANE	0.178	0.159	0.171	0.173	0.155	0.167	5.7
C110	2-BUTANONE	0.035	0.032	0.036	0.035	0.028	0.033	9.9
C115	1,1,1-TRICHLOROETHANE	0.394	0.368	0.442	0.435	0.377	0.403	8.2
C120	CARBON TETRACHLORIDE	0.309	0.323	0.387	0.388	0.331	0.353	8.9
C125	VINYL ACETATE	0.637	0.609	0.605	0.599	0.490	0.588	9.6
C130	BROMODICHLOROMETHANE	0.046	0.046	0.050	0.051	0.043	0.047	6.8
C140	1,2-DICHLOROPROPANE*	0.562	0.512	0.523	0.504	0.422	0.505	10.1
C145	TRANS13DICHLOROPROPENE	0.433	0.405	0.416	0.419	0.351	0.405	7.8
C150	TRICHLOROETHENE	0.413	0.375	0.421	0.416	0.347	0.394	8.1
C155	DIBROMOCHLOROMETHANE	0.352	0.349	0.372	0.386	0.323	0.357	6.7
C160	1,1,2-TRICHLOROETHANE	0.396	0.367	0.371	0.377	0.316	0.366	8.1
C165	BENZENE	1.425	1.264	1.352	1.316	1.102	1.292	9.3
C170	CIS13DICHLOROPROPENE	0.819	0.764	0.798	0.790	0.655	0.765	8.4
C175	2CHLOROETHYLVINYLETHER	0.196	0.183	0.185	0.186	0.153	0.181	8.9
C180	BROMOFORM**	0.337	0.345	0.372	0.392	0.323	0.354	7.8
C215	2-HEXANONE	0.182	0.156	0.161	0.163	0.158	0.164	6.3
C210	4-METHYL-2-PENTANONE	0.185	0.159	0.162	0.163	0.153	0.164	7.2
C220	TETRACHLOROETHENE	0.412	0.367	0.445	0.433	0.391	0.410	7.6
C225	TETRACHLOROETHANE**	0.767	0.701	0.737	0.748	0.686	0.728	4.5
C230	TOLUENE*	0.975	0.855	0.986	0.965	0.887	0.934	6.3
C235	CHLOROBENZENE **	1.173	1.037	1.149	1.130	1.015	1.101	6.3
C240	ETHYLBENZENE*	0.588	0.517	0.596	0.581	0.518	0.560	6.9
C245	STYRENE	1.240	1.116	1.242	1.232	1.092	1.184	6.2
C250	M-XYLENE	0.741	0.667	0.783	0.762	0.683	0.727	6.8
C250	O& P XYLENE (MIXED)	0.707	0.655	0.738	0.731	0.654	0.697	5.8

FORM VI

Resubmission
5/15/87

Sample Number
J.C-319

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: Gulf South Research Institute
Case No: 6973
Lab Sample ID No: V0XK14DL
QC Report No: 256
Sample Matrix: Water
Contract No: 68-01-7141
Data Release Authorized By:
Date Sample Received: 3/21/87

Volatile Compounds

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 20. pH 8.51
Percent Moisture: (Not Decanted) NA

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	200 U
74-83-9	Bromomethane	200 U
75-01-4	Vinyl Chloride	200 U
75-00-3	Chloroethane	200 U
75-09-2	Methylene Chloride	6000 B
67-64-1	Acetone	160 BJ
75-15-0	Carbon Disulfide	100 U
75-35-4	1, 1-Dichloroethene	100 U
75-34-3	1, 1-Dichloroethane	100 U
156-60-5	Trans-1, 2-Dichloroethene	100 U
67-66-3	Chloroform	100 U
107-06-2	1, 2-Dichloroethane	100 U
78-93-3	2-Butanone	200 U
71-55-6	1, 1, 1-Trichloroethane	100 U
56-23-5	Carbon Tetrachloride	100 U
[illegible]-4	Vinyl Acetate	200 U
[illegible]-27-4	Bromodichloromethane	100 U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	100 U
10061-02-6	Trans-1, 3-Dichloropropene	100 U
79-01-6	Trichloroethene	100 U
124-48-1	Dibromochloromethane	100 U
79-00-5	1, 1, 2-Trichloroethane	100 U
71-43-2	Benzene	100 U
10061-01-5	cis-1, 3-Dichloropropene	100 U
110-75-8	2-Chloroethylvinylether	200 U
75-25-2	Bromoform	100 U
591-78-6	4-Methyl-2-Pentanone	200 U
108-10-1	2-Hexanone	200 U
127-18-4	Tetrachloroethene	100 U
79-34-5	1, 1, 2, 2-Tetrachloroethane	100 U
108-88-3	Toluene	100 U
108-90-7	Chlorobenzene	100 U
100-41-4	Ethylbenzene	100 U
100-42-5	Styrene	100 U
	Total Xylenes	100 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

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

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Resubmission GP
5/15/87

Sample Number
JC-328

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXK57DL
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7191
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: ~~MEDIUM~~ GP LOW
Date Extracted/Prepared: 3/25/87
Date Analyzed: 3/25/87
Dil Factor: 10.000 pH 7.04
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	100. U	78-87-5	1,2-Dichloropropane	50. U
74-83-9	Bromomethane	100. U	10061-02-6	Trans-1,3-Dichloroproene	50. U
75-01-4	Vinyl Chloride	100. U	79-01-6	Trichloroethene	1900 ~~50. U~~ GP
75-00-3	Chloroethane	100. U	124-48-1	Dibromochloromethane	50. U
75-09-2	Methylene Chloride	39.BJ ~~50. U~~ GP	79-00-5	1,1,2-Trichloroethane	50. U
67-64-1	Acetone	610B ~~100. U~~ GP	71-43-2	Benzene	325 ~~50. U~~ GP
75-15-0	Carbon Disulfide	50. U	10061-01-5	cis-1,3-Dichloropropene	50. U
75-35-4	1,1-Dichloroethene	110 ~~50. U~~ GP	110-75-8	2-Chloroethylvinylether	100. U
75-34-3	1,1-Dichloroethane	410 ~~50. U~~ GP	75-25-2	Bromoform	50. U
156-60-5	Trans-1,2-Dichloroethene	210 ~~50. U~~ GP	108-10-1	4-Methyl-2-Pentanone	1600 ~~100. U~~ GP
67-66-3	Chloroform	54 ~~50. U~~ GP	591-78-6	2-Hexanone	100. U
107-06-2	1,2-Dichloroethane	50. U	127-18-4	Tetrachloroethene	72 ~~50. U~~ GP
78-93-3	2-Butanone	100. U	79-34-5	1,1,2,2-Tetrachloroethane	50. U
71-55-6	1,1,1-Trichloroethane	1500 ~~50. U~~ GP	108-88-3	Toluene	1600 ~~50. U~~ GP
56-23-5	Carbon Tetrachloride	50. U	108-90-7	Chlorobenzene	50. U
108-05-4	Vinyl Acetate	100. U	100-41-4	Ethylbenzene	160 ~~50. U~~ GP
75-27-4	Bromodichloromethane	50. U	100-42-5	Styrene	50. U
				Total Xylenes	600 ~~50. U~~ GP

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Resubmission
CP 5/15/87

Laboratory Name: G S R I
Case No: 6973

Sample Number
SV BLANK #4

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/30/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	2.9J ~~10. U~~ CP
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Resubmission
gp 5/15/87

Laboratory Name: G S R I
Case No: 6973

Sample Number
SV BLANK #5

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/30/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF CONTRACT COMPLIANCE SCREENING (CCS)

Response To: (check one) [✓] Organics CCS

[ ] Inorganics CCS

Response materials sent to Organics CCS should be sent to the attention of Doris Ling, SMO.

Response materials sent to Inorganics CCS should be sent to the attention of Sa'ad Masri, SMO.

Laboratory Name: Gulf South Research Lab

Response Date: 4/15/87

Date Screening Results Received at Laboratory: 4/13/87

EPA Contract No.: 68-01-7141

Case No.: 6973

Sample Nos.*: VOA - JC-327 (H)

SV- JC-322MS (G)- no blank extracted with spike

Pest - See pg. 2.

*Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of Contract Compliance Screening (CCS). A separate form must accompany the response for each Case.

Please indicate (on the attached continuation form) which fractions and/or which criteria correspond with your resubmission. Response materials sent to CCS should also be copied to the Region and to EMSL/LV, each with this blue Cover Sheet.

6/5/86

(504) 283-4223

In Reference to Case No(s): 6973

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: 12 May 1987

Laboratory Name: Gulf South Research

Lab Contact: Richard Whitney

Region: 10

Regional Contact: Andrew Haffety

Call Initiated By: ____ Laboratory X Region

In reference to data for the following sample number(s):
JC 303 - JC 331

Summary of Questions/Issues Discussed:
1) Missing page 2 of pesticide evaluation standards summary for Samples 304, 305, 309, 316, 317, 318, 319, 320, 321, 324, 326
2) JC319 VOA detection limits do not reflect 1/20 dilution
3) JC327 VOA detection limits do not reflect 1/10 dilution
4) missing QUAN response factors for VOA initial calibration
5) missing contin. calib. for 3/20/87 VOAs
6) Blank #6 missing QUAN report for VOAs
7) Blanks #4 & 5 detection limits 35x to high - why ABN

Summary of Resolution:

Signature

Date

Distribution: (1)Lab Copy, (2)Region Copy, (3)SMO Copy

ORGANICS

LABORATORY RESPONSE TO RESULTS OF CCS (continued)

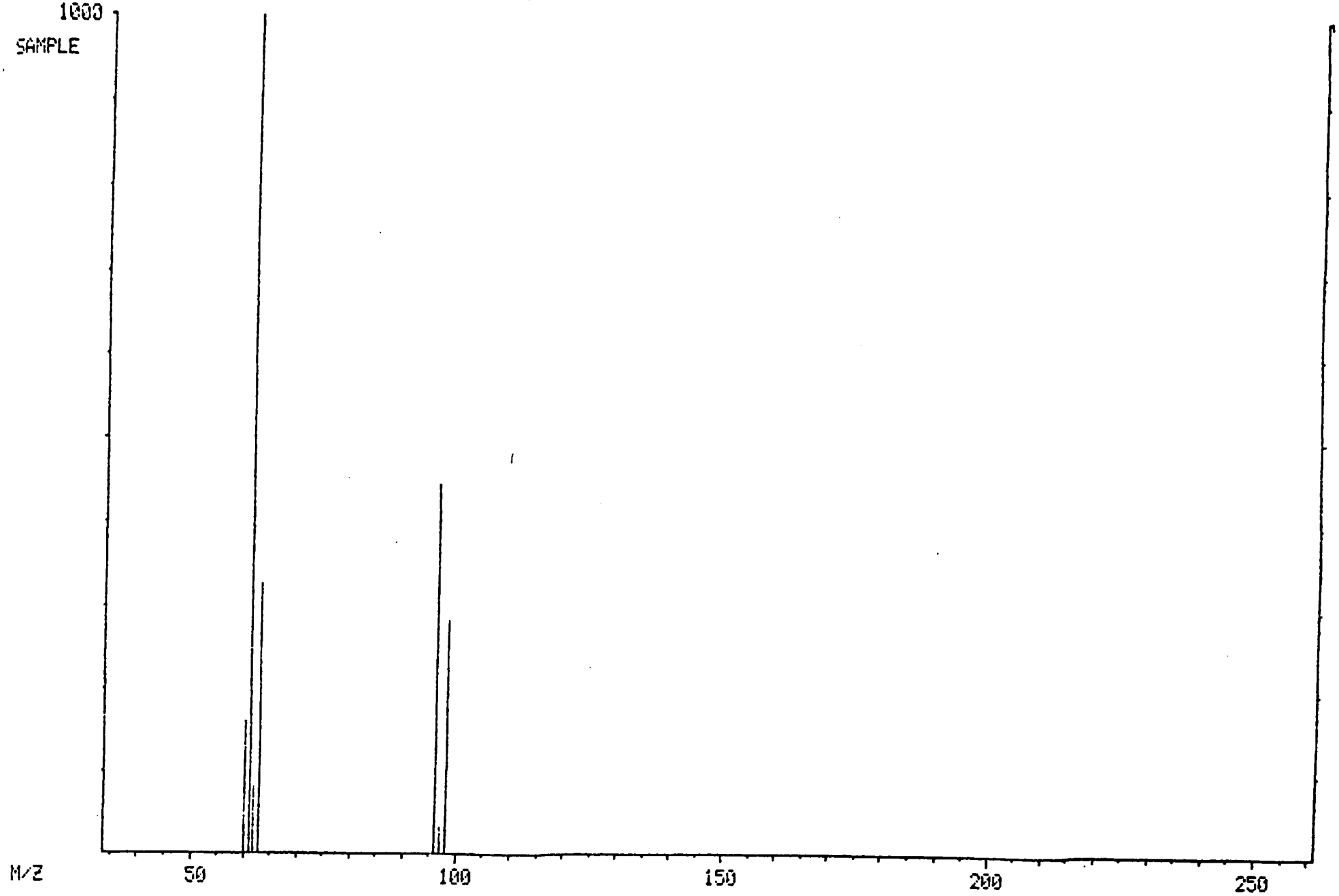
Sample	Fraction	Criterion	Comments
JC-303	Pest	B, B1, I, J	B1, I, J, K – Form VIII for run 4246A
JC-304		B, B1, K	K9 has a second page 2. In the future
JC-305		B, B1, K	we will remember the page 1 of ? if
JC-306		B, B1,	more than one page 2 is required.
JC-307		B, B1,	
JC-308		B, B1,	
JC-309		B1, K	
JC-310		B, B1,	
JC-311		B, B1,	
JC-312		B, B1,	
JC-313		B, B1,	
JC-314		B, B1,	
JC-315		B, B1,	
JC-316		B, B1, K	
JC-317		B, B1, K	
JC-318		B1, K	
JC-319		B1, K	
JC-320		B1, K	
JC-321		B1, K	
JC-322		B1, K	
JC-323		B1, K	
JC-324		B, B1, K	
JC-326		B, B1, K	
JC-327		B1, I, J	
JC-328		B1, I, J	
JC-330		B1, I, J	
JC-316MS		B, B1, K	
JC-316MSD		B, B1, K	
JC-322 MS		B1, I, J	
JC-322MSD		B1, I, J	

Sample: JC-327 Case 6973

LIBRARY SEARCH

DATA: LIBRARYVR: 11 BASE M/Z: 61
M.WT.: 850

SAMPLE:C045 1,1-DICHLOROETHENE*



Resubmission 4/14/87 ah

Resubmission cp
4/15/87

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: Blank

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One) cp

Date Extracted/Prepared: ~~3/20/87~~ 3/22/87

Date Analyzed: 3-28-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Sample Number
JC-303

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XH06
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/19/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/20/87
Conc/Dil Factor: 1. pH 7.93
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane . . .	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene .	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane . . .	5.0U
75-09-2	Methylene Chloride . .	36BW ~~5.0U~~ 9P	79-00-5	1,1,2-Trichloroethane . .	5.0U
67-64-1	Acetone	567JB ~~10. U~~ 9P	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene .	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether .	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene .	5.0U	108-10-1	4-Methyl-2-Pentanone . . .	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane . .	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride . . .	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane . . .	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

JEA 6/5/87

Form I

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-303

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-303

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-303

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
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30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-304

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXH12
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/19/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 8.01
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	38.4JB ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	60JB ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

JEN 6/5/87

Form I

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-304

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-304

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l) or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-304

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-305

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0XH18
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/19/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.98
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	33 B U ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	56 JB ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

JEH 6/5/87

Form I

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-305

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/17
Date Analyzed: 3/27/17
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
98-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-305

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l) or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-305

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
5.				
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30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-306

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ01
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.98
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.1J ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-306

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-306

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-306

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected			
2. NA	none detected	VOA	NA	NA
3.		SV	NA	NA
4.				
5.				
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30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-307

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJØ8
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.61
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.4J ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-307

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	9.5 ~~10. U~~
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-307

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JL-307

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	None Detected	SV	NA	NA
3.				
4.				
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30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-308

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXJ13
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.80
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	6.2 ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-308

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/20/87
Date Analyzed: 3/29/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-308

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/20/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l) or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 500 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-308

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	None Detected	SV	NA	NA
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-309

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXK01
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.78
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	15 B	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	4.4JB ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-309

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/26/87
Date Analyzed: 3/29/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC 309

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-309

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	None Detected	SV	NA	NA
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-310

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0X519
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By:
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.67
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	.59 ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	2.1J ~~5.0U~~ GP	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	2.6J ~~5.0U~~ GP
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-310

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/25/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-310

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l) or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.1U
319-85-7	Beta-BHC	0.1U
319-86-8	Delta-BHC	0.1U
58-89-9	Gamma-BHC (Lindane)	0.1U
76-44-8	Heptachlor	0.1U
309-00-2	Aldrin	0.1U
1024-57-3	Heptachlor Epoxide	0.1U
959-98-8	Endosulfan I	0.1U
60-57-1	Dieldrin	0.2U
72-55-9	4, 4'-DDE	0.2U
72-20-8	Endrin	0.2U
33213-65-9	Endosulfan II	0.2U
72-54-8	4, 4'-DDD	0.2U
1031-07-8	Endosulfan Sulfate	0.2U
50-29-3	4, 4'-DDT	0.2U
72-43-5	Methoxychlor	1.0U
53494-70-5	Endrin Ketone	0.2U
57-74-9	Chlordane	1.0U
8001-35-2	Toxaphene	2.0U
12674-11-2	Aroclor-1016	1.0U
11104-28-2	Aroclor-1221	1.0U
11141-16-5	Aroclor-1232	1.0U
53469-21-9	Aroclor-1242	1.0U
12672-29-6	Aroclor-1248	1.0U
11097-69-1	Aroclor-1254	2.0U
11096-82-5	Aroclor-1260	2.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-310

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None detected	VOA	NA	NA
2. NA	N/I	SV	290	4 J
3. NA	1-propene, trichloro-	SV	415	15 J
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JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-311

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ26
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.76
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane . . .	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene .	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane . . .	5.0U
75-09-2	Methylene Chloride	12 ~~5.0U~~	79-00-5	1,1,2-Trichloroethane . .	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene .	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether .	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene .	5.0U	108-10-1	4-Methyl-2-Pentanone . . .	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane . .	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride . . .	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane . . .	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
Case No: 6973

Sample Number
JC-311

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-311

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-311

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	N/I	SV	289	30J ~~B~~
3. NA	1-propene, trichloro-	SV	415	20JB
4. NA	N/I	SV	1701	15J
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6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-3/2

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ32
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/21/87
Date Analyzed: 3/21/87
Conc/Dil Factor: 1. pH 7.56
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.3J ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
Case No: 6973

Sample Number
JC-312

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
)ate Extracted/Prepared: 3/23/87
)ate Analyzed: 3/28/87
Conc/Dil Factor: 1.
?ercent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
.11-44-4	bis(2-Chloroethyl)Ether	10. U
)5-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
.06-46-7	1,4-Dichlorobenzene	10. U
.00-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
7-72-1	Hexachloroethane	10. U
8-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
8-75-5	2-Nitrophenol	10. U
05-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
20-83-2	2,4-Dichlorophenol	10. U
.20-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
06-47-8	4-Chloroaniline	10. U
7-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
1-58-7	2-Chloronaphthalene	10. U
8-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
9-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-312

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-312

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None detected	VOA	NA	NA
2. NA	1-propene, trichloro-	SV	405	9JB
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-313

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ37
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.75
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	9.1B ~~5.0U~~ gp	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	3.35B ~~10. U~~ gp	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-313

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/28/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-313

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3/30/87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-313

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	N/I	SV	290	10 J ~~B~~
3. NA	1-propene, trichloro-	SV	415	10 J B
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abw

JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-314

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0XJ43
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By:
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.78
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	7.3B ~~5.0U~~ CP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	2.3JB ~~10. U~~ CP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-314

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/28/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-314

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-314

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	N/I	SV	290	8 J ~~B~~
3. NA	1-propene, trichloro-	SV	415	20 JB
4. NA	Unknown halogenated organics	SV	868	10 J
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JEA 6/15/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-315

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ50
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 8.30
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	1.8JB ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	5.4JB ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
Case No: 6973

Sample Number
JC-315

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
)ate Extracted/Prepared: 3/23/87
)ate Analyzed: 3/28/87
Conc/Dil Factor: 1.
?ercent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether .	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene . . .	10. U
106-46-7	1,4-Dichlorobenzene . . .	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene . . .	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene . .	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene . . .	10. U
59-50-7	4-Chloro-3-Methylphenol .	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol . .	10. U
95-95-4	2,4,5-Trichlorophenol . .	50. U
91-58-7	2-Chloronaphthalene . . .	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate . . .	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate . . .	10. U
91-94-1	3,3'-Dichlorobenzidine . .	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate . . .	10. U
205-99-2	Benzo(b)Fluoranthene . . .	10. U
207-08-9	Benzo(k)Fluoranthene . . .	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene . .	10. U
53-70-3	Dibenz(a,h)Anthracene . .	10. U
191-24-2	Benzo(g,h,i)Perylene . . .	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-315

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-3N

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	N/I	SV	290	6J
3. NA	1-propene, trichloro-	SV	416	15J
4. NA	~~Unk HC~~ unknown halogenated organic	SV	867	5J
5.	plr 5/30/87			
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JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-316

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0XJ57
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.65
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	.15B ~~5.0U~~ CP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	6.0JB ~~10. U~~ CP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-316

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: ~~3/22/87~~ 3/28/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10 JU	83-32-9	Acenaphthene	10 JU
111-44-4	bis(2-Chloroethyl)Ether	10 JU	51-28-5	2,4-Dinitrophenol	50 JU
95-57-8	2-Chlorophenol	10 JU	100-02-7	4-Nitrophenol	50 JU
541-73-1	1,3-Dichlorobenzene	10 JU	132-64-9	Dibenzofuran	10 JU
106-46-7	1,4-Dichlorobenzene	10 JU	121-14-2	2,4-Dinitrotoluene	10 JU
100-51-6	Benzyl Alcohol	10 JU	606-20-2	2,6-Dinitrotoluene	10 JU
95-50-1	1,2-Dichlorobenzene	10 JU	84-66-2	Diethylphthalate	10 JU
95-48-7	2-Methylphenol	10 JU	7005-72-3	4-Chlorophenyl-phenylether	10 JU
39638-32-9	bis(2-Chloroisopropyl)Ether	10 JU	86-73-7	Fluorene	10 JU
106-44-5	4-Methylphenol	10 JU	100-01-6	4-Nitroaniline	50 JU
621-64-7	N-Nitroso-Di-n-Propylamine	10 JU	534-52-1	4,6-Dinitro-2-Methylphenol	50 JU
67-72-1	Hexachloroethane	10 JU	86-30-6	N-Nitrosodiphenylamine (1)	10 JU
98-95-3	Nitrobenzene	10 JU	101-55-3	4-Bromophenyl-phenylether	10 JU
78-59-1	Isophorone	10 JU	118-74-1	Hexachlorobenzene	10 JU
88-75-5	2-Nitrophenol	10 JU	87-86-5	Pentachlorophenol	50 JU
105-67-9	2,4-Dimethylphenol	10 JU	85-01-8	Phenanthrene	10 JU
65-85-0	Benzoic Acid	50 JU	120-12-7	Anthracene	10 JU
111-91-1	bis(2-Chloroethoxy)Methane	10 JU	84-74-2	Di-n-Butylphthalate	10 JU
120-83-2	2,4-Dichlorophenol	10 JU	206-44-0	Fluoranthene	10 JU
120-82-1	1,2,4-Trichlorobenzene	10 JU	129-00-0	Pyrene	10 JU
91-20-3	Naphthalene	10 JU	85-68-7	Butylbenzylphthalate	10 JU
106-47-8	4-Chloroaniline	10 JU	91-94-1	3,3'-Dichlorobenzidine	20 JU
87-68-3	Hexachlorobutadiene	10 JU	56-55-3	Benzo(a)Anthracene	10 JU
59-50-7	4-Chloro-3-Methylphenol	10 JU	117-81-7	bis(2-Ethylhexyl)Phthalate	10 JU
91-57-6	Methylnapthalene	10 JU	218-01-9	Chrysene	10 JU
77-47-4	Hexachlorocyclopentadiene	10 JU	117-84-0	Di-n-Octyl Phthalate	10 JU
88-06-2	2,4,6-Trichlorophenol	10 JU	205-99-2	Benzo(b)Fluoranthene	10 JU
95-95-4	2,4,5-Trichlorophenol	50 JU	207-08-9	Benzo(k)Fluoranthene	10 JU
91-58-7	2-Chloronaphthalene	10 JU	50-32-8	Benzo(a)Pyrene	10 JU
88-74-4	2-Nitroaniline	50 JU	193-39-5	Indeno(1,2,3-cd)Pyrene	10 JU
131-11-3	Dimethyl Phthalate	10 JU	53-70-3	Dibenz(a,h)Anthracene	10 JU
208-96-8	Acenaphthylene	10 JU	191-24-2	Benzo(g,h,i)Perylene	10 JU
99-09-2	3-Nitroaniline	50 JU			

(1) - Cannot be separated from diphenylamine

Form I

EZH 6/5/87

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-316

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-28-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-316

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NH	None Detected	VOH	NH	NH
2. NH	None Detected	SV	NA	NH
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-317

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ69
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.76
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	1.8B ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	2.1JB ~~10. U~~ GP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-317

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-317

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-25-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-317

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	N/I	SV	290	4 J ~~B~~
3. NA	1-propene, trichloro -	SV	415	20 JB
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JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-318

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: VOXK08
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH 7.69
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	.18B ~~5.0U~~ CP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	6.05B ~~10. U~~ CP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-318

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/30/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
98-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC 319

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-318

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	None Detected	SV	NA	NA
3.				
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30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-319

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XK14DL
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: ~~3/24~~ 3/24/87
Conc/Dil Factor: 1. pH 8.51
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	6000BJ ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	160BJ ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

6/5/87

.aboratory Name: G S R I
:ase No: 6973

Sample Number
JC-319

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
)ate Extracted/Prepared: 3/26/87
)ate Analyzed: 3/29/87
Conc/Dil Factor: 1.
ercent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
.11-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
:5-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
06-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
00-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
.06-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
7-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
8-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
8-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
05-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
20-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
.20-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
06-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
7-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
1-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
8-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
9-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC 319

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-319

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	none detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-320

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: VOXK19
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH 8.39
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	21B ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	3.15B ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
:ase No: 6973

Sample Number
JC-320

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/26/87
Date Analyzed: 3/29/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
11-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
5-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
06-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
00-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
5-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
7-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
8-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
8-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
05-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
20-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
20-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
06-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
7-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
1-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
1-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
8-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
08-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
9-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-320

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC - 320

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	none detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-321

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: VOXR26
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH 7.62
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.45B ~~5.0U~~ CP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	12B ~~10. U~~ CP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

JEZ 6/5/87

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-321

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/26/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-321

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-321

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	none detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
5.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-322

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXK31
Sample Matrix: WATER
Data Release Authorized By: [signature]

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH 7.85
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	2.1JB ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	5.8JB ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Form I

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-322

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/26/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10 J U	83-32-9	Acenaphthene	10 J U
111-44-4	bis(2-Chloroethyl)Ether	10 J U	51-28-5	2,4-Dinitrophenol	50 J U
95-57-8	2-Chlorophenol	10 J U	100-02-7	4-Nitrophenol	50 J U
541-73-1	1,3-Dichlorobenzene	10 J U	132-64-9	Dibenzofuran	10 J U
106-46-7	1,4-Dichlorobenzene	10 J U	121-14-2	2,4-Dinitrotoluene	10 J U
100-51-6	Benzyl Alcohol	10 J U	606-20-2	2,6-Dinitrotoluene	10 J U
95-50-1	1,2-Dichlorobenzene	10 J U	84-66-2	Diethylphthalate	10 J U
95-48-7	2-Methylphenol	10 J U	7005-72-3	4-Chlorophenyl-phenylether	10 J U
39638-32-9	bis(2-Chloroisopropyl)Ether	10 J U	86-73-7	Fluorene	10 J U
106-44-5	4-Methylphenol	10 J U	100-01-6	4-Nitroaniline	50 J U
621-64-7	N-Nitroso-Di-n-Propylamine	10 J U	534-52-1	4,6-Dinitro-2-Methylphenol	50 J U
67-72-1	Hexachloroethane	10 J U	86-30-6	N-Nitrosodiphenylamine (1)	10 J U
98-95-3	Nitrobenzene	10 J U	101-55-3	4-Bromophenyl-phenylether	10 J U
78-59-1	Isophorone	10 J U	118-74-1	Hexachlorobenzene	10 J U
88-75-5	2-Nitrophenol	10 J U	87-86-5	Pentachlorophenol	50 J U
105-67-9	2,4-Dimethylphenol	10 J U	85-01-8	Phenanthrene	10 J U
65-85-0	Benzoic Acid	50 J U	120-12-7	Anthracene	10 J U
111-91-1	bis(2-Chloroethoxy)Methane	10 J U	84-74-2	Di-n-Butylphthalate	10 J U
120-83-2	2,4-Dichlorophenol	10 J U	206-44-0	Fluoranthene	10 J U
120-82-1	1,2,4-Trichlorobenzene	10 J U	129-00-0	Pyrene	10 J U
91-20-3	Naphthalene	10 J U	85-68-7	Butylbenzylphthalate	10 J U
106-47-8	4-Chloroaniline	10 J U	91-94-1	3,3'-Dichlorobenzidine	20 J U
87-68-3	Hexachlorobutadiene	10 J U	56-55-3	Benzo(a)Anthracene	10 J U
59-50-7	4-Chloro-3-Methylphenol	10 J U	117-81-7	bis(2-Ethylhexyl)Phthalate	10 J U
91-57-6	Methylnapthalene	10 J U	218-01-9	Chrysene	10 J U
77-47-4	Hexachlorocyclopentadiene	10 J U	117-84-0	Di-n-Octyl Phthalate	10 J U
88-06-2	2,4,6-Trichlorophenol	10 J U	205-99-2	Benzo(b)Fluoranthene	10 J U
95-95-4	2,4,5-Trichlorophenol	50 J U	207-08-9	Benzo(k)Fluoranthene	10 J U
91-58-7	2-Chloronaphthalene	10 J U	50-32-8	Benzo(a)Pyrene	10 J U
88-74-4	2-Nitroaniline	50 J U	193-39-5	Indeno(1,2,3-cd)Pyrene	10 J U
131-11-3	Dimethyl Phthalate	10 J U	53-70-3	Dibenz(a,h)Anthracene	10 J U
208-96-8	Acenaphthylene	10 J U	191-24-2	Benzo(g,h,i)Perylene	10 J U
99-09-2	3-Nitroaniline	50 J U			

(1) - Cannot be separated from diphenylamine

Form I

EEA 6/5/87

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-322

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05UJ
319-85-7	Beta-BHC	0.05UJ
319-86-8	Delta-BHC	0.05UJ
58-89-9	Gamma-BHC (Lindane)	0.05UJ
76-44-8	Heptachlor	0.05UJ
309-00-2	Aldrin	0.05UJ
1024-57-3	Heptachlor Epoxide	0.05UJ
959-98-8	Endosulfan I	0.05UJ
60-57-1	Dieldrin	0.10UJ
72-55-9	4, 4'-DDE	0.10UJ
72-20-8	Endrin	0.10UJ
33213-65-9	Endosulfan II	0.10UJ
72-54-8	4, 4'-DDD	0.10UJ
1031-07-8	Endosulfan Sulfate	0.10UJ
50-29-3	4, 4'-DDT	0.10UJ
72-43-5	Methoxychlor	0.05UJ
53494-70-5	Endrin Ketone	0.10UJ
57-74-9	Chlordane	0.05UJ
8001-35-2	Toxaphene	1.0UJ
12674-11-2	Aroclor-1016	0.5UJ
11104-28-2	Aroclor-1221	0.5UJ
11141-16-5	Aroclor-1232	0.5UJ
53469-21-9	Aroclor-1242	0.5UJ
12672-29-6	Aroclor-1248	0.5UJ
11097-69-1	Aroclor-1254	1.0UJ
11096-82-5	Aroclor-1260	1.0UJ

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

JEA 6/5/87

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-322

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	none detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
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29.				
30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-323

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: VOXK45
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH 7.88
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	10. U	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	4.25B ~~5.0U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	7.95B ~~10. U~~	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	5.0U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	10. U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	5.0U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	10. U	100-42-5	Styrene	5.0U
		5.0U		Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
:ase No: 6973

Sample Number
JC-323

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
)ate Extracted/Prepared: 3/26/87
)ate Analyzed: 3/30/87
Conc/Dil Factor: 1.
"ercent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
11-44-4	bis(2-Chloroethyl)Ether	10. U
5-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
06-46-7	1,4-Dichlorobenzene	10. U
00-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U
06-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
7-72-1	Hexachloroethane	10. U
8-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
8-75-5	2-Nitrophenol	10. U
05-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
20-83-2	2,4-Dichlorophenol	10. U
20-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
06-47-8	4-Chloroaniline	10. U
7-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
1-58-7	2-Chloronaphthalene	10. U
8-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
9-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-323

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-323

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	none detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-324

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No:
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS Analysis Not Required

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed:
Conc/Dil Factor: 1. pH 8.43
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	5.0U	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
:ase No: 6973

Sample Number
JC-324

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
)ate Extracted/Prepared: 3/23/87
)ate Analyzed: 3/28/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes _X_ No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction _X_ Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
11-44-4	bis(2-Chloroethyl)Ether	10. U
5-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
06-46-7	1,4-Dichlorobenzene	10. U
00-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	10. U
95-48-7	2-Methylphenol	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U
.06-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
7-72-1	Hexachloroethane	10. U
8-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	10. U
8-75-5	2-Nitrophenol	10. U
05-67-9	2,4-Dimethylphenol	10. U
5-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
20-83-2	2,4-Dichlorophenol	10. U
20-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	10. U
06-47-8	4-Chloroaniline	10. U
7-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U
8-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
1-58-7	2-Chloronaphthalene	10. U
8-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
08-96-8	Acenaphthylene	10. U
9-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC 324

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-324

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	Analysis Not Required	VOA	NA	NA
2. NA	N/I	SV	289	4 J ~~B~~
3. NA	1-propene, trichloro-	SV	414	15 J B
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JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-325

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XJ80
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/23/87
Conc/Dil Factor: 1. pH
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	17B ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	8.4J ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-325

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds Analysis Not Required

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: NA

Date Analyzed:

Conc/Dil Factor:

Percent Moisture (Decanted)

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l) or ug/Kg (Circle One)
108-95-2	Phenol	
111-44-4	bis(-2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichlorobenzene	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2. 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(-2-Chloroethoxy)Methane	
120-83-2	2. 4-Dichlorophenol	
120-82-1	1. 2. 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2. 4. 6-Trichlorophenol	
95-95-4	2. 4. 5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	
99-09-2	3-Nitroaniline	

CAS Number		(ug/l) or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2. 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2 4-Dinitrotoluene	
606-20-2	2. 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4. 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3. 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1. 2. 3-cd)Pyrene	
53-70-3	Dibenzo(a h)Anthracene	
191-24-2	Benzo(g h i)Perylene	

(1)-Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-325

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs Analysis Not Required

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: NA

Date Analyzed:

Conc/Dil Factor:

Percent Moisture (decanted)

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4, 4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4, 4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4, 4'-DDT	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	
8001-35-2	Toxaphene	
12674-11-2	Aroclor-1016	
11104-28-2	Aroclor-1221	
11141-16-5	Aroclor-1232	
53469-21-9	Aroclor-1242	
12672-29-6	Aroclor-1248	
11097-69-1	Aroclor-1254	
11096-82-5	Aroclor-1260	

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s NA or W_s NA V_t NA V_i NA

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-325

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	Analysis Not Required	SV	NA	NA
3.				
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Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-324326
GP

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No:
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By:
Date Sample Received: 3/20/87

VOLATILE COMPOUNDS Analysis Not Required

Concentration: LOW
Date Extracted/Prepared:
Date Analyzed:
Conc/Dil Factor: 1. pH 8.21
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	5.0U	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	10. U	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-326

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/23/87
Date Analyzed: 3/27/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC 326

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/22/87

Date Analyzed: 3-29-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-326

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	Analysis Not Required	VOA	NA	NA
2. NA	N/I	SV	289	5 J ~~B~~
3. NA	1-propene, trichloro-	SV	415	16 JB
4. NA	unknown halogenated organic	SV	867	5 J
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JEA 6/5/87

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-327

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0XK51
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By:
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH 7.85
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	110 ~~5.0U~~ GP
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.5JB ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	5.6JB ~~10. U~~ GP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.7 ~~5.0U~~ GP	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	.29 ~~5.0U~~ GP	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	.15 ~~5.0U~~ GP	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	.13 ~~5.0U~~ GP	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	2.9J ~~5.0U~~ GP
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	.89 ~~5.0U~~ GP	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

.aboratory Name: G S R I
:ase No: 6973

Sample Number
JC - 327

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
ate Extracted/Prepared: 3/26/87
. ate Analyzed: 3/29/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
11-44-4	bis(2-Chloroethyl)Ether .	10. U	51-28-5	2,4-Dinitrophenol	50. U
.5-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene . . .	10. U	132-64-9	Dibenzofuran	10. U
06-46-7	1,4-Dichlorobenzene . . .	10. U	121-14-2	2,4-Dinitrotoluene	10. U
00-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene . . .	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
9638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
7-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
8-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
8-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
05-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate . . .	10. U
20-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
.20-82-1	1,2,4-Trichlorobenzene . .	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate . . .	10. U
06-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine . .	20. U
7-68-3	Hexachlorobutadiene . . .	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol .	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
7-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate . . .	10. U
88-06-2	2,4,6-Trichlorophenol . .	10. U	205-99-2	Benzo(b)Fluoranthene . . .	10. U
95-95-4	2,4,5-Trichlorophenol . .	50. U	207-08-9	Benzo(k)Fluoranthene . . .	10. U
1-58-7	2-Chloronaphthalene . . .	10. U	50-32-8	Benzo(a)Pyrene	10. U
8-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene . .	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene . .	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene . . .	10. U
9-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Form I

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-327

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 19000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-327

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 76-13-1	Ethane, 1,1,2-trichloro-1,2,2-trifluoro	VOA	260	8 J
2.				
3. NA	none detected	SV	NA	NA
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28.				
29.				
30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-328

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XK57DL
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/25/87
Date Analyzed: 3/25/87
Conc/Dil Factor: 1. pH 7.04
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	1900 ~~5.0U~~ GP
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	39 J ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	610 B ~~10. U~~ GP	71-43-2	Benzene	32 J ~~5.0U~~ GP
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	110 ~~5.0U~~ GP	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	410 ~~5.0U~~ GP	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	210 ~~5.0U~~ GP	108-10-1	4-Methyl-2-Pentanone	1600 ~~10. U~~ GP
67-66-3	Chloroform	54 ~~5.0U~~ GP	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	72 ~~5.0U~~ GP
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	1500 ~~5.0U~~ GP	108-88-3	Toluene	1600 ~~5.0U~~ GP
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	160 ~~5.0U~~ GP
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	600 ~~5.0U~~ GP

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

JEA 6/5/87

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-328

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/30/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L
108-95-2	Phenol	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U
95-57-8	2-Chlorophenol	10. U
541-73-1	1,3-Dichlorobenzene	10. U
106-46-7	1,4-Dichlorobenzene	10. U
100-51-6	Benzyl Alcohol	10. U
95-50-1	1,2-Dichlorobenzene	3.5J ~~10. U~~
95-48-7	2-Methylphenol	4.9JM ~~10. U~~
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U
106-44-5	4-Methylphenol	10. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U
67-72-1	Hexachloroethane	10. U
98-95-3	Nitrobenzene	10. U
78-59-1	Isophorone	4.5JM ~~10. U~~
88-75-5	2-Nitrophenol	10. U
105-67-9	2,4-Dimethylphenol	10. U
65-85-0	Benzoic Acid	50. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U
120-83-2	2,4-Dichlorophenol	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U
91-20-3	Naphthalene	1.7JM ~~10. U~~
106-47-8	4-Chloroaniline	10. U
87-68-3	Hexachlorobutadiene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U
91-57-6	Methylnapthalene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U
88-06-2	2,4,6-Trichlorophenol	10. U
95-95-4	2,4,5-Trichlorophenol	50. U
91-58-7	2-Chloronaphthalene	10. U
88-74-4	2-Nitroaniline	50. U
131-11-3	Dimethyl Phthalate	10. U
208-96-8	Acenaphthylene	10. U
99-09-2	3-Nitroaniline	50. U

CAS Number		UG/L
83-32-9	Acenaphthene	10. U
51-28-5	2,4-Dinitrophenol	50. U
100-02-7	4-Nitrophenol	50. U
132-64-9	Dibenzofuran	10. U
121-14-2	2,4-Dinitrotoluene	10. U
606-20-2	2,6-Dinitrotoluene	10. U
84-66-2	Diethylphthalate	10. U
7005-72-3	4-Chlorophenyl-phenylether	10. U
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. U
534-52-1	4,6-Dinitro-2-Methylphenol	50. U
86-30-6	N-Nitrosodiphenylamine (1)	10. U
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Hexachlorobenzene	10. U
87-86-5	Pentachlorophenol	50. U
85-01-8	Phenanthrene	10. U
120-12-7	Anthracene	10. U
84-74-2	Di-n-Butylphthalate	10. U
206-44-0	Fluoranthene	10. U
129-00-0	Pyrene	10. U
85-68-7	Butylbenzylphthalate	10. U
91-94-1	3,3'-Dichlorobenzidine	20. U
56-55-3	Benzo(a)Anthracene	10. U
117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
218-01-9	Chrysene	10. U
117-84-0	Di-n-Octyl Phthalate	10. U
205-99-2	Benzo(b)Fluoranthene	10. U
207-08-9	Benzo(k)Fluoranthene	10. U
50-32-8	Benzo(a)Pyrene	10. U
193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
53-70-3	Dibenz(a,h)Anthracene	10. U
191-24-2	Benzo(g,h,i)Perylene	10. U

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-328

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4,4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4,4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4,4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-328(DL)

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. 75-43-4	Methane, Dichlorofluoro	VOA	125	11J
2. 76-13-1	Ethane, 1,1,2-Trichloro-1,2,2-Trifluoro	VOA	262	65J
3.				
4. NA	Unk HC	SV	318	5J
5. NA	benzene, dimethyl-	SV	333	84J
6. NA	N/I	SV	359	3J
7. NA	N/I	SV	365	17J
8. 98-82-8	benzene, (1-methylethyl)-	SV	379	4J
9. 103-65-1	benzene, propyl-	SV	418	8J
10. NA	benzene, ethyl-methyl-	SV	428	38J
11. NA	benzene, trimethyl-	SV	436	15J
12. NA	benzene, trimethyl-	SV	465	23J
13. NA	benzene, trimethyl-	SV	498	7J
14. 873-94-9	cyclohexanone, 3,3,5-trimethyl-	SV	515	23J
15. NA	N/I	SV	529	3J
16. NA	N/I	SV	536	6J
17. 78-59-1	2-cyclohexen-1-one, 3,5,5-trimethyl-	SV	596	11J
18. NA	N/I	SV	610	6J
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-330R

ORGANICS ANALYSIS DATA SHEET

(Page 1)

Laboratory Name: G S R I
Lab Sample ID No: V0XK63R
Sample Matrix: WATER
Data Release Authorized By:

Case No: 6973
QC Report No: 256
Contract No: 68-01-7141
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/25/87
Date Analyzed: 3/25/87
Conc/Dil Factor: 1. pH 7.64
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	4.3 J_B ~~5.0U~~ GP	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	6.1 J_B ~~10. U~~ GP	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

Laboratory Name: G S R I
Case No: 6973

Sample Number
JC-330

ORGANICS ANALYSIS DATA SHEET
(Page 2)

SEMIVOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/26/87
Date Analyzed: 3/30/87
Conc/Dil Factor: 1.
Percent Moisture: (Decanted) NA

GPC Cleanup ___ Yes X No
Separatory Funnel Extraction ___ Yes
Continuous Liquid-Liquid Extraction X Yes

CAS Number		UG/L	CAS Number		UG/L
108-95-2	Phenol	10. U	83-32-9	Acenaphthene	10. U
111-44-4	bis(2-Chloroethyl)Ether	10. U	51-28-5	2,4-Dinitrophenol	50. U
95-57-8	2-Chlorophenol	10. U	100-02-7	4-Nitrophenol	50. U
541-73-1	1,3-Dichlorobenzene	10. U	132-64-9	Dibenzofuran	10. U
106-46-7	1,4-Dichlorobenzene	10. U	121-14-2	2,4-Dinitrotoluene	10. U
100-51-6	Benzyl Alcohol	10. U	606-20-2	2,6-Dinitrotoluene	10. U
95-50-1	1,2-Dichlorobenzene	10. U	84-66-2	Diethylphthalate	10. U
95-48-7	2-Methylphenol	10. U	7005-72-3	4-Chlorophenyl-phenylether	10. U
39638-32-9	bis(2-Chloroisopropyl)Ether	10. U	86-73-7	Fluorene	10. U
106-44-5	4-Methylphenol	10. U	100-01-6	4-Nitroaniline	50. U
621-64-7	N-Nitroso-Di-n-Propylamine	10. U	534-52-1	4,6-Dinitro-2-Methylphenol	50. U
67-72-1	Hexachloroethane	10. U	86-30-6	N-Nitrosodiphenylamine (1)	10. U
98-95-3	Nitrobenzene	10. U	101-55-3	4-Bromophenyl-phenylether	10. U
78-59-1	Isophorone	10. U	118-74-1	Hexachlorobenzene	10. U
88-75-5	2-Nitrophenol	10. U	87-86-5	Pentachlorophenol	50. U
105-67-9	2,4-Dimethylphenol	10. U	85-01-8	Phenanthrene	10. U
65-85-0	Benzoic Acid	50. U	120-12-7	Anthracene	10. U
111-91-1	bis(2-Chloroethoxy)Methane	10. U	84-74-2	Di-n-Butylphthalate	10. U
120-83-2	2,4-Dichlorophenol	10. U	206-44-0	Fluoranthene	10. U
120-82-1	1,2,4-Trichlorobenzene	10. U	129-00-0	Pyrene	10. U
91-20-3	Naphthalene	10. U	85-68-7	Butylbenzylphthalate	10. U
106-47-8	4-Chloroaniline	10. U	91-94-1	3,3'-Dichlorobenzidine	20. U
87-68-3	Hexachlorobutadiene	10. U	56-55-3	Benzo(a)Anthracene	10. U
59-50-7	4-Chloro-3-Methylphenol	10. U	117-81-7	bis(2-Ethylhexyl)Phthalate	10. U
91-57-6	Methylnapthalene	10. U	218-01-9	Chrysene	10. U
77-47-4	Hexachlorocyclopentadiene	10. U	117-84-0	Di-n-Octyl Phthalate	10. U
88-06-2	2,4,6-Trichlorophenol	10. U	205-99-2	Benzo(b)Fluoranthene	10. U
95-95-4	2,4,5-Trichlorophenol	50. U	207-08-9	Benzo(k)Fluoranthene	10. U
91-58-7	2-Chloronaphthalene	10. U	50-32-8	Benzo(a)Pyrene	10. U
88-74-4	2-Nitroaniline	50. U	193-39-5	Indeno(1,2,3-cd)Pyrene	10. U
131-11-3	Dimethyl Phthalate	10. U	53-70-3	Dibenz(a,h)Anthracene	10. U
208-96-8	Acenaphthylene	10. U	191-24-2	Benzo(g,h,i)Perylene	10. U
99-09-2	3-Nitroaniline	50. U			

(1) - Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-330

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 3/25/87

Date Analyzed: 3-30-87

Conc/Dil Factor: 1

Percent Moisture (decanted) NA

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		(ug/l or ug/Kg) (Circle One)
319-84-6	Alpha-BHC	0.05U
319-85-7	Beta-BHC	0.05U
319-86-8	Delta-BHC	0.05U
58-89-9	Gamma-BHC (Lindane)	0.05U
76-44-8	Heptachlor	0.05U
309-00-2	Aldrin	0.05U
1024-57-3	Heptachlor Epoxide	0.05U
959-98-8	Endosulfan I	0.05U
60-57-1	Dieldrin	0.10U
72-55-9	4, 4'-DDE	0.10U
72-20-8	Endrin	0.10U
33213-65-9	Endosulfan II	0.10U
72-54-8	4, 4'-DDD	0.10U
1031-07-8	Endosulfan Sulfate	0.10U
50-29-3	4, 4'-DDT	0.10U
72-43-5	Methoxychlor	0.05U
53494-70-5	Endrin Ketone	0.10U
57-74-9	Chlordane	0.05U
8001-35-2	Toxaphene	1.0U
12674-11-2	Aroclor-1016	0.5U
11104-28-2	Aroclor-1221	0.5U
11141-16-5	Aroclor-1232	0.5U
53469-21-9	Aroclor-1242	0.5U
12672-29-6	Aroclor-1248	0.5U
11097-69-1	Aroclor-1254	1.0U
11096-82-5	Aroclor-1260	1.0U

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s 1000 or W_s NA V_t 10,000 V_i 1

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-330(R)

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	None Detected	VOA	NA	NA
2. NA	none detected	SV	NA	NA
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified

Sample Number
JC-331

ORGANICS ANALYSIS DATA SHEET
(Page 1)

Laboratory Name: G S R I
Case No: 6973
Lab Sample ID No: V0XK69
QC Report No: 256
Sample Matrix: WATER
Contract No: 68-01-7141
Data Release Authorized By: [signature]
Date Sample Received: 3/21/87

VOLATILE COMPOUNDS

Concentration: LOW
Date Extracted/Prepared: 3/24/87
Date Analyzed: 3/24/87
Conc/Dil Factor: 1. pH
Percent Moisture: (Not Decanted) NA

CAS Number		UG/L	CAS Number		UG/L
74-87-3	Chloromethane	10. U	78-87-5	1,2-Dichloropropane	5.0U
74-83-9	Bromomethane	10. U	10061-02-6	Trans-1,3-Dichloroproene	5.0U
75-01-4	Vinyl Chloride	10. U	79-01-6	Trichloroethene	5.0U
75-00-3	Chloroethane	10. U	124-48-1	Dibromochloromethane	5.0U
75-09-2	Methylene Chloride	.8.7B ~~5.0U~~	79-00-5	1,1,2-Trichloroethane	5.0U
67-64-1	Acetone	.71B ~~10. U~~	71-43-2	Benzene	5.0U
75-15-0	Carbon Disulfide	5.0U	10061-01-5	cis-1,3-Dichloropropene	5.0U
75-35-4	1,1-Dichloroethene	5.0U	110-75-8	2-Chloroethylvinylether	10. U
75-34-3	1,1-Dichloroethane	5.0U	75-25-2	Bromoform	5.0U
156-60-5	Trans-1,2-Dichloroethene	5.0U	108-10-1	4-Methyl-2-Pentanone	10. U
67-66-3	Chloroform	5.0U	591-78-6	2-Hexanone	10. U
107-06-2	1,2-Dichloroethane	5.0U	127-18-4	Tetrachloroethene	5.0U
78-93-3	2-Butanone	10. U	79-34-5	1,1,2,2-Tetrachloroethane	5.0U
71-55-6	1,1,1-Trichloroethane	5.0U	108-88-3	Toluene	5.0U
56-23-5	Carbon Tetrachloride	5.0U	108-90-7	Chlorobenzene	5.0U
108-05-4	Vinyl Acetate	10. U	100-41-4	Ethylbenzene	5.0U
75-27-4	Bromodichloromethane	5.0U	100-42-5	Styrene	5.0U
				Total Xylenes	5.0U

U - Compound analyzed for but not detected. The reported value is the minimum attainable detection limit for the sample.

See page 1A for complete definitions of the data reporting qualifiers.

boratory Name: Gulf South Research Institute

ase No: 6973

Sample Number
JC-331

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds *Analysis Not Required*

ncentration: (Low) Medium (Circle One)

te Extracted/Prepared: NA

te Analyzed:

nc/Dil Factor:

rcent Moisture (Decanted)

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
08-95-2	Phenol	
11-44-4	bis(-2-Chloroethyl)Ether	
57-8	2-Chlorophenol	
41-73-1	1 3-Dichlorobenzene	
06-46-7	1 4-Dichlorobenzene	
00-51-6	Benzyl Alcohol	
5-50-1	1 2-Dichlorobenzene	
5-48-7	2-Methylphenol	
19638-32-9	bis(2-chloroisopropyl)Ether	
06-44-5	4-Methylphenol	
21-64-7	N-Nitroso-Di-n-Propylamine	
7-72-1	Hexachloroethane	
8-95-3	Nitrobenzene	
8-59-1	Isophorone	
8-75-5	2-Nitrophenol	
05-67-9	2. 4-Dimethylphenol	
5-85-0	Benzoic Acid	
11-91-1	bis(-2-Chloroethoxy)Methane	
20-83-2	2. 4-Dichlorophenol	
20-82-1	1. 2. 4-Trichlorobenzene	
1-20-3	Naphthalene	
06-47-8	4-Chloroaniline	
7-68-3	Hexachlorobutadiene	
9-50-7	4-Chloro-3-Methylphenol	
1-57-6	2-Methylnaphthalene	
7-47-4	Hexachlorocyclopentadiene	
8-06-2	2. 4. 6-Trichlorophenol	
5-95-4	2. 4. 5-Trichlorophenol	
1-58-7	2-Chloronaphthalene	
8-74-4	2-Nitroaniline	
31-11-3	Dimethyl Phthalate	
08-96-8	Acenaphthylene	
9-09-2	3-Nitroaniline	

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2. 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2 4-Dinitrotoluene	
606-20-2	2. 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4. 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3. 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1. 2. 3-cd)Pyrene	
53-70-3	Dibenzo(a h)Anthracene	
191-24-2	Benzo(g h i)Perylene	

(1)-Cannot be separated from diphenylamine

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number: JC-331

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs Analysis Not Required

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: NA

Date Analyzed:

Conc/Dil Factor:

Percent Moisture (decanted)

GPC Cleanup ☐Yes ☐No

Separatory Funnel Extraction ☐Yes

Continuous Liquid - Liquid Extraction ☐Yes

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4, 4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4, 4'-DDD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4, 4'-DDT	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	
8001-35-2	Toxaphene	
12674-11-2	Aroclor-1016	
11104-28-2	Aroclor-1221	
11141-16-5	Aroclor-1232	
53469-21-9	Aroclor-1242	
12672-29-6	Aroclor-1248	
11097-69-1	Aroclor-1254	
11096-82-5	Aroclor-1260	

V_i = Volume of extract injected (ul)

V_s = Volume of water extracted (ml)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

V_s NA or W_s NA V_t NA V_i NA

Laboratory Name: Gulf South Research Institute

Case No: 6973

Sample Number
JC-331

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1. NA	benzene, trimethyl-	VOA	529	15J
2. NA	Analysis Not Required	SV	NA	NA
3.				
4.				
5.				
6.				
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27.				
28.				
29.				
30.				

Unk. H.C. - Unknown Hydrocarbon
N/I - Not Identified