IL-0219-10

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

EPA Region 5 Records Ctr.
357879

DATE: 5/16/85

SUBJECT: Review of Region V CLP Data
Received for Review on 5-3-85

FROM: Curtis Ross, Director (5SCRL)
Central Regional Laboratory

TO: Data User: FIT

RECEIVED MAY 22 1985

We have reviewed the data for the following case(s).

SITE NAME: Sand Park SMO Case No. 4129

EPA Data Set No. SF2238 No. of Samples: 8 D.U./Activity Numbers 1905 / C48500

CRL No. 85FP03582 to 85FP03R12

SMO Traffic No. EB939 to ED104

CLP Laboratory: Cal Hrs. Required for Review: 15

Following are our findings.

1. VOA SAMPLE HOLDING TIMES EXCEEDED BY 2-3 DAYS, POSITIVE VALUES CONSIDERED APPROXIMATE.
2. PEST/PCB STANDARD SUMMARY INDICATED UNSTABLE GC CONDITIONS MAY BE PRESENT. SAMPLE ED104 SHOULD BE RE-ANALIZED.
3. INITIAL AND CONTINUING CALIBRATION OUT OF SPEC. RELATED DATA FLAGGED AS ESTIMATED VALUES ONLY.
   CHLORO METHANE $\bar{RF}$ = .09 AND BROMOFORM $\bar{RF}$ = .155 THESE VOA SPCC COMPOUNDS DO NOT MEET MINIMUM $\bar{RF}$ CRITERIA OF 0.300. VINYL CHLORIDE %D IN CONTINUING CALIBRATION IS GREATER THAT THE CCC LIMIT OF 25%
   ABN CCC COMPOUNDS, PHENOL AND DI-N-OCTYL PHTHALATE, HAVE %RSD GREATER THAN 30% IN THE INITIAL CALIBRATIONS.

Patrick J. Chmielko
5-15-85

( ) Data are acceptable for use.
( ) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Don Trees, CLP/Sample Management Office

EPA FORM 1320-4 (REV 3-76)

DATA QUALIFIERS

Case CASE 4129

Contractor: CAL

Below is a summary of the out of control audits and the possible effect on the data for this case:

SAMPLE HOLDING TIMES FOR VOA ANALYSIS WERE EXCEEDED BY 2-3 DAYS. ANY POSITIVE HITS WILL BE CONSIDERED APPROXIMATE VALUES.

THE VOA BLANKS CONTAINED RELATIVELY HIGH AMOUNTS OF ACETONE BUT ALL BLANKS WERE OTHERWISE ACCEPTABLE.

CONCERNING THE PEST./PCB STANDARD SUMMARY ON 4-23-85, TIME 8:51, THE LARGE % DIFFERENCE IN RESPONSE FACTORS INDICATES THAT SAMPLE ED104 SHOULD HAVE BEEN REANALIZED. REANALYSIS IN NOT PRESENT.

INITIAL AND CONTINUING CALIBRATION HAS BEEN ~~AN~~ A PROBLEM FOR CAL FOR SOME TIME. A NUMBER OF SPCC AND CCC COMPOUNDS WERE OUT OF SPEC. ALONG WITH NUMEROUS HSL COMPOUNDS (SEE ATTACHED LIST) ALL RELATED DATA WILL BE FLAGGED AS ESTIMATED.

Reviewed by: Patrick J. Chinella

Phone: 353-2720

Date: 5-14-85

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CASE 4129

INITIAL CALIBRATION OUTLIERS

COMPOUND NAME	VOA 2-5-85	ABN 4-8-85	ABN 4-30-85
CHLOROMETHANE	$\overline{RF}$ = .09		
BROMOFORM	$\overline{RF}$ = .155		
VINYL CHLORIDE	%D = 33.7		
ACETONE	%D = 45.8		
2-BUTANONE	%D = 38.8		
BROMODICHLOROMETHANE	$\overline{RF}$ = .029		
2-CHLOROETHYL VINYL ETHER	$\overline{RF}$ = .027		
BENZIDINE		$\overline{RF}$ = 0.0	$\overline{RF}$ = 0.0
PHENOL		%RSD = 37.3	~~%RSD = 37.3~~
DI-N-OCTYL PHTHALATE			%RSD = 49.2
BENZO(A)PYRENE			%RSD = 31.8
N-NITROSODIMETHYL AMINE		$\overline{RF}$ = 0.0	$\overline{RF}$ = 0.0
BIS(2-CHLOROETHYL)ETHER		%RSD = 52.7	
4-CHLOROANILINE		%RSD = 54.5	%RSD = 85.9
3-NITROANILINE		%RSD = 82.4	%RSD = 43.7
4-NITROANILINE		%RSD = 51.3	
BIS(2-ETHYLHEXYL)PHTHALATE		%RSD = 36.3	
3,3-DICHLOROBENZIDINE			$\overline{RF}$ = 0.0
ANILINE			%RSD = 61.8
1,3-DICHLOROBENZENE			%RSD = 30.5
NAPHTHALENE			%RSD = 30.7
2,4-DINITROTOLUENE			%RSD = 31.1
BENZO(A)ANTHRACENE			%RSD = 35.7

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Case 4129

INITIAL CALIBRATION OUTLIERS CONTINUED

COMPOUND NAME	ABN 4-8-85	ABN 4-30-85
BENZO (B OR K) FLUORANTHENE		% RSD = 37.0
BENZO(A,H)ANTHRACENE		% RSD = 32.4
BENZO (GHI) PERYLENE		% RSD = 33.3

CASE 4129

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VOA CONTINUING CALIBRATION OUTLIERS

COMPOUND NAME	2-5-85 TIME 18:40	4-10-85 TIME 9:24	4-10-85 TIME 18:51
CHLOROMETHANE	RF = .154		RF = .07
BROMOFORM	%D = 70.2 RF = .138	%D = 342.4 RF = .134	RF = .144
VINYL CHLORIDE	%D = 48.3 RF = .05	%D = 141.6 RF = .032	%D = 41.0 RF = .036
VINYL ACETATE		%D = -43.1	%D = -35.0 RF = .037
2-BUTANONE	%D = 39.0 RF = .034	RF = .028	%D = -50.6 RF = .029
BROMODICHLOROMETHANE	RF = .023	RF = .009	RF = .01
2-CHLOROETHYL VINYL ETHER		%D = -69.8	%D = -64.3
ACETONE			%D = -25.6
CARBON DISULFIDE		%D = -53.6	%D = -29.9
1,1,2,2-TETRACHLOROETHANE	%D = 31.9	%D = -32.7	
2-HEXANONE		%D = -44.3	%D = -26.2
STYRENE		%D = -35.8 RF = .026	%D = -35.3
1,1,1-TRICHLOROETHANE		%D = -66.0	
1,1-DICHLOROETHANE		%D = -27.5	
4-METHYL-2-PENTANONE		%D = -32.9	

CASE 4169

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ABN CONTINUING CALIBRATION OUTLIERS

COMPOUND NAME	4-26-85 TIME 19:21	4-29-85 TIME 7:32	4-29-85 TIME 18:24	4-30-85 TIME 11:39
BENZIDINE	RF = 0.0	RF = 0.0	RF = 0.0	RF = 0.0
HEXACHLOROCYCLOPENTADIENE	%D = -84.1	%D = -46.9	%D = -50.4	
4-NITROPHENOL	%D = 66.4			
FLUORANTHENE	%D = 27.3		%D = 31.5	
DI-N-OCTYL PHTHALATE	%D = 41.9	%D = 105.4	%D = 101.7	
BENZO(A)PYRENE	%D = 38.3		%D = 28.2	%D = 25.3
N-NITROSO DIMETHYL AMINE	RF = 0.0	RF = 0.0		RF = 0.0
3,3-DICHLOROBENZIDINE	RF = 0.0	RF = 0.0	RF = 0.0	RF = 0.0
HEXACHLOROETHANE	%D = -34.5			
BENZYL ALCOHOL	%D = 29.9			
NITROBENZENE	%D = 61.6	%D = 63.1	%D = 56.4	
ISOPHORONE	%D = 58.4	%D = 50.2	%D = 74.0	
2,4-DIMETHYL PHENOL	%D = 25.4			
BIS(2-CHLOROETHOXY)METHANE	%D = 31.0		%D = 27.6	
BENZOIC ACID	%D = -58.5			
2,4-DINITROTOLUENE	%D = 57.1		%D = 39.5	
3-NITROANILINE	%D = 39.4	%D = -31.4	%D = -43.2	
DI-N-BUTYL PHTHALATE	%D = 28.6	%D = 77.9	%D = 43.4	
BENZO(b OR K)FLUORANTHENE	%D = 29.2	%D = 31.6	%D = 27.7	%D = 28.9
ANILINE		%D = -53.1	%D = -31.5	
4-CHLOROANILINE		%D = -40.8	%D = -30.9	
2,4-DINITROPHENOL		%D = -33.8		
4-NITROANILINE		%D = -45.5		
PYRENE		%D = 37.5		
BUTYL BENZYL PHTHALATE		%D = 50.6	%D = 37.8	
~~BIS(2-ETHYLHEXYL)PHTHALATE~~		~~%D = 69.2~~		

Case 4129

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ABN CONTINUING CALIBRATION OUTLIERS

COMPOUND NAME	4-26-85 Time 19:21	4-29-85 Time 7:38	4-29-85 Time 18:24	4-30-85 Time 11:37
BIS(2-ETHYLHEXYL)PHTHALATE		%D = 69.2	%D = 38.5	
BENZO(GHI)PERYLENE				%D = 30.5

California Analytical Laboratories, Inc.
2544 Industrial Boulevard • West Sacramento, CA 95691 • (916) 372-1393

May 1, 1985

RECEIVED MAY 22 1985

Dr. Fred Haeberer
U.S. EPA
Hazardous Waste Investigation
401 M Street, SW
Washington, DC 20460

SF2238

Dear Dr. Fred Haeberer:

Enclosed are data summary sheets and documentation for samples and QA/QC comprising Case 4129 of Contract 68-01-6958. These samples were received 4/ 2/85 and logged in under the following CAL Lab numbers:

RECEIVED
MAY 03 1985
U.S. EPA CENTRAL REGIONAL LAB.
536 S. CLARK STREET
CHICAGO, ILLINOIS 60605

CAL Lab Number	Sample I.D
L728	EB939
L729	EB940
L730	EB941
L731	EB942
L732	ED101
L733	ED102
L734	ED103
L735	ED104

The samples were analyzed as low concentration water samples. The QA/QC data is satisfactory.

The following comments pertain to the initial and on-going calibration curves for volatiles and acid/base neutrals. The initial 5--point curve for volatile organics was reduced to a 4--point curve because the high-level standard saturated our systems. This is allowed by the contract. Two of the SPCC compounds are also outside the contract windows on both the initial curve and the on-going calibration curve; bromoform and methyl chloride. The bromoform has been a continual problem for us since the contract switched to the aromatic internal standards for quantitation. We have checked purge rates, temperatures, and replaced the traps, yet the Rf continually runs about 0.20. We have informed the program of this problem, and it is our understanding that the SPCC value is going to be lowered. The difficulties with methyl chloride and vinyl chloride result from highly variable standards which we obtain from Supelco (our sole source for the gas standards). Over 50% of the standards have had incorrect levels of both methyl chloride and vinyl chloride while bromomethane and chloroethane stay quite constant. We are working on this problem with Supelco but until it is resolved the Rf's for these two compounds will be erratic. We have documented that the correct Rf is about 1.2--1.5 for both compounds, and when we have samples that show positive responses for either compound, they are re-run with an accurate standard.

RECEIVED MAY 2 2 1985

In the case of the acid/base neutrals, we have been unable to see benzidine in any of our standards except for the first day they are prepared. This is caused by two problems. First, the method itself is inappropriate for benzidine, as documented in EPA Method 605. Also, it degrades in the standards when combined with the other compounds. These two facts make it impossible to use on either the initial or continuing calibration curve. We also have difficulty with the di-n-octyl phthalate response factor being quite variable. We suspect the difficulty is with the injection port, and that the problem could be solved with an on-column injector. When this is the only CCC value out, we do not re-run the curve since many times the Rf has dropped out of the 25% window in less than 24 hours, then it often falls back in the next day.

These problems have all been discussed in detail with EMSL-LV and at the EPA caucus in Atlanta, and we know that several labs share these difficulties. We firmly believe that the quality of our data is not in question even though we are technically out of contractual compliance concerning the above discussed items. If you have any questions, please give us a call.

Sincerely,

Paul W. Taylor for

Michael J. Mille, PhD
Director of GC/MS Services

Karin S. Yee

Karin S. Yee
Data Specialist

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490
Form 1 page 1

DATA PREP/RELEASE BY: DB / FAS

SAMPLE NO: VOA BLANK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: VBK30410B
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/10/85
DATE ANALYZED: 4/10/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

RECEIVED MAY 2 2 1985

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 U	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 U	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 J	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	13	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 U	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 U
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 J	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 U	CL18	100-42-5	styrene	5 U
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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form 1 page 1

DATA PREP/RELEASE BY: JB / PB

SAMPLE NO: VOA BLANK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: VBK30411
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/11/85
DATE ANALYZED: 4/11/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 U	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 U	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 J	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	15	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 U	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 U
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	11	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 U	CL18	100-42-5	styrene	5 U
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

RECEIVED ... 2 2 ...

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes 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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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form 1 page 2

DATA PREP/RELEASE BY: Lym / PGI

SAMPLE NO: METHOD BLANK

RECEIVED MAY 22 1985

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L728MB
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/26/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 U	1B	83-32-9	acenaphthene	10 U
65A	103-95-2	phenol	10 U	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 U	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 U	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 U
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 U	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 U	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 U
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 U
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 U
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 U
CL7	106-47-8	4-chloroaniline	10 U	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	10 J
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 U
53B	77-47-4	hexachlorocyclopentadiene	10 U	74B	205-99-2	benzo(b)fluoranthene(2)	10 U
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 U
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 U				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490
form 1 page 3

DATA PREP/RELEASE BY: DB / PAS

SAMPLE NO: METHOD BLANK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L728MB

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

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PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. METHOD

QC REPORT NO 63 LAB SAMPLE NO. L728MBAB

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
	NO A/BN				

no volatile compound found.

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85FP03582

DATA PREP/RELEASE BY: DB / PA1

SAMPLE NO: EB 939

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L728
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/10/85
DATE ANALYZED: 4/10/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	10 UJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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DATA PREP/RELEASE BY: DB PGJ

SAMPLE NO: EB 939 G102

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L728
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

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SEMIVOLATILE COMPOUNDS

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CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/26/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 UJ	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 UJ	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 U	58A	100-02-7	4-nitrophenol	50 UJ
18B	111-44-4	bis(2-chloroethyl)ether	10 UJ	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 UJ
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 UJ	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 UJ
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 UJ	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 UJ	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 UJ	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 UJ	68B	84-74-2	di-n-butyl phthalate	10 UJ
CL1	65-85-0	benzoic acid	50 UJ	39B	206-44-0	fluoranthene	10 UJ
43B	111-91-1	bis(2-chloroethoxy) methane	10 UJ	5B	92-87-5	benzidine	100 UJ
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 U
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 UJ
CL7	106-47-8	4-chloroaniline	10 UJ	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	~~10 JB~~ 8 J
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 U# J
53B	77-47-4	hexachlorocyclopentadiene	10 UJ	74B	205-99-2	benzo(b)fluoranthene(2)	10 UJ
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 UJ
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 UJ
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 UJ				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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DATA PREP/RELEASE BY: TB / PJS

SAMPLE NO: EB 939 G102

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L728

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: Water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

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PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. EB99, 6102

GC REPORT NO. 63 LAB SAMPLE NO. L72801AB

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	143-07-7	DODECANOICACID	A/BN	972	790	6.1 UG/L
2.	55622-59-8	1,3-DIOXOLANE,4-HEPTADECYL-2,2	A/BN	1612	500	21.5 UG/L
3.	131-18-0	1,2-BENZENEDICARBOXYLICACID,DI	A/BN	1626	715	8.8 UG/L
4.	142-18-7	DODECANOICACID,2,3-DIHYDROXYPR	A/BN	1643	447	6.6 UG/L
5.	131-18-0	1,2-BENZENEDICARBOXYLICACID,DI	A/BN	1727	657	7.0 UG/L
6.	54986-42-4	THIOPHENE,2-(DECYLTHIO)-	A/BN	1902	228	1.8 UG/L

	COMPOUND NAME		PROBABILITY		COMMENTS
1.	DODECANOICACID	1.	A	1.	
2.	1,3-DIOXOLANE,4-HEPTADECYL-2,2	2.	C	2.	
3.	1,2-BENZENEDICARBOXYLICACID,DI	3.	B	3.	see Scan ~~1626~~ 1727
4.	DODECANOICACID,2,3-DIHYDROXYPR	4.	C	4.	
5.	1,2-BENZENEDICARBOXYLICACID,DI	5.	B	5.	see Scan 1670
6.	THIOPHENE,2-(DECYLTHIO)-	6.	C	6.	

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No volatile compounds found.

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85FP03583

DATA PREP/RELEASE BY: DB FM

SAMPLE NO: EB 940

G103

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L729
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/11/85
DATE ANALYZED: 4/11/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	130 BJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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DATA PREP/RELEASE BY: DB, PGD

SAMPLE NO: EB 940 6103

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L729
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/30/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 UJ	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 U	59A	51-28-5	2,4-dinitrophenol	50 UJ
CL5	62-53-3	aniline	10 UJ	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 U	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 UJ
26B	541-73-1	1,3-dichlorobenzene	10 UJ	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 UJ
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 UJ	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 UJ	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 UJ
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 UJ
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 UJ
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 UJ
55B	91-20-3	naphthalene	10 UJ	28B	91-94-1	3,3'-dichlorobenzidine	20 UJ
CL7	106-47-8	4-chloroaniline	10 UJ	72B	56-55-3	benzo(a)anthracene	10 UJ
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	4 ~~10~~ JB
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	4 ~~10~~ J
53B	77-47-4	hexachlorocyclopentadiene	10 UJ	74B	205-99-2	benzo(b)fluoranthene(2)	10 UJ
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 UJ
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 UJ
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 UJ
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 UJ
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 UJ				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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form 1 page 3

DATA PREP/RELEASE BY: DB / PJS

SAMPLE NO: EB 940 G103

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L729

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

RECEIVED MAY 2 2 198

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. EB940

QC REPORT NO. 63 LAB SAMPLE NO. L72901ABR2 G103

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	143-07-7	DODECANOICACID	A/BN	1034	824	9.1 UG/L
2.	55622-59-8	1,3-DIOXOLANE,4-HEPTADECYL-2,2	A/BN	1691	451	12.3 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. DODECANOICACID	1. B	1.
2. 1,3-DIOXOLANE,4-HEPTADECYL-2,2	2. C	2.

No volatile compounds found

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Form 1 page 1

85FP03584

DATA PREP/RELEASE BY: DB / PW

SAMPLE NO: EB 941

6104

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L730
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/10/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/10/85
DATE ANALYZED: 4/10/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 UJ	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	32 UJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	~~10 UB~~ 64J	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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form 1 page 2

DATA PREP/RELEASE BY: DB + PAJ

SAMPLE NO: EB 941 6104

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L730
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/29/85
CONC/DIL FACTOR: 1L/2ML

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PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 UJ	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 UJ	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 UJ	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 UJ	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 UJ
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	~~10 J~~ 5 J
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 UJ	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 UJ	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	~~10 J~~ 2 J
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 UJ
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 UJ
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 UJ
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 UJ
CL7	106-47-8	4-chloroaniline	10 UJ	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	48 BJ
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 UJ
53B	77-47-4	hexachlorocyclopentadiene	10 UJ	74B	205-99-2	benzo(b)fluoranthene(2)	10 UJ
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 UJ
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 UJ				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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form 1 page 3

DATA PREP/RELEASE BY: DB / PAS

SAMPLE NO: EB 941 G104

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L730

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

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VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO EB941,

QC REPORT NO. 63 LAB SAMPLE NO. L73001AB 6104

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	105-60-2	2H-AZEPIN-2-ONE, HEXAHYDRO-	A/BN	730	918	39.2 UG/L
2.	629-59-4	TETRADECANE	A/BN	836	886	13.7 UG/L
3.	5353-25-3	ETHANOL, 2-(9-OCTADECENYLOXY)-,	A/BN	1561	631	8.9 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. 2H-AZEPIN-2-ONE, HEXAHYDRO-	1. A	1.
2. TETRADECANE	2. A	2.
3. ETHANOL, 2-(9-OCTADECENYLOXY)-,	3. ~~C~~ B	3.

no volatile compounds found

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form 1 page 1

85FP03S85

DATA PREP/RELEASE BY: DB / PAJ

SAMPLE NO: EB 942 G105

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L731
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/10/85
DATE ANALYZED: 4/10/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 U J	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	10 U J	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 U J	4V	71-43-2	benzene	~~5 J~~ 3 J
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 U J
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 U J
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 U J
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 U J	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	~~5 J~~ 4 J
CL19	108-05-4	vinyl acetate	10 U J	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 U J	CL18	100-42-5	styrene	5 U J
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes 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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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form 1 page 2

DATA PREP/RELEASE BY: DB / PAJ

SAMPLE NO: EB 942 G105

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L731
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

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SEMIVOLATILE COMPOUNDS

RECEIVED MAY 22 1985

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/29/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 U J	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 U J	59A	51-28-5	2,4-dinitrophenol	50 U J
CL5	62-53-3	aniline	10 U J	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 U J	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	3J ~~10 J~~	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 U J
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	~~10 J~~ 2J
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 U J	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 U J	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 U J
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 U J
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U J
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 U J
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 U J
CL7	106-47-8	4-chloroaniline	10 U J	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	10 ~~48~~ 4J
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 U J
53B	77-47-4	hexachlorocyclopentadiene	10 U J	74B	205-99-2	benzo(b)fluoranthene(2)	10 U J
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 U J
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 U J				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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DATA PREP/RELEASE BY: DB / PAS

SAMPLE NO: EB 942 6105

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L731

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

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PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME CAL CASE NO. 4129 SAMPLE NO. EB942, 6105

QC REPORT NO. 63 LAB SAMPLE NO. L73101AB

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	496-11-7	1H-INDENE, 2, 3-DIHYDRO-	A/BN	488	862	12.1 UG/L
2.	629-59-4	TETRADECANE	A/BN	836	887	13.5 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. 1H-INDENE, 2, 3-DIHYDRO-	1. B	1. Or related compound
2. TETRADECANE	2. A	2.

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no volatile compounds found

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85FP03586

DATA PREP/RELEASE BY: bjm / PAS

SAMPLE NO: ED 101 6106

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L732
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/10/85
DATE ANALYZED: 4/10/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	10 UJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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DATA PREP/RELEASE BY: DB PRJ

SAMPLE NO: ED 101 6106

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L732
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/29/85
CONC/DIL FACTOR: 1L/2ML

RECEIVED MAY 2 2 1985

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 UJ	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 UJ	59A	51-28-5	2,4-dinitrophenol	50 UJ
CL5	62-53-3	aniline	10 UJ	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 UJ	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 UJ
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	~~10 J~~ 3J
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 UJ	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 UJ	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	~~10 J~~ 2J
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 UJ
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 UJ
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 UJ
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 UJ
CL7	106-47-8	4-chloroaniline	10 UJ	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	74 BJ
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 UJ
53B	77-47-4	hexachlorocyclopentadiene	10 UJ	74B	205-99-2	benzo(b)fluoranthene(2)	10 UJ
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 UJ
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 UJ				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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DATA PREP/RELEASE BY: DB / TRL

SAMPLE NO: ED 101 6106

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L732

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

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PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. ED101,

QC REPORT NO. 63 LAB SAMPLE NO. L73201AB G106

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	108-94-1	CYCLOHEXANONE	A/BN	302	918	13.4 UG/L
2.	105-60-2	2H-AZEPIN-2-ONE, HEXAHYDRO-	A/BN	726	950	62.0 UG/L
3.	629-59-4	TETRADECANE	A/BN	831	884	12.0 UG/L
4.	544-76-3	HEXADECANE	A/BN	983	694	8.4 UG/L
5.	112-52-7	DODECANE, 1-CHLORO-	A/BN	1171	776	7.6 UG/L
6.	629-73-2	1-HEXADECENE	A/BN	1278	696	72.1 UG/L
7.	2425-54-9	TETRADECANE, 1-CHLORO-	A/BN	1292	683	8.6 UG/L
8.	5353-25-3	ETHANOL, 2-(9-OCTADECENYLOXY)-,	A/BN	1422	808	20.0 UG/L
9.	5353-25-3	ETHANOL, 2-(9-OCTADECENYLOXY)-,	A/BN	1555	703	35.4 UG/L
10.	5353-25-3	ETHANOL, 2-(9-OCTADECENYLOXY)-,	A/BN	1684	579	36.3 UG/L
11.	630-07-9	PENTATRIACONTANE	A/BN	1772	541	10.6 UG/L
12.	2136-71-2	ETHANOL, 2-(HEXADECYLOXY)-	A/BN	1874	419	19.6 UG/L

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	COMPOUND NAME	PROBABILITY	
1.	CYCLOHEXANONE	1. A	1.
2.	2H-AZEPIN-2-ONE, HEXAHYDRO-	2. A	2.
3.	TETRADECANE	3. A	3.
4.	HEXADECANE	4. B	4. Alkane
5.	DODECANE, 1-CHLORO-	5. B	5. Chlorinated Alkane
6.	1-HEXADECENE	6. B	6.
7.	TETRADECANE, 1-CHLORO-	7. B	7.
8.	ETHANOL, 2-(9-OCTADECENYLOXY)-,	8. B	8. Or related compound
9.	ETHANOL, 2-(9-OCTADECENYLOXY)-,	9. B	9. " " "
10.	ETHANOL, 2-(9-OCTADECENYLOXY)-,	10. C	10.
11.	PENTATRIACONTANE	11 B	11. Alkane
12.	ETHANOL, 2-(HEXADECYLOXY)-	12. C	12.

No volatile compounds found.

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85FP03587

DATA PREP/RELEASE BY: DB / PAJ

SAMPLE NO: ED 102

6107

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L733
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

RECEIVED MAY 22 1985

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/11/85
DATE ANALYZED: 4/11/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
83V	75-01-4	vinyl chloride	10 U J	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	10 UJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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

RECEIVED MAY 2 2 1985

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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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form 1 page 2

DATA PREP/RELEASE BY: DB, PAJ

SAMPLE NO: ED 102 G107

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L733
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/30/85
CONC/DIL FACTOR: 1L/2ML

RECEIVED MAY 22 1985

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 U J	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 U	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 U J	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 U	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U J
26B	541-73-1	1,3-dichlorobenzene	10 U J	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 U
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 U	64A	87-86-5	pentachlorophenol	~~50 J~~ 14 J
54B	78-59-1	isophorone	10 U	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 U
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U
43B	111-91-1	bis(2-chloroethoxy) methane	10 U	5B	92-87-5	benzidine	100 U J
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 U
55B	91-20-3	naphthalene	10 U J	28B	91-94-1	3,3'-dichlorobenzidine	20 U J
CL7	106-47-8	4-chloroaniline	10 U J	72B	56-55-3	benzo(a)anthracene	10 U J
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	46 BJ
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 U J
53B	77-47-4	hexachlorocyclopentadiene	10 U	74B	205-99-2	benzo(b)fluoranthene(2)	10 U J
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 U J
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U J
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U J
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U J
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 U J				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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DATA PREP/RELEASE BY: DB / PAJ

SAMPLE NO: ED 102

G 107

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L733

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

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PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. ED102,

QC REPORT NO. 63 LAB SAMPLE NO. L73301ABR

6107

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	105-60-2	2H-AZEPIN-2-ONE, HEXAHYDRO-	A/BN	787	947	57.4 UG/L
2.	87-86-5	PHENOL, PENTACHLORO-	A/BN	1177	816	11.2 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. 2H-AZEPIN-2-ONE, HEXAHYDRO-	1. A	1.
2. PHENOL, PENTACHLORO-	2. A	2. See, OC

no volatile compounds found

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85FP03D85

DATA PREP/RELEASE BY: DB / PAJ

SAMPLE NO: ED 103 6105 DUP

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L734
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/11/85
DATE ANALYZED: 4/11/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

RECEIVED MAY 2 2 1985

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	10 UJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C-- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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form 1 page 2

DATA PREP/RELEASE BY: DB — PAI

SAMPLE NO: ED 103 G105 DUP

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L734
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/29/85
CONC/DIL FACTOR: 1L/2ML

RECEIVED MAY 2 2 1985

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 U J	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 U J	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 U J	58A	100-02-7	4-nitrophenol	50 U
18B	111-44-4	bis(2-chloroethyl)ether	10 U J	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 U J
26B	541-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 U J
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 U J	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 U J	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 U J
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 U J
43B	111-91-1	bis(2-chloroethoxy) methane	10 U J	5B	92-87-5	benzidine	100 U J
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 U J
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 U J
CL7	106-47-8	4-chloroaniline	10 U J	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	20 [illegible] J
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 U J
53B	77-47-4	hexachlorocyclopentadiene	10 U J	74B	205-99-2	benzo(b)fluoranthene(2)	10 U J
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 U J
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 U J
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
71B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 U J				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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form 1 page 3

DATA PREP/RELEASE BY: DB, PDS

SAMPLE NO: ED 103 6105 DUP

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L734

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

RECEIVED MAY 2 2 1985

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	53494-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. ED103,

QC REPORT NO. 63 LAB SAMPLE NO. L73401AB G105 DUP

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	143-07-7	DODECANOICACID	A/BN	968	796	8.5 UG/L
2.	55622-59-8	1,3-DIOXOLANE,4-HEPTADECYL-2,2	A/BN	1608	526	26.7 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. DODECANOICACID	1. B	1.
2. 1,3-DIOXOLANE,4-HEPTADECYL-2,2	2. C	2.

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no volatile compounds found

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85FP03R12

DATA PREP/RELEASE BY: DB / PW

SAMPLE NO: ED 104 BLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L735
CONTRACT NO: 68-01-6958

CASE: 40129
QC REPORT: 63
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water
pH: NR

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/11/85
DATE ANALYZED: 4/11/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

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PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	10 UJ	15V	79-34-5	1,1,2,2-tetrachloroethane	5 U
46V	74-83-9	bromomethane	10 U	32V	78-87-5	1,2-dichloropropane	5 U
88V	75-01-4	vinyl chloride	10 UJ	33V	10061-02-6	trans-1,3-dichloropropene	5 U
16V	75-00-3	chloroethane	10 U	87V	79-01-6	trichloroethene	5 U
44V	75-09-2	methylene chloride	5 U	51V	124-48-1	dibromochloromethane	5 U
CL13	67-64-1	acetone	1200 BJ	14V	79-00-5	1,1,2-trichloroethane	5 U
CL15	75-15-0	carbon disulfide	5 UJ	4V	71-43-2	benzene	5 U
29V	75-35-4	1,1-dichloroethene	5 U	33V	10061-01-5	cis-1,3-dichloropropene	5 U
13V	75-34-3	1,1-dichloroethane	5 U	19V	110-75-8	2-chloroethylvinyl ether	10 UJ
30V	156-60-5	trans-1,2-dichloroethene	5 U	47V	75-25-2	bromoform	5 UJ
23V	67-66-3	chloroform	5 U	CL16	591-78-6	2-hexanone	10 UJ
10V	107-06-2	1,2-dichloroethane	5 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 UJ	85V	127-18-4	tetrachloroethene	5 U
11V	71-55-6	1,1,1-trichloroethane	5 U	86V	108-88-3	toluene	5 U
6V	56-23-5	carbon tetrachloride	5 U	7V	108-90-7	chlorobenzene	5 U
CL19	108-05-4	vinyl acetate	10 UJ	38V	100-41-4	ethylbenzene	5 U
48V	75-27-4	bromodichloromethane	5 UJ	CL18	100-42-5	styrene	5 UJ
				CL20		total xylenes	5 U

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following contract specific qualifiers are to be used. The four qualifiers defined below are not subject to modification by the laboratory. Additional flags or footnotes explaining results are encouraged. However, the definition of such flags or footnotes must be explicit.

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

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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 actions. (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 tentively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C- This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides $\geq$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 descibed in a page attached to the data summary report.

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DATA PREP/RELEASE BY: DB / PRJ

SAMPLE NO: ED 104 BLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L735
CONTRACT NO: 68-01-6958

CASE: 4129
QC REPORT: 63

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->-> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <-<-

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/29/85
CONC/DIL FACTOR: 1L/2ML

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PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	10 UJ	1B	83-32-9	acenaphthene	10 U
65A	108-95-2	phenol	10 UJ	59A	51-28-5	2,4-dinitrophenol	50 U
CL5	62-53-3	aniline	10 UJ	58A	100-02-7	4-nitrophenol	50 U
18B	11[illegible]-44-4	bis(2-chloroethyl)ether	10 UJ	CL8	132-64-9	dibenzofuran	10 U
24A	95-57-8	2-chlorophenol	10 U	35B	121-14-2	2,4-dinitrotoluene	10 UJ
26B	54[illegible]-73-1	1,3-dichlorobenzene	10 U	36B	606-20-2	2,6-dinitrotoluene	10 U
27B	106-46-7	1,4-dichlorobenzene	10 U	70B	84-66-2	diethyl phthalate	10 U
CL6	100-51-6	benzyl alcohol	10 U	40B	7005-72-3	4-chlorophenyl phenyl ether	10 U
25B	95-50-1	1,2-dichlorobenzene	10 U	80B	86-73-7	fluorene	10 U
CL2	95-48-7	2-methylphenol	10 U	CL12	100-01-6	4-nitroaniline	50 UJ
42B	39638-32-9	bis(2-chloroisopropyl) ether	10 U	60A	534-52-1	4,6-dinitro-2-methylphenol	50 U
CL3	106-44-5	4-methylphenol	10 U	62B	86-30-6	N-nitrosodiphenylamine(1)	10 U
63B	621-64-7	N-nitrosodipropylamine	10 U	41B	101-55-3	4-bromophenyl-phenylether	10 U
12B	67-72-1	hexachloroethane	10 U	9B	118-74-1	hexachlorobenzene	10 U
56B	98-95-3	nitrobenzene	10 UJ	64A	87-86-5	pentachlorophenol	50 U
54B	78-59-1	isophorone	10 UJ	81B	85-01-8	phenanthrene	10 U
57A	88-75-5	2-nitrophenol	10 U	78B	120-12-7	anthracene	10 U
34A	105-67-9	2,4-dimethylphenol	10 U	68B	84-74-2	di-n-butyl phthalate	10 UJ
CL1	65-85-0	benzoic acid	50 U	39B	206-44-0	fluoranthene	10 UJ
43B	111-91-1	bis(2-chloroethoxy) methane	10 UJ	5B	92-87-5	benzidine	100 UJ
31A	120-83-2	2,4-dichlorophenol	10 U	84B	129-00-0	pyrene	10 U
8B	120-82-1	1,2,4-trichlorobenzene	10 U	67B	85-68-7	butylbenzylphthalate	10 UJ
55B	91-20-3	naphthalene	10 U	28B	91-94-1	3,3'-dichlorobenzidine	20 UJ
CL7	106-47-8	4-chloroaniline	10 UJ	72B	56-55-3	benzo(a)anthracene	10 U
52B	87-68-3	hexachlorobutadiene	10 U	66B	117-81-7	bis(2-ethylhexyl)phthalate	~~10 JB~~ 34J
22A	59-50-7	4-chloro-3-methylphenol	10 U	76B	218-01-9	chrysene	10 U
CL9	91-57-6	2-methylnaphthalene	10 U	69B	117-84-0	di-n-octyl phthalate	10 UJ
53B	77-47-4	hexachlorocyclopentadiene	10 UJ	74B	205-99-2	benzo(b)fluoranthene(2)	10 UJ
21A	88-06-2	2,4,6-trichlorophenol	10 U	75B	207-08-9	benzo(k)fluoranthene(2)	10 UJ
CL4	95-95-4	2,4,5-trichlorophenol	50 U	73B	50-32-8	benzo(a)pyrene	10 UJ
20B	91-58-7	2-chloronaphthalene	10 U	83B	193-39-5	indeno(1,2,3-cd)pyrene	10 U
CL10	88-74-4	2-nitroaniline	50 U	82B	53-70-3	dibenzo(a,h)anthracene	10 U
7[illegible]B	131-11-3	dimethyl phthalate	10 U	79B	191-24-2	benzo(g,h,i)perylene	10 U
77B	208-96-8	acenaphthylene	10 U				
CL11	99-09-2	3-nitroaniline	50 UJ				

(1) - CANNOT BE SEPARATED FROM DIPHENYLAMINE
(2) - COMPOUNDS CO-ELUTE - ANALYSED AS A SINGLE COMPOUND
DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

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DATA PREP/RELEASE BY: DB PAT

SAMPLE NO: ED 104 BLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: L735

CASE: 4129
QC REPORT: 63
CONTRACT NO: 68-01-6958

DATE SAMPLE REC'D: 4/2/85
SAMPLE MATRIX: water

->>->> COVER LETTER IS AN INTEGRAL PART OF THIS REPORT - PLEASE READ <<-<<-

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 4/4/85
DATE ANALYZED: 4/23/85
CONC/DIL FACTOR: 1L/25ML

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PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.05 U
103P	319-85-7	b-BHC	0.05 U
104P	319-86-8	d-BHC	0.05 U
105P	58-89-9	g-BHC (lindane)	0.05 U
100P	76-44-8	heptachlor	0.05 U
89P	309-00-2	aldrin	0.05 U
101P	1024-57-3	heptachlor epoxide	0.05 U
95P	959-98-8	endosulfan I (A)	0.05 U
90P	60-57-1	dieldrin	0.10 U
93P	72-55-9	4,4'-DDE	0.10 U
98P	72-20-8	endrin	0.10 U
96P	33213-65-9	endosulfan II (B)	0.10 U
94P	72-54-8	4,4'-DDD	0.10 U
99P	7421-93-4	endrin aldehyde	0.10 U
97P	1031-07-8	endosulfan sulfate	0.10 U
92P	50-29-3	4,4'-DDT	0.10 U
CL21	72-43-5	methoxychlor	0.50 U
CL22	5394-70-5	endrin ketone	0.10 U
91P	57-74-9	chlordane	0.50 U
113P	8001-35-2	toxaphene	1.0 U
112P	12674-11-2	aroclor-1016	0.50 U
108P	11104-28-2	aroclor-1221	0.50 U
109P	11141-16-5	aroclor-1232	0.50 U
106P	53469-21-9	aroclor-1242	0.50 U
110P	12672-29-6	aroclor-1248	0.50 U
107P	11097-69-1	aroclor-1254	1.0 U
111P	11096-82-5	aroclor-1260	1.0 U

VI = VOLUME OF EXTRACT INJECTED (UL) = 5
VS = VOLUME OF WATER EXTRACTED (ML) = 1000 ML
WS = WEIGHT OF SAMPLE EXTRACTED (G) = NR
VT = VOLUME OF TOTAL EXTRACT (UL) = 25000 UL

DATA IS HELD FOR A MINIMUM OF 180 DAYS THEN SENT TO NEIC FOR EVIDENCE AUDITING

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4129 SAMPLE NO. ED104,

GC REPORT NO. 63 LAB SAMPLE NO. L73501AB BLK

PROBABILITY THAT IDENTIFICATION IS CORRECT:
A= HIGH B= MODERATE C= LOW D= SOLVENT IMPURITY, SEE VOA

	CAS#	COMPOUND NAME	FRACTION	SCAN NUMBER	PURITY	ESTIMATED CONC. J VALUE
1.	538-24-9	DODECANOICAC:D,1,2,3-PROPANETR	A/BN	1763	402	8.5 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. DODECANOICACID,1,2,3-PROPANETR	1. B	1.

no volatile compounds found

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