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REMARKS

re: Grievance Data

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OPTIONAL FORM 41 (Rev. 7-76)
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FPMR (41 CFR) 101-11.206

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ecology and environment, inc.
108 SOUTH WASHINGTON, SUITE 302, SEATTLE, WASHINGTON 98104, TEL. 206-624-9537
International Specialists in the Environmental Sciences

MEMORANDUM

DATE: August 9, 1985

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

FROM: Lynn Guilford, Chemist, E&E, Seattle
Andrew Hafferty, Senior Chemist, E&E, Seattle

SUBJ: QA of Case 4201/1572J (2,4-D and 2,4,5-TP)
Green Acres Landfill WA0254

THRU: Dave Buecker, FIT RPM, E&E, Seattle

REF: TDD-8507-01

CC: Gerald Muth, EPA, Manchester
Harold Takenaka, DPO, EPA, Region IX
John Roland, E&E, Seattle

The Quality Assurance review of seven samples, Case 4201/1572J, collected at Greenacres Landfill has been completed. Seven water samples were analyzed by California Analytical Laboratories, Inc. of West Sacramento, California using SAS for 2,4-D and 2,4,5-TP. The samples were numbered:

J1290	J1294
J1291	J1296
J1292	J1297
J1293	

Data Qualifications

The following comments refer to the laboratory performance in meeting the Quality Control Specifications outlined in IFB WA84J091.

1) Timeliness - Acceptable

2) Blanks - Acceptable

3) Matrix Spike and Matrix Spike Duplicates

The 2,4-D percentage recoveries were high but acceptable.

Sample	Compound	% Recovery
J1290 (MSD)	2,4-D	150
J1297 (MS)	2,4-D	160

4) Samples - Acceptable

5) Detection Limits

Detection limits of 0.05 ug/l for 2,4-D and 2,4,5-TP were requested.

6) Laboratory Contact

The laboratory was contacted on July 25, 1985 regarding the method of analysis and detection limits. Please see telephone record log attached.

Data Use

This data is ACCEPTABLE for use.

Data Qualifiers

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

J - The associated numerical value is an estimated quantity because quality control criteria were not met.

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

Q - No analytical result.

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

E - The detection limit was elevated as a result of matrix interference.

SAS 4201/1572J*

2,4-D and 2,4,5-TP

EPA ID	2,4-D(ug/l)	2,4,5-TP(ug/l)
J1290	0.05U	0.05U
J1291	0.05U	0.05U
J1292	2.5	0.58
J1293	0.05U	0.05U
J1294	0.5U	0.05U
J1296	0.5U	0.5UE
J1297	0.5U	0.5UE

*California Analytical Laboratories, Inc.

In Reference to Case No(s):
4201/1572J

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: 25 July 85

Laboratory Name: California Analytical

Lab Contact: Karin Yee / Charles Soderquist

Region: 10 #3 Gary Beltz

Regional Contact: Andrew Hafferty

Call Initiated By: ____ Laboratory X Region

In reference to data for the following sample number(s):
J1291
all SAS samples 1572J (2,4-D and 2,4,5-TP analyses)
2,4-D & 2,4,5-T LLDs - why a change

Summary of Questions/Issues Discussed:
1 Sample data for 1291 marked 1290 on raw data - dates & times etc are OK - appears to be mislabeled
2. Was SAS analysis done with Methyl Esters
3 Why are some LLDs elevated

Summary of Resolution:
1. Will send corrected sheets
2. Yes — Methyl Esters were made a GC col.
3. LLDs elevated due to A. dilution effect
B. noisy blank
C. matrix interference
Data is acceptable — [illegible]

Signature

25 Jul, 85
Date

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

ecology and environment, inc.

108 SOUTH WASHINGTON, SUITE 302, SEATTLE, WASHINGTON 98104, TEL. 206-624-9537

International Specialists in the Environmental Sciences

MEMORANDUM

DATE: July 26, 1985

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

FROM: Lynn Guilford, Chemical Engineer, E&E, Seattle
Andrew Hafferty, Senior Chemist, E&E, Seattle

SUBJ: QA of Case 4201/1572J (Organics)
Greenacres Landfill, WA0254

THRU: Dave Buecker, FIT RPM, E&E, Seattle

REF: TDD R10-8507-01

CC: Gerald Muth, EPA, Manchester
John Roland, E&E, Seattle
Harold Takenaka, DPO, EPA, Region IX

The Quality Assurance review of four samples, Case 4201/1572J, collected at Greenacres Landfill has been completed. The four water samples were all analyzed at low level by California Analytical Laboratories, Inc. of West Sacremento, California for HSL organics. The samples were numbered:

J1294
J1296
J1297
J1298

Data Qualifications

The following comments refer to the laboratory performance in meeting the Quality Control specifications outlined in IFB WA84A-266.

1) Timeliness - Acceptable

2) Instrument Tuning - Acceptable

For the BFB tuning, saturation was reached with mass 174. The percent detected was 100.83%. The QC limit was <100%.

3) Initial Calibration

No CCC compounds were out of control. Three out of ten SPCC compounds were out of control.

recycled paper

Compound	$\overline{RF}$	$\overline{RF}$ QC Limit
Chloromethane	.02	> .300
Bromoform	.153	> .300
Benzidine	0	> .050

Several RF values could not be duplicated using the raw data. However, RF values for compounds that were detected were checked and found to be correct. The RF for Vinyl Chloride was based on a concentration of 80 ug/l instead of 50 ug/l of the control compound for the 100 ug/l sample of Vinyl Chloride.

4) Continuing Calibration

The following SPCC compounds were out of control:

Date	Compound	$\overline{RF}$	$\overline{RF}$ QC Limit
5/07/85	Chloromethane	.2	> .300
5/07/85	Bromoform	.153	> .300
5/23/85	Benzidine	0	> .050
5/24/85	Benzidine	0	> .050

The % D of the following CCC compounds were out of control.

Date	Compound	% D	% D QC Limit
5/07/85	Vinyl Chloride	2024.7%	< 25%
5/23/85	2-Nitrophenol	43.7%	< 25%
5/23/85	N-Nitrosodiphenylamine	54.1%	< 25%
5/24/85	2-Nitrophenol	42.9%	< 25%
5/24/85	N-Nitrosodiphenylamine	31.6%	< 25%
5/25/85	Di-N-Octyl Phthalate	59.3%	< 25%

5) Detection Limits - Acceptable

Special Analytical Service low detection limits of 0.1 ug/l were requested on the VOA fraction; together with 0.05 ug/l detection limits for the pesticide and herbicide analyses of this case. The laboratory substantially complied with this request.

6) Pesticide Standards

a. Linearity: 1 out of 4 % RSDs were out of control.

Compound	% RSD	% RSD QC Limit
Endrin	10.7%	< 10%

b. 4,4'-DDT/Endrin Breakdown - Acceptable
c. DBC Retention Time - Acceptable
d. Standards Summary - Acceptable

7) Blanks

Compound	Fraction	Conc.	QC Limit
Methylene Chloride	VOA	2.9	2.0
Acetone	VOA	11	10
2-butanone	VOA	6.9	10
Benzene	VOA	.13	.1
Tetrachloroethene	VOA	.3	.5
Di-N-Butyl Phthalate	VOA	.29	.5
(Tent.) Butane, 2,3-Dichloro-2-Methyl	BNA	12.8	10
Bis(2-ethylhexyl) Phthalate	BNA	4.8	10
(Tent.) Tetradecane	BNA	7.5	10

8) Surrogates - Acceptable

9) Matrix Spike and Matrix Spike Duplicate

The following % Recoveries were out of control:

Compound		% Rec.	% Rec. QC Limit
4-Nitrophenol	(MS)	0%	10-80 %
4-Nitrophenol	(MSD)	0%	10-80 %
Lindane	(MS)	130%	56-123%
Lindane	(MSD)	145%	56-123%
Heptachlor	(MSD)	135%	40-131%
Aldrin	(MSD)	130%	40-120%

10) Samples

Vinyl Chloride was calculated using a questionable RF.

Data Use

The usefulness of the data is based on the criteria outlined in the "Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses (R-582-5-5-01)." The data is ACCEPTABLE for use except where flagged with data qualifiers which modify the usefulness of the individual values.

Data Qualifiers

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

J - The associated numerical value is an estimated quantity because quality control criteria were not met.

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

Q - No analytical result.

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

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DATA PREP/RELEASE BY: DB / [illegible]

SAMPLE NO: J1294

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6081
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water
pH: NR

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

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED:5/7/85
DATE ANALYZED: 5/7/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	1.0 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	0.2 U
46V	74-83-9	bromomethane	1.0 U J	32V	78-87-5	1,2-dichloropropane	0.2 U
88V	75-01-4	vinyl chloride	1.0 U J	33V	10061-02-6	trans-1,3-dichloropropene	0.2 U
16V	75-00-3	chloroethane	1.0 U	87V	79-01-6	trichloroethene	0.1
44V	75-09-2	methylene chloride	2.0 U	51V	124-48-1	dibromochloromethane	0.2 U
CL13	67-64-1	acetone	10 U	14V	79-00-5	1,1,2-trichloroethane	0.1 U
CL15	75-15-0	carbon disulfide	0.5 U	4V	71-43-2	benzene	0.1 U
29V	75-35-4	1,1-dichloroethene	0.5 U	33V	10061-01-5	cis-1,3-dichloropropene	0.2 U
13V	75-34-3	1,1-dichloroethane	0.5 U	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	0.2 J	47V	75-25-2	bromoform	0.5 U
23V	67-66-3	chloroform	0.19	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	1.0 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 U	85V	127-18-4	tetrachloroethene	0.5 U
11V	71-55-6	1,1,1-trichloroethane	0.1 U	86V	108-88-3	toluene	0.5 ~~J8~~ U
6V	56-23-5	carbon tetrachloride	0.1 U	7V	108-90-7	chlorobenzene	0.1 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	0.1 U
48V	75-27-4	bromodichloromethane	0.2 U	CL18	100-42-5	styrene	0.1 U
				CL20		total xylenes	1.1

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

[illegible] 7/24/85

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form 1 page 2

DATA PREP/RELEASE BY: DB, [illegible]

SAMPLE NO: J1294

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6081
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water

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

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/23/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	~~10 U~~ R	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	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~~ R
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	14 ~~B~~ 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
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

[illegible] 7/24/85

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DATA PREP/RELEASE BY: _____ SAMPLE NO: J1294

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc. CASE: 4201/1572J DATE SAMPLE REC'D: 4/18/85
LAB SAMPLE NO: S6081 QC REPORT: 1572J SAMPLE MATRIX: water
CONTRACT NO: 68-01-6965

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

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/16/85
CONC/DIL FACTOR: 1L/25ML

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.01 U
103P	319-85-7	b-BHC	0.01 U
104P	319-86-8	d-BHC	0.01 U
105P	58-89-9	g-BHC (lindane)	0.01 U
100P	76-44-8	heptachlor	0.01 U
89P	309-00-2	aldrin	0.01 U
101P	1024-57-3	heptachlor epoxide	0.01 U
95P	959-98-8	endosulfan I (A)	0.01 U
90P	60-57-1	dieldrin	0.02 U
93P	72-55-9	4,4'-DDE	0.02 U
98P	72-20-8	endrin	0.02 U
96P	33213-65-9	endosulfan II (B)	0.02 U
94P	72-54-8	4,4'-DDD	0.02 U
99P	7421-93-4	endrin aldehyde	0.02 U
97P	1031-07-8	endosulfan sulfate	0.02 U
92P	50-29-3	4,4'-DDT	0.02 U
CL21	72-43-5	methoxychlor	0.1 U
CL22	53494-70-5	endrin ketone	0.02 U
91P	57-74-9	chlordane	0.1 U
113P	8001-35-2	toxaphene	0.2 U
112P	12674-11-2	aroclor-1016	0.1 U
108P	11104-28-2	aroclor-1221	0.1 U
109P	11141-16-5	aroclor-1232	0.1 U
106P	53469-21-9	aroclor-1242	0.1 U
110P	12672-29-6	aroclor-1248	0.1 U
107P	11097-69-1	aroclor-1254	0.2 U
111P	11096-82-5	aroclor-1260	0.2 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

7/24/85

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4201/1572J SAMPLE NO. J1254,

QC REPORT NO. 1572J LAB SAMPLE NO. S608101AB

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. 507-45-9~~	~~BUTANE, 2,3 DICHLORO 2 METHYL-~~	~~A/BN~~	~~271~~	~~915~~	~~11.6 UG/L~~
2. 108-94-1	CYCLOHEXANONE	A/BN	377	957	7.9 UG/L
~~3. 629-59-4~~	~~TETRADECANE~~	~~A/BN~~	~~904~~	~~860~~	~~7.3 UG/L~~

COMPOUND NAME	PROBABILITY	COMMENTS
~~1. BUTANE, 2,3-DICHLORO-2-METHYL-~~	~~1. A~~	1. in blank
2. CYCLOHEXANONE	2. A	2.
~~3. TETRADECANE~~	~~3. A~~	3. in blank

No volatile compounds found

7/24/85

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form 1 page 1

DATA PREP/RELEASE BY: DB / MGM

SAMPLE NO: J1296

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6082
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water
pH: NR

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

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED:5/7/85
DATE ANALYZED: 5/7/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	1.0 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	0.2 U
46V	74-83-9	bromomethane	1.0 U J	32V	78-87-5	1,2-dichloropropane	0.2 U
88V	75-01-4	vinyl chloride	1.0 U J	33V	10061-02-6	trans-1,3-dichloropropene	0.2 U
16V	75-00-3	chloroethane	1.0 U	87V	79-01-6	trichloroethene	6.2
44V	75-09-2	methylene chloride	14 ~~B~~ J	51V	124-48-1	dibromochloromethane	0.2 U
CL13	67-64-1	acetone	10 U	14V	79-00-5	1,1,2-trichloroethane	0.1 U
CL15	75-15-0	carbon disulfide	0.5 U	4V	71-43-2	benzene	0.45 ~~B~~ J
29V	75-35-4	1,1-dichloroethene	0.5 U	33V	10061-01-5	cis-1,3-dichloropropene	0.2 U
13V	75-34-3	1,1-dichloroethane	2.5	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	78	47V	75-25-2	bromoform	0.5 U
23V	67-66-3	chloroform	1.4	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	1.0 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 U	85V	127-18-4	tetrachloroethene	33 ~~B~~
11V	71-55-6	1,1,1-trichloroethane	0.1 U	86V	108-88-3	toluene	0.5 ~~B~~ J
6V	56-23-5	carbon tetrachloride	0.1 U	7V	108-90-7	chlorobenzene	0.1 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	0.1 U
48V	75-27-4	bromodichloromethane	0.2 U	CL18	100-42-5	styrene	0.1 U
				CL20		total xylenes	0.1 U

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

7/24/85

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490
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DATA PREP/RELEASE BY: DB / MGM

SAMPLE NO: J1296

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6082
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water

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

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/23/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	~~10 U~~ R	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	58A	100-02-7	4-nitrophenol	~~50 U~~ R
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~~ R
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 ~~10~~ 4
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

7/24/85

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

SAMPLE NO: J1296

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6082

CASE: 4201/1572J
QC REPORT: 1572J
CONTRACT NO: 68-01-6965

DATE SAMPLE REC'D: 4/18/85
SAMPLE MATRIX: water

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

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/16/85
CONC/DIL FACTOR: 1L/25ML

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.01 U
103P	319-85-7	b-BHC	0.01 U
104P	319-86-8	d-BHC	0.01 U
105P	58-89-9	g-BHC (lindane)	0.01 U
100P	76-44-8	heptachlor	0.01 U
89P	309-00-2	aldrin	0.01 U
101P	1024-57-3	heptachlor epoxide	0.01 U
95P	959-98-8	endosulfan I (A)	0.01 U
90P	60-57-1	dieldrin	0.02 U
93P	72-55-9	4,4'-DDE	0.02 U
98P	72-20-8	endrin	0.02 U
96P	33213-65-9	endosulfan II (B)	0.02 U
94P	72-54-8	4,4'-DDD	0.02 U
99P	7421-93-4	endrin aldehyde	0.02 U
97P	1031-07-8	endosulfan sulfate	0.02 U
92P	50-29-3	4,4'-DDT	0.02 U
CL21	72-43-5	methoxychlor	0.1 U
CL22	53494-70-5	endrin ketone	0.02 U
91P	57-74-9	chlordane	0.1 U
113P	8001-35-2	toxaphene	0.2 U
112P	12674-11-2	aroclor-1016	0.1 U
108P	11104-28-2	aroclor-1221	0.1 U
109P	11141-16-5	aroclor-1232	0.1 U
106P	53469-21-9	aroclor-1242	0.1 U
110P	12672-29-6	aroclor-1248	0.1 U
107P	11097-69-1	aroclor-1254	0.2 U
111P	11096-82-5	aroclor-1260	0.2 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

7/24/85

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO. 4201/1572J SAMPLE NO. J1296,

QC REPORT NO. 15725 LAB SAMPLE NO. S6OE201AB

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.	127-18-4	ETHENE, TETRACHLORO-	A/BN	255	978	38.8 UG/L
~~2.~~	~~507-45-9~~	~~BUTANE, 2,3-DICHLORO 2 METHYL-~~	~~A/BN~~	~~273~~	~~920~~	~~11.5 UG/L~~
3.	870-85-9	2-BUTENOICACID, 3-(METHYLAMINO)	A/BN	660	369	12.2 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
1. ETHENE, TETRACHLORO-	1. see VOA	1.
~~2. BUTANE, 2,3-DICHLORO 2 METHYL-~~	~~2. A~~	2. in Blank
3. 2-BUTENOICACID, 3-(METHYLAMINO)	3. C	3.

No volatile compounds found

7/24/85

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DATA PREP/RELEASE BY: DB / HAM

SAMPLE NO: J1297

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6083
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water
pH: NR

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

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED:5/7/85
DATE ANALYZED: 5/7/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	1.0 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	0.2 U
46V	74-83-9	bromomethane	1.0 U J	32V	78-87-5	1,2-dichloropropane	1.2
88V	75-01-4	vinyl chloride	1.0 U J	33V	10061-02-6	trans-1,3-dichloropropene	0.2 U
16V	75-00-3	chloroethane	1.0 U	87V	79-01-6	trichloroethene	5.7
44V	75-09-2	methylene chloride	13 ~~B~~ 4 J	51V	124-48-1	dibromochloromethane	0.2 U
CL13	67-64-1	acetone	10 U	14V	79-00-5	1,1,2-trichloroethane	0.1 U
CL15	75-15-0	carbon disulfide	0.5 J	4V	71-43-2	benzene	0.1 U
29V	75-35-4	1,1-dichloroethene	0.5 U	33V	10061-01-5	cis-1,3-dichloropropene	0.2 U
13V	75-34-3	1,1-dichloroethane	2.1	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	63	47V	75-25-2	bromoform	0.5 U
23V	67-66-3	chloroform	1.3	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	1.0 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 U	85V	127-18-4	tetrachloroethene	34 ~~B~~
11V	71-55-6	1,1,1-trichloroethane	0.75	86V	108-88-3	toluene	0.5 U
6V	56-23-5	carbon tetrachloride	0.1 U	7V	108-90-7	chlorobenzene	0.1 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	0.1 U
48V	75-27-4	bromodichloromethane	0.2 U	CL18	100-42-5	styrene	0.1 U
				CL20		total xylenes	0.1 U

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

5/24/85

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
[illegible], Alexandria, Virginia 22313 - 703/557-2490
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DATA PREP/RELEASE BY: DB / [illegible]

SAMPLE NO: J1297

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6083
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water

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

SEMIVOLATILE COMPOUNDS

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/24/85
CONC/DIL FACTOR: 1L/2ML

PP#	CAS#		ug/l	PP#	CAS#		ug/l
61B	62-75-9	N-nitrosodimethylamine	~~10 U~~ R	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	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~~ R
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 ~~JB~~ 4
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

[illegible] 7/24/85

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
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DATA PREP/RELEASE BY: DB, [illegible]

SAMPLE NO: J1297

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6083

CASE: 4201/1572J
QC REPORT: 1572J
CONTRACT NO: 68-01-6965

DATE SAMPLE REC'D: 4/18/85
SAMPLE MATRIX: water

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

PESTICIDES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED: 5/6/85
DATE ANALYZED: 5/16/85
CONC/DIL FACTOR: 1L/25ML

PP#	CAS#		ug/L
102P	319-84-6	a-BHC	0.01 U
103P	319-85-7	b-BHC	0.01 U
104P	319-86-8	d-BHC	0.01 U
105P	58-89-9	g-BHC (lindane)	0.01 U
100P	76-44-8	heptachlor	0.01 U
89P	309-00-2	aldrin	0.01 U
101P	1024-57-3	heptachlor epoxide	0.01 U
95P	959-98-8	endosulfan I (A)	0.01 U
90P	60-57-1	dieldrin	0.02 U
93P	72-55-9	4,4'-DDE	0.02 U
98P	72-20-8	endrin	0.02 U
96P	33213-65-9	endosulfan II (B)	0.02 U
94P	72-54-8	4,4'-DDD	0.02 U
99P	7421-93-4	endrin aldehyde	0.02 U
97P	1031-07-8	endosulfan sulfate	0.02 U
92P	50-29-3	4,4'-DDT	0.02 U
CL21	72-43-5	methoxychlor	0.1 U
CL22	53494-70-5	endrin ketone	0.02 U
91P	57-74-9	chlordane	0.1 U
113P	8001-35-2	toxaphene	0.2 U
112P	12674-11-2	aroclor-1016	0.1 U
108P	11104-28-2	aroclor-1221	0.1 U
109P	11141-16-5	aroclor-1232	0.1 U
106P	53469-21-9	aroclor-1242	0.1 U
110P	12672-29-6	aroclor-1248	0.1 U
107P	11097-69-1	aroclor-1254	0.2 U
111P	11096-82-5	aroclor-1260	0.2 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

[illegible] 5/24/85

ORGANICS ANALYSIS DATA SHEET

LAB NAME: CAL CASE NO 4201/1572J SAMPLE NO. J1297,

GC REPORT NO. 1572J LAB SAMPLE NO. S606301AB

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~~	~~127-18-4~~	~~ETHENE, TETRACHLORO-~~	~~A/BN~~	~~247~~	~~977~~	~~40.5 UG/L~~
2	597-93-3	5-NONANOL, 5-BUTYL-	A/BN	659	486	12.7 UG/L
3	5074-71-5	PHOSPHINE, BIS(PENTAFLUOROPHENY	A/BN	1388	266	9.5 UG/L

COMPOUND NAME	PROBABILITY	COMMENTS
~~1. ETHENE, TETRACHLORO-~~	~~1. D~~	1 See VOA
2. 5-NONANOL, 5-BUTYL-	2. B	2.
3 PHOSPHINE, BIS(PENTAFLUOROPHENY	3. C	3

No volatile compounds found

7/24/95

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DATA PREP/RELEASE BY: DB / WAM

SAMPLE NO: J1298

ORGANICS ANALYSIS DATA SHEET

LABORATORY: California Analytical Labs, Inc.
LAB SAMPLE NO: S6084
CONTRACT NO: 68-01-6965

CASE: 4201/1572J
QC REPORT: 1572J
PERCENT MOISTURE: NR

DATE SAMPLE REC'D: 5/1/85
SAMPLE MATRIX: water
pH: NR

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

VOLATILES

CONCENTRATION: LOW
DATE EXTRACTED/PREPARED:5/7/85
DATE ANALYZED: 5/7/85
CONC/DIL FACTOR: 1
PERCENT MOISTURE(DECANTED): NR

PP#	CAS#		ug/L	PP#	CAS#		ug/L
45V	74-87-3	chloromethane	1.0 U J	15V	79-34-5	1,1,2,2-tetrachloroethane	0.2 U
46V	74-83-9	bromomethane	1.0 U J	32V	78-87-5	1,2-dichloropropane	0.2 U
88V	75-01-4	vinyl chloride	1.0 U J	33V	10061-02-6	trans-1,3-dichloropropene	0.2 U
16V	75-00-3	chloroethane	1.0 U	87V	79-01-6	trichloroethene	0.1 U
44V	75-09-2	methylene chloride	2.0 U	51V	124-48-1	dibromochloromethane	0.2 U
CL13	67-64-1	acetone	10 U	14V	79-00-5	1,1,2-trichloroethane	0.1 U
CL15	75-15-0	carbon disulfide	0.5 U	4V	71-43-2	benzene	0.1 U
29V	75-35-4	1,1-dichloroethene	0.5 U	33V	10061-01-5	cis-1,3-dichloropropene	0.2 U
13V	75-34-3	1,1-dichloroethane	0.5 U	19V	110-75-8	2-chloroethylvinyl ether	10 U
30V	156-60-5	trans-1,2-dichloroethene	0.2 U	47V	75-25-2	bromoform	0.5 U
23V	67-66-3	chloroform	0.1 U	CL16	591-78-6	2-hexanone	10 U
10V	107-06-2	1,2-dichloroethane	1.0 U	CL17	108-10-1	4-methyl-2-pentanone	10 U
CL14	78-93-3	2-butanone	10 U	85V	127-18-4	tetrachloroethene	0.5 U
11V	71-55-6	1,1,1-trichloroethane	0.1 U	86V	108-88-3	toluene	0.5 U
6V	56-23-5	carbon tetrachloride	0.1 U	7V	108-90-7	chlorobenzene	0.1 U
CL19	108-05-4	vinyl acetate	10 U	38V	100-41-4	ethylbenzene	0.1 U
48V	75-27-4	bromodichloromethane	0.2 U	CL18	100-42-5	styrene	0.1 U
				CL20		total xylenes	0.1 U

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

7/24/85

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

Sample Number
J1278

Organics Analysis Data Sheet

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No Volatile compounds found			
2.				
3.				
4.				
5.				
6.				
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30.				

9/24/85