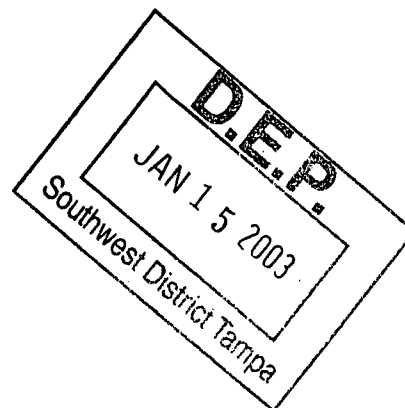
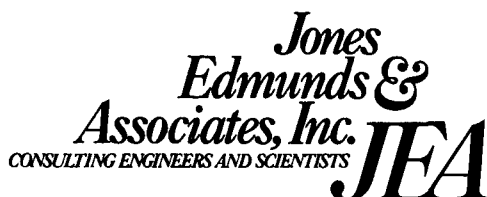




January 14, 2003

Mr. John Morris, P.G.
Florida Department of Environmental Protection - Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: Quarterly Leachate Sampling – Fourth Quarter 2002
Citrus County Landfill
Permit No. 21375-003-SO
JEA Project No. 03860-011-01

Dear Mr. Morris:

This report presents data from the Fourth Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on October 16, 2002.

The Leachate Effluent was sampled for the quarterly parameters as required by the permit. No exceedences were noted during Fourth Quarter, 2002.

Monthly Operating Reports (October, November, and December) and Weekly Leachate Effluent Analytical Reports are also included.

If you have any questions regarding this report, please contact us at (352) 377-5821.

Sincerely,

John D. Locklear
Project Manager

M:\EnvDocs\Citrus County\02q4 leachate\02q4leachate letter.doc

xc: Susan Metcalf, P.G.

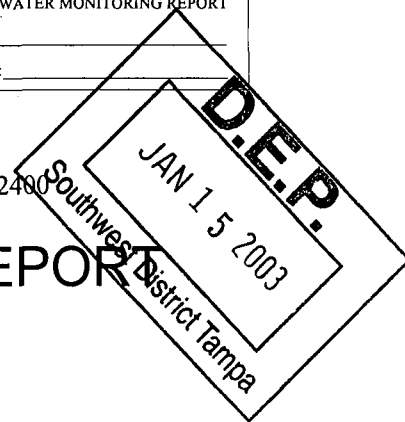
Attachments



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUNDWATER MONITORING REPORT

Rule 17-522.600 (11)



Part I GENERAL INFORMATION

- (1) Facility Name Citrus County Central Landfill
Address P.O. Box 340
City Lecanto, Florida Zip 34460-
Telephone Number _____
- (2) The GMS Identification Number SWD/09/39859
- (3) DER Permit Number 21375-003-SO
- (4) Authorized Representative Name Allan H. Biddlecomb, P.G.; Jones, Edmunds & Associates, Inc.
Address 730 N.E. Waldo Road, Bldg. A
City Gainesville, Florida Zip 32641-5699
Telephone Number (352) 377-5821
- (5) Type of Discharge Landfill
- (6) Method of Discharge Groundwater

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 1/14/03

Allan H. Biddlecomb
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization CompQAP # DEP SOP 001/01
- Analytical Lab CompQAP #/HRS Certification # 940304-9
CompQAP #/HRS Certification # _____
- Lab Name AccuTest
- Address 4405 Vineland Road Suite C-15 Orlando, FL 32811
- Phone Number (407) 425-6700

MONTHLY OPERATING REPORTS

OCT MOR 1

Domestic Wastewater Treatment Plant Monthly Operating Report

Part II - General Information

(1) Month OCT Year 2002

(2) Plant's WACS Facility Identification Number SWD/09/39859

(3) Plant Name Central Landfill Leachate Plant

(4) Plant Address SR 44 3 Miles East Lecanto

(5) City Lecanto

(6) County Citrus

(7) Phone Number (352) 527-7670

(8) Permit Number 21375-003-SO

(9) Plant Type 1-C

(10) Test Site Identification Number WACS No. 175

(11) Fecal Coliform Sample Method

X Membrane filter Most Probable Number

(12) Type Of Effluent Disposal or Reclaimed Water Use

N/A

(13) Limited Wet Weather Discharge Activated

Yes No X Not Applicable

(14) Cumulative Days Wet Weather Discharge N/A

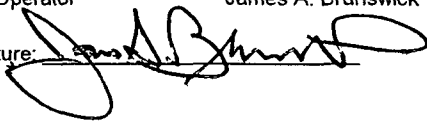
(15) Plant Staffing

Day Shift Operator Class C Cert. No. 8197

Evening Shift Operator Class Cert. No. N/A

Night Shift Operator Class Cert. No. N/A

Lead Operator James A. Brunswick

Signature:  Cert. No.

Parameter	Units	Storet Code	Value
(16) Monthly average daily flow	mgd	050053	0.008
(17) Permitted capacity	mgd		0.030
(18) Three month average daily flow	mgd	--	0.012
(19) Percent of permitted capacity	%	--	25%
(20) CBOD5 Effluent	mg/L	080082	4.3
(21) CBOD5 Effluent	lbs/day	--	N/A
(22) TSS Effluent	mg/L	900201	1.3
(23) TSS Effluent	lbs/day	--	N/A
(24) Minimum pH		--	7.1
(25) Maximum pH		--	8.4
(26) Total N	mg/L	000600	N/A
(27) TKN	mg/L	000625	N/A
(28) Ammonia (NH3 - N)	mg/L	000610	N/A
(29) Nitrate	mg/L	071850	1.59
(30) Total Phosphorus	mg/L	000665	N/A
(31) Minimum Chlorine Residual	mg/L	--	0.0
(32) Maximum Chlorine Residual	mg/L	--	0.0
(33) Other Effluent Parameters			
COD	mg/L		N/A

C-8197

Month OCT Year 2002

[illegible]

Lead Operator: This is to certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief this information is true, complete, and accurate.

Subscribed: James D. Brown

Date: 11/8/03

Name (Please Type) James Brunswick

Company Name Citrus County Utilities Division

Telephone No. (Please Type) (352)-527-7670

NOV MOR 1

Domestic Wastewater Treatment Plant Monthly Operating Report

Part II - General Information

(1) Month NOV Year 2002

(2) Plant's WACS Facility Identification Number SWD/09/39859

(3) Plant Name Central Landfill Leachate Plant

(4) Plant Address SR 44 3 Miles East Lecanto

(5) City Lecanto

(6) County Citrus

(7) Phone Number (352)-527-7670

(8) Permit Number 21375-003-SO

(9) Plant Type 1-C

(10) Test Site Identification Number WACS No. 175

(11) Fecal Coliform Sample Method

X Membrane filter Most Probable Number

(12) Type Of Effluent Disposal or Reclaimed Water Use

N/A

(13) Limited Wet Weather Discharge Activated

Yes No X Not Applicable

(14) Cumulative Days Wet Weather Discharge N/A

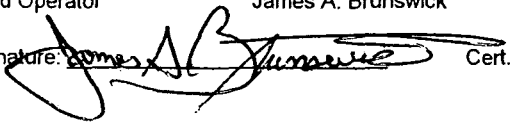
(15) Plant Staffing

Day Shift Operator Class C Cert. No. 8197

Evening Shift Operator Class Cert. No. N/A

Night Shift Operator Class Cert. No. N/A

Lead Operator James A. Brunswick

Signature:  Cert. No. 8197

Parameter	Units	Storet Code	Value
(16) Monthly average daily flow	mgd	050053	0.010
(17) Permitted capacity	mgd		0.030
(18) Three month average daily flow	mgd	-	0.021
(19) Percent of permitted capacity	%	-	33%
(20) CBOD5 Effluent	mg/L	080082	4.0
(21) CBOD5 Effluent	lbs/day	-	N/A
(22) TSS Effluent	mg/L	900201	5.1
(23) TSS Effluent	lbs/day	-	N/A
(24) Minimum pH		-	7.1
(25) Maximum pH		-	8.1
(26) Total N	mg/L	000600	N/A
(27) TKN	mg/L	000625	N/A
(28) Ammonia (NH3 - N)	mg/L	000610	N/A
(29) Nitrate	mg/L	071850	4.45
(30) Total Phosphorus	mg/L	000665	N/A
(31) Minimum Chlorine Residual	mg/L	-	N/A
(32) Maximum Chlorine Residual	mg/L	-	N/A
(33) Other Effluent Parameters			
COD	mg/L		N/A

Month NOV Year 2002

Telephone No. (Please Type) (352)-527-7670

[illegible]

Month DEC Year 2002

[illegible]

Field Operator: This is to certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief this information is true, complete, and accurate.

Signed: Thomas H. Jones

Date: 1/8/03

Name (Please Type) James Brunswick

Company Name Citrus County Utilities Division

Telephone No. (Please Type) (352)-527-7670

WEEKLY EFFLUENT ANALYTICAL REPORTS

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: CITRUS COUNTY SOLID WASTE
PO BOX 340
LECANTO FL 3446

PROJECT: LACHATE LANDFILL

DATE SAMPLED: 10/2/02 0900 HRS

INVOICE NO.: 5324

DATE RECEIVED: 10/2/02 1140 HRS

CLIENT TRACK NO: E021701

DATE REPORTED: 10/11/02

SAMPLE DESCRIPTION: WWTP/EFF

E02-021701 RID = 02-10-1

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	4.06	0.5 mg/L	LP 10/2/02 1200 HRS
SM2540-D	TSS	mg/L	6.5	1.0 mg/L	CK 10/4/02 0830 HRS
SM4500NO3-B	NITRATE	mg/L	0.32	0.1 mg/L	CK 10/3/02 1100 HRS

Sally Ann Canillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: CITRUS COUNTY SOLID WASTE
PO BOX 340
LECANTO FL 3446

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 10/9/02 0930 HRS
DATE RECEIVED: 10/9/02 1225 HRS
DATE REPORTED: 10/16/02

INVOICE NO.: 5324
CLIENT TRACK NO: E021779A
SAMPLE DESCRIPTION: WWTP-INF

102-021779a *RI=02-10-2*

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE TIME
SM5210-B	CBOD	mg/L	708.0	0.5 mg/L	LP 10/9/02 1200 HRS
SM2540-D	TSS	mg/L	10.5	1.0 mg/L	CK 10/10/02 0915 HRS
SM4500NO3-E	NITRATE	mg/L	0.10	0.1 mg/L	CK 10/9/02 1330 HRS

DATE SAMPLED: 10/9/02 0935 HRS
DATE RECEIVED: 10/9/02 1225 HRS
DATE REPORTED: 10/16/02

SAMPLE DESCRIPTION: WWTP-EFF *E021779b*

E02-021779b *RI=02-10-2*

METHOD	COMPONENT	UNITS	RESULTS	REMOVAL MDL mg/L	ANALYST/DATE TIME
SM5210-B	CBOD	mg/L	13.73 CL 2: <0.5	98.06% 0.5 mg/L	LP 10/9/02 1200 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	CK 10/10/02 0915 HRS
SM4500NO3-E	NITRATE	mg/L	0.18	0.1 mg/L	CK 10/9/02 1330 HRS

Sally Ann Cassillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: CITRUS COUNTY SOLID WASTE
PO BOX 340
LECANTO FL 3446

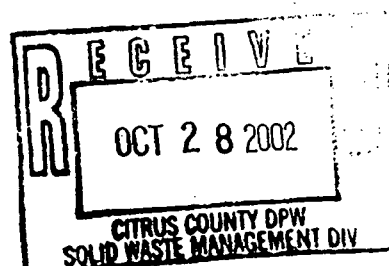
PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 10/16/02 0935 HRS
DATE RECEIVED: 10/16/02 1150 HRS
DATE REPORTED: 10/24/02

INVOICE NO.: 5324
CLIENT TRACK NO: E021825
SAMPLE DESCRIPTION: WWTP/EFF

E02-021825 RID=02-10-4

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	4.74	0.5 mg/L	LP 10/17/02 1430 HRS
SM2540-D	TSS	mg/L	1.0	1.0 mg/L	CK 10/17/02 0910 HRS
SM4500NO3-B	NITRATE	mg/L	1.0	0.1 mg/L	CK 10/16/02 1330 HRS



Sally Ann Camillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: CITRUS COUNTY SOLID WASTE
PO BOX 340
LECANTO FL 3446

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 10/23/02 0525 HRS

DATE RECEIVED: 10/23/02 1120 HRS

DATE REPORTED: 10/29/02

INVOICE NO.: 5324

CLIENT TRACK NO: E021861

SAMPLE DESCRIPTION: WWTP/EFF

E02-021861 RID=02-10-6

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	3.36	0.5 mg/L	LP 10/23/02 1230 HRS
SM2540-D	TSS	mg/L	1.5	1.0 mg/L	CK 10/24/02 0930 HRS
SM4500NO3-B	NITRATE	mg/L	5.0	0.1 mg/L	CK 10/23/02 1135 HRS

Sally Ann Canillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: CITRUS COUNTY SOLID WASTE
PO BOX 340
LECANTO FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 10/30/02 1025 HRS
DATE RECEIVED: 10/30/02 1100 HRS
DATE REPORTED: 11/6/02

INVOICE NO.: 5324
CLIENT TRACK NO: E021887
SAMPLE DESCRIPTION: WWTP/EFF

E02-021887 RID = 02-10-7

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	4.86	0.5 mg/L	LP 10/30/02 1245 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK 10/31/02 1100 HRS
SM4500NO3-B	NITRATE	mg/L	0.17	0.1 mg/L	CK 10/31/02 1030 HRS

Sally Ann Canillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 11/7/02 1100 HRS
DATE RECEIVED: 11/7/02 1220 HRS
DATE REPORTED: 11/13/02

INVOICE NO.: 5384
CLIENT TRACK NO: E021970
SAMPLE DESCRIPTION: WWTP/EFF

E02-1970 RID = 02-11-1

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	2.90	0.5 mg/L	LP 11/7/02 1300 HRS
SM2540-D	TSS	mg/L	4.0	1.0 mg/L	CK 11/8/02 0800 HRS
SM4500NO3-B	NITRATE	mg/L	1.7	0.1 mg/L	CK 11/7/02 1100 HRS

Sally Ann Carrillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.

LABORATORY CERTIFICATION

ID # E84492

TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 11/13/02 1010 HRS

DATE RECEIVED: 11/13/02 1010 HRS

DATE REPORTED: 11/19/02

INVOICE NO.: 5384

CLIENT TRACK NO: E022006

SAMPLE DESCRIPTION: WWTP/EFF

E02-2006b RID = 02-11-3

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	5.90	0.5 mg/L	LP 11/13/02 1500 HRS
SM2540-D	TSS	mg/L	6.0	1.0 mg/L	CK 11/13/02 1345 HRS
SM4500NO3-B	NITRATE	mg/L	6.8	0.1 mg/L	CK 11/14/02 1005 HRS

Sally Ann Carrillo
LABORATORY MANAGER

FROM : SAC-LAB-----

PHONE NO. : 904 621 3514

Dec. 06 2002 02:27PM P4

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34448

LABORATORY CERTIFICATION

ID # E84492

TEST REPORT

CUSTOMER: SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 11/20/02 1010 HRS

INVOICE NO.: 5384

DATE RECEIVED: 11/20/02 1100 HRS

CLIENT TRACK NO: E022053

DATE REPORTED: 11/26/02

SAMPLE DESCRIPTION: WWTP/EFF

E02-2053 RID = 02-11-4

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	3.97	0.5 mg/L	LP 11/20/02 1300 HRS
SM2540-D	TSS	mg/L	6.5	1.0 mg/L	CK 11/22/02 0900 HRS
SM4500NO3-B	NITRATE	mg/L	6.3	0.1 mg/L	CK 11/20/02 1115 HRS

Sally Ann Carrillo
LABORATORY MANAGER

FROM : SAC-LAB-----

PHONE NO. : 904 621 3514

Dec. 06 2002 02:27PM PS

352-821-3513
352-821-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34448

CUSTOMER: SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO, FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 11/26/02 0950 HRS
DATE RECEIVED: 11/26/02 1150 HRS
DATE REPORTED: 12/03/02

INVOICE NO.: 5384
CLIENT TRACK NO: E022077
SAMPLE DESCRIPTION: WWTP/EFF

E02-2077 RID = 02-11-5

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	3.41	0.5 mg/L	LP 11/27/02 1200 HRS
SM2540-D	TSS	mg/L	4.0	1.0 mg/L	CK 11/27/02 0920 HRS
SM4500NO3-B	NITRATE	mg/L	3.0	0.1 mg/L	CK 11/27/02 1020 HRS

Sally Ann Canillo
LABORATORY MANAGER

352-621-3513
352-621-3514 FAX

S.A.C. ENVIRONMENTAL LABORATORY, INC.
LABORATORY CERTIFICATION
ID # E84492
TEST REPORT

5376 S. SUNCOAST BLVD.
HOMOSASSA, FL 34446

CUSTOMER: SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

PROJECT: LEACHATE - LANDFILL
PO 50120

DATE SAMPLED: 12/4/02 1000 HRS

DATE RECEIVED: 12/4/02 1105 HRS

DATE REPORTED: 12/11/02

INVOICE NO.: 5441

CLIENT TRACK NO: E022115

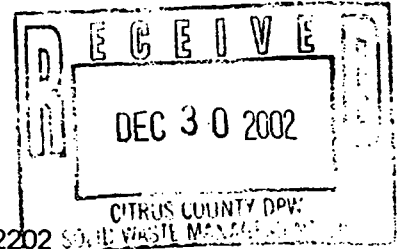
SAMPLE DESCRIPTION: WWTP/EFF

E02-2115 RID = 02-12-1

METHOD	COMPONENT	UNITS	RESULTS	MDL mg/L	ANALYST/DATE
SM5210-B	CBOD	mg/L	2.12	0.5 mg/L	LP 112/4/02 1230 HRS
SM2540-D	TSS	mg/L	5.5	1.0 mg/L	CK 12/5/02 0900 HRS
SM4500NO3-B	NITRATE	mg/L	1.1	0.1 mg/L	CK 12/4/02 1035 HRS

Sally Ann Carrillo
LABORATORY MANAGER

S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT



Client CITRUS COUNTY UTILITIES

Sample Number E022202

Project LEACHATE LANDFILL

Date/Time Sampled 12/11/02 1000 HRS

Project No 50120

Date/Time Received 12/11/02 1155 HRS

Sample Description WWTP/INF

Invoice Number 5440

E02-2202a RID = 02-12-2

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	112.0	0.5 mg/L	LP	12/11/02 1400 HRS
SM2540-D	TSS	mg/L	54.0	1.0 mg/L	CK	12/12/02 0900 HRS

E02-2202b RID = 02-12-3

Date/Time Sampled 12/11/02 1400 HRS

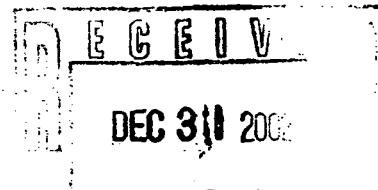
Sample Description WWTP/EFF

Date/Time Received 12/12/02 1400 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.84	98.36% 0.5 mg/L	LP	12/11/02 1400 HRS
SM2540-D	TSS	mg/L	6.5	88.0% 1.0 mg/L	CK	12/12/02 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	1.9	0.10 mg/L	CK	12/12/02 1100 HRS

Sally Ann Carrillo
 Laboratory Manager

S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT



Client CITRUS COUNTY UTILITIES

Sample Number E022242

Project LEACHATE PLANT

Date/Time Sampled 12/18/02 1145 HRS

Sample Description WWTP/EFF

Date/Time Received 12/18/02 1235 HRS

Invoice Number 5441

E02-2242 R15=02-12-4

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.59	0.5 mg/L	LP	12/18/02 1430 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK	12/19/02 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	2.7	0.10 mg/L	CK	12/19/02 1310 HRS

Sally Ann Cassillo
Laboratory Manager

S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT

Client CITRUS COUNTY UTILITIES

Sample Number E022288

Project LEACHATE PLANT

Date/Time Sampled 12/26/02 0930 HRS

Sample Description WWTP/EFF

Date/Time Received 12/26/02 1135 HRS

Invoice Number 5441

E02-2288 R1b=02-12-5

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.61	0.5 mg/L	LP	12/26/02 1400 HRS
SM2540-D	TSS	mg/L	1.5	1.0 mg/L	CK	12/27/02 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	2.0	0.10 mg/L	CK	12/26/02 1330 HRS

John L. Puroh
for
Laboratory Manager

**PARAMETER MONITORING REPORT
QUARTERLY LEACHATE**

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility WACS #: SWD/09/39859

Test Site ID #: 175

Well Name: Leachate Effluent

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 10/16/02 9:55:00 AM

Report Period: FOURTH QUARTER 2002

Well Purged:

Well Type: ☐ Background
☐ Intermediate
☐ Compliance
☐ Other
☐ Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	No	EPA 160.1	10/19/02	1820	mg/L	10 mg/L
00940	CHLORIDE	GRAB	No	EPA 300/SW846 9056	10/24/02 12:19:37 PM	1040	mg/L	200 mg/L
81522	ETHYLENE DIBROMIDE	GRAB	No	EPA 504.1	10/25/02 11:03:00 AM	<0.94	µg/L	0.94 µg/L
34030	BENZENE	GRAB	No	EPA 601/602	10/25/02 1:08:00 PM	<1	µg/L	1 µg/L
34371	ETHYLBENZENE	GRAB	No	EPA 601/602	10/25/02 1:08:00 PM	<1	µg/L	1 µg/L
34010	TOLUENE	GRAB	No	EPA 601/602	10/25/02 1:08:00 PM	<1	µg/L	1 µg/L
81551	XYLENES	GRAB	No	EPA 601/602	10/25/02 1:08:00 PM	<3	µg/L	3 µg/L
00929	SODIUM	GRAB	No	SW846 6010B	10/23/02 2:12:00 PM	581000	µg/L	50000 µg/L

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results**Sampling Date/Time:** 10/16/02**Facility WACS #:** SWD/09/39859**Report Period:** FOURTH QUARTER 2002**Test Site ID #:****Well Purged:****Well Name:** TRIP (02S2TRIP BLANKS)**Well Type:** ☐ Background☐ Intermediate**Classification of Ground Water:** QC☐ Compliance**Ground Water Elevation (NGVD):**☐ Other☐ Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
81522	ETHYLENE DIBROMIDE		No	EPA 504.1	10/24/02 11:35:00 PM	<0.019	µg/L	0.019 µg/L
34030	BENZENE		No	EPA 601/602	10/25/02 1:35:00 PM	<1	µg/L	1 µg/L
34371	ETHYLBENZENE		No	EPA 601/602	10/25/02 1:35:00 PM	<1	µg/L	1 µg/L
34010	TOLUENE		No	EPA 601/602	10/25/02 1:35:00 PM	<1	µg/L	1 µg/L
81551	XYLENES		No	EPA 601/602	10/25/02 1:35:00 PM	<3	µg/L	3 µg/L

**ORIGINAL LABORATORY REPORTS
LEACHATE**

11/06/02

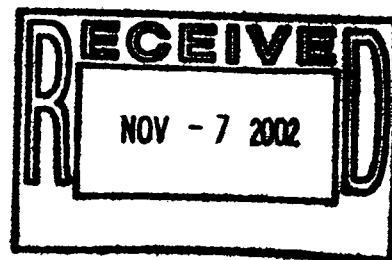
Technical Report for

Jones, Edmonds & Associates, Inc.

Citrus County-Central Landfill

03860-011-01

Accutest Job Number: F15072



Report to:

Jones, Edmunds, & Associates

lmcdaniel@jea.net

ATTN: Katherine Weitz

Total number of pages in report: 8



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Harry Behzadi, Ph.D.
Laboratory Director

Certification: Florida DOH E83510

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Accutest Laboratories

Sample Summary

Jones, Edmonds & Associates, Inc.

Job No: F15072

Citrus County-Central Landfill
Project No: 03860-011-01

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
F15072-1	10/16/02	09:55	WGH	10/16/02 AQ Water	EFFLUENT LEACHATE
F15072-2	10/16/02	00:00	WGH	10/16/02 AQ Trip Blank Water	TRIP BLANKS

Report of Analysis

Page 1 of 1

Client Sample ID: EFFLUENT LEACHATE
 Lab Sample ID: F15072-1
 Matrix: AQ - Water
 Method: EPA 601/602
 Project: Citrus County-Central Landfill

Date Sampled: 10/16/02
 Date Received: 10/16/02
 Percent Solids: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD032701.D	1	10/25/02	RM	n/a	n/a	GCD1293
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	101%		74-127%
98-08-8	aaa-Trifluorotoluene	101%		73-135%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	EFFLUENT LEACHATE				
Lab Sample ID:	F15072-1			Date Sampled:	10/16/02
Matrix:	AQ - Water			Date Received:	10/16/02
Method:	EPA 504.1 EPA 504			Percent Solids:	n/a
Project:	Citrus County-Central Landfill				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	AB23277.D	50	10/25/02	NJ	10/24/02	OP6177	GAB850
Run #2							

	Initial Volume	Final Volume
Run #1	37.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.94	0.47	ug/l	

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: EFFLUENT LEACHATE

Lab Sample ID: F15072-1

Matrix: AQ - Water

Date Sampled: 10/16/02

Date Received: 10/16/02

Percent Solids: n/a

Project: Citrus County-Central Landfill

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Sodium	581000	50000	ug/l	10	10/18/02	10/23/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: EFFLUENT LEACHATE
Lab Sample ID: F15072-1
Matrix: AQ - Water
Project: Citrus County-Central Landfill

Date Sampled: 10/16/02
Date Received: 10/16/02
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed By	Method
Chloride	1040	200	mg/l	10	10/24/02 LL	EPA 300/SW846 9056
Solids, Total Dissolved	1820	10	mg/l	1	10/19/02 SJL	EPA 160.1
Turbidity	1.86	1.0	NTU	1	10/16/02 EP	EPA 180.1

Field Parameters

Oxygen, Dissolved (Field)	2.93	1.0	mg/l	1	10/16/02 EP	EPA 360.1
Specific Conductivity (Field)	2560	0.50	umhos/cm	1	10/16/02 EP	EPA 120.1
Temperature (Field)	22.3		Deg. C	1	10/16/02 EP	EPA 170.1
pH (Field)	7.52		su	1	10/16/02 SJL	EPA 150.1

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	TRIP BLANKS	Date Sampled:	10/16/02
Lab Sample ID:	F15072-2	Date Received:	10/16/02
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	EPA 601/602		
Project:	Citrus County-Central Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD032702.D	1	10/25/02	RM	n/a	n/a	GCD1293
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
352-33-0	1-Chloro-4-fluorobenzene	77%		74-127%
98-08-8	aaa-Trifluorotoluene	96%		73-135%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	TRIP BLANKS	Date Sampled:	10/16/02
Lab Sample ID:	F15072-2	Date Received:	10/16/02
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	EPA 504.1 EPA 504		
Project:	Citrus County-Central Landfill		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB23261.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849
Run #2							

	Initial Volume	Final Volume
Run #1	37.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST QUOTE:

~~F15072~~

[illegible]

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Blank Spike Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD1293-BS	CD032696.D1		10/25/02	RM	n/a	n/a	GCD1293

The QC reported here applies to the following samples:

Method: EPA 601/602

F15072-1, F15072-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	19.3	97	88-121
100-41-4	Ethylbenzene	20	19.5	98	86-125
108-88-3	Toluene	20	19.7	99	89-123
1330-20-7	Xylenes (total)	60	59.7	100	89-124

CAS No.	Surrogate Recoveries	BSP	Limits
352-33-0	1-Chloro-4-fluorobenzene	98%	74-127%
98-08-8	aaa-Trifluorotoluene	106%	73-135%

Blank Spike Summary

Page 1 of 1

Job Number: F15072
Account: JEAFGLA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6177-BS	AB23248.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849

The QC reported here applies to the following samples:

Method: EPA 504.1

F15072-1, F15072-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.27	108	80-120

Blank Spike Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6177-BS2	AB23249.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849

The QC reported here applies to the following samples:

Method: EPA 504.1

F15072-1, F15072-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.26	104	80-120

Method Blank Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD1293-MB	CD032697.D1		10/25/02	RM	n/a	n/a	GCD1293

The QC reported here applies to the following samples:

Method: EPA 601/602

F15072-1, F15072-2

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
352-33-0	1-Chloro-4-fluorobenzene	81%	74-127%
98-08-8	aaa-Trifluorotoluene	100%	73-135%

Method Blank Summary

Page 1 of 1

Job Number: F15072

Account: JEAFGLA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6177-MB	AB23250.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849

The QC reported here applies to the following samples:

Method: EPA 504.1

F15072-1, F15072-2

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

Method Blank Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6177-MB	AB23276.D	1	10/25/02	NJ	10/24/02	OP6177	GAB850

The QC reported here applies to the following samples:

Method: EPA 504.1

F15072-1, F15072-2

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F15072-2MS	CD032703.D1		10/25/02	RM	n/a	n/a	GCD1293
F15072-2MSD	CD032704.D1		10/25/02	RM	n/a	n/a	GCD1293
F15072-2	CD032702.D1		10/25/02	RM	n/a	n/a	GCD1293

The QC reported here applies to the following samples:

Method: EPA 601/602

F15072-1, F15072-2

CAS No.	Compound	F15072-2 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	18.7	94	18.0	90	4	77-127/9
100-41-4	Ethylbenzene	ND	20	18.7	94	18.1	91	3	68-136/11
108-88-3	Toluene	ND	20	18.9	95	18.3	92	3	78-128/9
1330-20-7	Xylenes (total)	ND	60	57.0	95	55.2	92	3	71-136/11

CAS No.	Surrogate Recoveries	MS	MSD	F15072-2	Limits
352-33-0	1-Chloro-4-fluorobenzene	102%	98%	77%	74-127%
98-08-8	aaa-Trifluorotoluene	111%	106%	96%	73-135%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6177-MS	AB23252.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849
OP6177-MSD	AB23253.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849
F15097-4	AB23251.D	1	10/24/02	NJ	10/24/02	OP6177	GAB849

The QC reported here applies to the following samples:

Method: EPA 504.1

F15072-1, F15072-2

CAS No.	Compound	F15097-4 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-93-4	1,2-Dibromoethane	ND	0.228	0.24	105	0.26	109	8	74-120/22

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: F15072

Account: JEAFLGA Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

Method: EPA 601/602

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S2 ^a
F15072-1	CD032701.D	101.0	101.0
F15072-2	CD032702.D	77.0	96.0
F15072-2MS	CD032703.D	102.0	111.0
F15072-2MSD	CD032704.D	98.0	106.0
GCD1293-BS	CD032696.D	98.0	106.0
GCD1293-MB	CD032697.D	81.0	100.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = 1-Chloro-4-fluorobenzene	74-127%
-------------------------------	---------

S2 = aaa-Trifluorotoluene	73-135%
---------------------------	---------

(a) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Check Std:	GCD1292-CC1275	Injection Date:	10/25/02
Lab File ID:	CD032695.D	Injection Time:	08:43
Instrument ID:	GCCD	Method:	EPA 601/602

	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
Check Std	11.42	11.65	8.51	8.74

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT	S2 ^a RT	S2 ^b RT
GCD1292-BS	CD032696.D	10/25/02	09:10		11.65		8.73
GCD1293-BS	CD032696.D	10/25/02	09:10		11.65		8.73
GCD1292-MB	CD032697.D	10/25/02	09:51		11.66		8.75
GCD1293-MB	CD032697.D	10/25/02	09:51		11.66		8.75
ZZZZZZ	CD032698.D	10/25/02	10:29		11.66		8.75
ZZZZZZ	CD032699.D	10/25/02	11:59		11.66		8.74
ZZZZZZ	CD032700.D	10/25/02	12:28		11.65		8.74
F15072-1	CD032701.D	10/25/02	13:08		11.67		8.75
F15072-2	CD032702.D	10/25/02	13:35		11.66		8.74
F15072-2MS	CD032703.D	10/25/02	14:46		11.66		8.75
F15072-2MSD	CD032704.D	10/25/02	15:13		11.66		8.75
ZZZZZZ	CD032705.D	10/25/02	15:40	11.43	11.66	8.53	8.74

Surrogate Compounds

S1 = 1-Chloro-4-fluorobenzene
S2 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: F15072
Account: JEAFGLA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GAB849-ICC849
Lab FileID: AB23241.D

Page 1 of 1

Response Factor Report ECD 1

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002

Calibration Files

.125 =AB23240.D 0.25 =AB23241.D 0.50 =AB23242.D
0.75 =AB23243.D 1.0 =AB23244.D

	Compound	.125	0.25	0.50	0.75	1.0	Avg	%RSD
1)	1,2-Dibromoethane	3.269	3.030	2.725	2.661	2.625	2.862 E4	9.71
2)	1,2-Dibromo-3-chlorop	6.953	6.468	5.975	5.888	5.713	6.199 E4	8.16

Signal #2 Calibration Files

.125 =AB23240.D 0.25 =AB23241.D 0.50 =AB23242.D
0.75 =AB23243.D 1.0 =AB23244.D

	Compound	.125	0.25	0.50	0.75	1.0	Avg	%RSD
1)	1,2-Dibromoethane	1.994	1.793	1.627	1.604	1.606	1.725 E4	9.85
2)	1,2-Dibromo-3-chlorop	3.147	2.986	2.878	2.908	2.769	2.938 E4	4.79

(#) = Out of Range

504_1.M

Fri Oct 25 10:43:57 2002 RPT1

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GAB849-CC849
Lab FileID: AB23258.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1024EDB\AB23258.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\1024EDB\AB23258.D\ECD2B.CH
Acq On : 24 Oct 2002 10:20 pm Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab849,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	1,2-Dibromoethane	0.500	0.477	4.6	100	0.00
2	1,2-Dibromo-3-chloropropane	0.500	0.490	2.0	102	0.00

Signal #2

1	1,2-Dibromoethane	0.500	0.483	3.4	102	0.00
2	1,2-Dibromo-3-chloropropa	0.500	0.501	-0.2	102	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #1 : C:\HPCHEM\1\DATA\1024EDB\AB23258.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\1024EDB\AB23258.D\ECD2B.CH
Acq On : 24 Oct 2002 10:20 pm Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab849,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
--	----------	--------	-------	------	-------	----------

Signal #2

(#) = Out of Range
AB23242.D 504_1.M

SPCC's out = 0 CCC's out = 0
Fri Oct 25 10:44:21 2002 RPT1

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GAB849-CC849
Lab FileID: AB23264.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1024EDB\AB23264.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\1024EDB\AB23264.D\ECD2B.CH
Acq On : 25 Oct 2002 12:50 am Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab849,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	1,2-Dibromoethane	0.500	0.473	5.4	99	0.00
2	1,2-Dibromo-3-chloropropane	0.500	0.484	3.2	100	0.00

Signal #2

1	1,2-Dibromoethane	0.500	0.483	3.4	102	0.00
2	1,2-Dibromo-3-chloropropa	0.500	0.505	-1.0	103	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #1 : C:\HPCHEM\1\DATA\1024EDB\AB23264.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\1024EDB\AB23264.D\ECD2B.CH
Acq On : 25 Oct 2002 12:50 am Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab849,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
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Signal #2

(#) = Out of Range
AB23242.D 504_1.M

SPCC's out = 0 CCC's out = 0
Fri Oct 25 10:44:22 2002 RPT1

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFGLA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GAB850-CC849
Lab FileID: AB23275.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1025EDB\AB23275.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\1025EDB\AB23275.D\ECD2B.CH
Acq On : 25 Oct 2002 10:13 am Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab850,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	1,2-Dibromoethane	0.500	0.440	12.0	92	0.00
2	1,2-Dibromo-3-chloropropane	0.500	0.484	3.2	100	0.00

Signal #2

1	1,2-Dibromoethane	0.500	0.460	8.0	98	0.00
2	1,2-Dibromo-3-chloropropa	0.500	0.516	-3.2	105	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #1 : C:\HPCHEM\1\DATA\1025EDB\AB23275.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\1025EDB\AB23275.D\ECD2B.CH
Acq On : 25 Oct 2002 10:13 am Operator: nareshj
Sample : CC849-0.50 Inst : ECD 1
Misc : op6177,gab850,35.0,,,2,,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
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Signal #2

(#) = Out of Range
AB23242.D 504_1.M

SPCC's out = 0 CCC's out = 0
Fri Oct 25 12:15:35 2002 RPT1

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAF LGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GAB850-ECC849
Lab FileID: AB23278.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\1025EDB\AB23278.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\1025EDB\AB23278.D\ECD2B.CH
Acq On : 25 Oct 2002 11:30 am Operator: nareshj
Sample : ECC849-0.25 Inst : ECD 1
Misc : op6177,gab850,35.0,,,2,50,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	1,2-Dibromoethane	0.250	0.244	2.4	92	0.00
2	1,2-Dibromo-3-chloropropane	0.250	0.259	-3.6	99	0.00

Signal #2

1	1,2-Dibromoethane	0.250	0.255	-2.0	98	0.00
2	1,2-Dibromo-3-chloropropa	0.250	0.264	-5.6	104	0.00

Evaluate Continuing Calibration Report - Not Found

Signal #1 : C:\HPCHEM\1\DATA\1025EDB\AB23278.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA\1025EDB\AB23278.D\ECD2B.CH
Acq On : 25 Oct 2002 11:30 am Operator: nareshj
Sample : ECC849-0.25 Inst : ECD 1
Misc : op6177,gab850,35.0,,,2,50,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : C:\HPCHEM\1\METHODS\504_1.M (Chemstation Integrator)
Title : EDB/DBCP by EPA 504.1 or SW846 8011
Last Update : Fri Oct 25 08:40:38 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
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Signal #2

(#) = Out of Range
AB23241.D 504_1.M

SPCC's out = 0 CCC's out = 0
Fri Oct 25 12:15:51 2002 RPT1

Initial Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GCD1275-ICC1275
Lab FileID: CD032214.D

Response Factor Report VOA2

Method : C:\HPCHEM\1\METHODS\DUAL75.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Wed Oct 09 12:41:10 2002
Response via : Initial Calibration

Calibration Files

1 =CD032212.D 2 =CD032213.D 3 =CD032214.D
4 =CD032215.D 5 =CD032216.D 6 =CD032217.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) Methyl tert Butyl E	1.106	1.134	1.088	1.123	1.065	1.049	1.094	E3 3.04
2) Di-Isopropyl ether	1.992	1.938	1.867	1.895	1.834	1.816	1.890	E3 3.51
3) BENZENE	5.498	5.464	5.348	5.366	5.303	5.268	5.375	E3 1.67
4) S a,a,a-TFT(S)	1.280	1.356	1.320	1.405	1.373	1.437	1.362	E3 4.17
5) TOLUENE	5.420	5.285	5.252	5.315	5.304	5.273	5.308	E3 1.11
6) S 1-Chloro-4-Fluorobe		2.196	2.283	2.511	2.511	2.639	2.428	E3 7.52
7) CHLOROBENZENE	6.028	5.535	5.519	5.681	5.697	5.683	5.690	E3 3.22
8) ETHYLBENZENE	5.238	4.871	4.779	4.847	4.829	4.776	4.890	E3 3.57
9) m,p-XYLENE	4.895	5.000	5.008	5.124	5.107	5.041	5.029	E3 1.65
10) o-XYLENE	4.696	4.790	4.769	4.831	4.808	4.743	4.773	E3 1.01
11) 1,3-DICHLOROBENZENE	3.130	3.690	4.218	4.590	4.707	4.763	4.183	E3 15.60
----- Linear regression ----- Coefficient = 0.9997								
Response Ratio = -6499.25202 + 4806.12096 *A								
12) 1,4-DICHLOROBENZENE	2.854	3.515	4.099	4.516	4.679	4.768	4.072	E3 18.52
----- Linear regression ----- Coefficient = 0.9994								
Response Ratio = -8113.82597 + 4813.73564 *A								
13) 1,2-DICHLOROBENZENE		3.356	3.655	3.908	3.961	3.989	3.774	E3 7.11

Signal #2

1) Methyl tert Butyl E	1.316	1.446	1.429	1.493	1.423	1.382	1.415	E3 4.27
2) Di-Isopropyl ether	2.313	2.428	2.438	2.478	2.416	2.383	2.409	E3 2.34
3) BENZENE	6.577	6.794	6.778	6.862	6.819	6.741	6.762	E3 1.46
4) S a,a,a-TFT(S)	1.625	1.742	1.731	1.854	1.822	1.881	1.776	E3 5.35
5) TOLUENE	6.428	6.590	6.642	6.797	6.733	6.682	6.645	E3 1.93
6) S 1-Chloro-4-Fluorobe		2.974	3.146	3.477	3.461	3.624	3.336	E3 8.01
7) CHLOROBENZENE	7.787	7.054	7.089	7.325	7.355	7.307	7.320	E3 3.58
8) ETHYLBENZENE	6.329	6.133	6.101	6.168	6.144	6.091	6.161	E3 1.41
9) m,p-XYLENE	6.532	6.778	6.811	6.954	6.922	6.807	6.801	E3 2.19
10) o-XYLENE	5.774	6.078	6.084	6.155	6.117	6.034	6.040	E3 2.26
11) 1,3-DICHLOROBENZENE		4.912	5.579	6.060	6.196	6.152	5.780	E3 9.41
12) 1,4-DICHLOROBENZENE	4.042	4.610	5.405	5.978	6.212	6.287	5.422	E3 17.00
----- Linear regression ----- Coefficient = 0.9994								
Response Ratio = -10449.00456 + 6358.30707 *A								
13) 1,2-DICHLOROBENZENE	5.157	4.622	4.791	5.120	5.175	5.153	5.003	E3 4.73

(#) = Out of Range

DUAL75.M

Fri Oct 11 13:30:29 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GCD1292-CC1275
Lab FileID: CD032695.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\102502\CD032695.D\FID1B.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA\102502\CD032695.D\FID2A.CH
Acq On : 25 Oct 2002 8:43 am Operator: RondaM
Sample : CC1275-40 Inst : VOA2
Misc : gc2055,gcd1292,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\DUAL75.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Wed Oct 09 12:43:19 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert Butyl Ether	40.000	39.153	2.1	95	-0.04
2	Di-Isopropyl ether	40.000	37.278	6.8	93	-0.04
3	BENZENE	40.000	37.991	5.0	95	-0.03
4 S	a,a,a-TFT(S)	20.000	22.125	-10.6	107	-0.02
5	TOLUENE	40.000	39.812	0.5	99	-0.01
6 S	1-Chloro-4-Fluorobenzene	20.000	21.203	-6.0	103	0.00
7	CHLOROBENZENE	40.000	39.360	1.6	99	0.00
8	ETHYLBENZENE	40.000	39.829	0.4	100	0.00
9	m,p-XYLENE	80.000	81.858	-2.3	100	0.00
10	o-XYLENE	40.000	41.053	-2.6	101	0.00
11	1,3-DICHLOROBENZENE	40.000	39.023	2.4	99	0.00
12	1,4-DICHLOROBENZENE	40.000	38.989	2.5	99	0.00
13	1,2-DICHLOROBENZENE	40.000	41.263	-3.2	100	0.00

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert Butyl Ether	40.000	39.614	1.0	94	-0.04
2	Di-Isopropyl ether	40.000	38.408	4.0	93	-0.04
3	BENZENE	40.000	38.637	3.4	95	-0.03
4 S	a,a,a-TFT(S)	20.000	22.457	-12.3	108	-0.02
5	TOLUENE	40.000	40.366	-0.9	99	0.00
6 S	1-Chloro-4-Fluorobenzene	20.000	21.341	-6.7	102	0.00
7	CHLOROBENZENE	40.000	39.535	1.2	99	0.00
8	ETHYLBENZENE	40.000	40.417	-1.0	101	0.00
9	m,p-XYLENE	80.000	81.738	-2.2	100	0.00
10	o-XYLENE	40.000	41.219	-3.0	101	0.00
11	1,3-DICHLOROBENZENE	40.000	41.322	-3.3	99	0.01
12	1,4-DICHLOROBENZENE	40.000	39.090	2.3	100	0.01
13	1,2-DICHLOROBENZENE	40.000	40.705	-1.8	99	0.01

Average % D = 3.4

(#) = Out of Range
CD032215.D DUAL75.M

SPCC's out = 0 CCC's out = 0
Mon Oct 28 09:40:22 2002 CDUV

Continuing Calibration Summary

Page 1 of 1

Job Number: F15072
Account: JEAFLLGA Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Sample: GCD1292-CC1275
Lab FileID: CD032706.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\102502\CD032706.D\FID1B.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA\102502\CD032706.D\FID2A.CH
Acq On : 25 Oct 2002 4:07 pm Operator: RondaM
Sample : CC1275-20 Inst : VOA2
Misc : gc2059,gcd1292,,,,, Multiplr: 1.00
IntFile Signal #1: PID.E IntFile Signal #2: FID.E

Method : C:\HPCHEM\1\METHODS\DUAL75.M (Chemstation Integrator)
Title : EPA 602/8021B
Last Update : Wed Oct 09 12:43:19 2002
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert Butyl Ether	20.000	20.660	-3.3	104	-0.02
2	Di-Isopropyl ether	20.000	19.369	3.2	98	-0.03
3	BENZENE	20.000	19.672	1.6	99	-0.01
4 S	a,a,a-TFT(S)	20.000	21.093	-5.5	109	0.00
5	TOLUENE	20.000	20.298	-1.5	103	0.00
6 S	1-Chloro-4-Fluorobenzene	20.000	19.596	2.0	104	0.00
7	CHLOROBENZENE	20.000	19.852	0.7	102	0.00
8	ETHYLBENZENE	20.000	20.195	-1.0	103	0.00
9	m,p-XYLENE	40.000	40.814	-2.0	102	0.00
10	o-XYLENE	20.000	20.888	-4.4	105	0.01
11	1,3-DICHLOROBENZENE	20.000	19.352	3.2	103	0.02
12	1,4-DICHLOROBENZENE	20.000	19.090	4.6	102	0.02
13	1,2-DICHLOROBENZENE	20.000	20.013	-0.1	103	0.02

Signal #2

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	Methyl tert Butyl Ether	20.000	20.686	-3.4	102	-0.03
2	Di-Isopropyl ether	20.000	19.921	0.4	98	-0.03
3	BENZENE	20.000	19.987	0.1	100	-0.01
4 S	a,a,a-TFT(S)	20.000	21.216	-6.1	109	0.00
5	TOLUENE	20.000	20.608	-3.0	103	0.00
6 S	1-Chloro-4-Fluorobenzene	20.000	19.739	1.3	105	0.01
7	CHLOROBENZENE	20.000	19.938	0.3	103	0.01
8	ETHYLBENZENE	20.000	20.594	-3.0	104	0.01
9	m,p-XYLENE	40.000	41.532	-3.8	104	0.01
10	o-XYLENE	20.000	21.060	-5.3	105	0.02
11	1,3-DICHLOROBENZENE	20.000	19.821	0.9	103	0.02
12	1,4-DICHLOROBENZENE	20.000	19.238	3.8	103	0.02
13	1,2-DICHLOROBENZENE	20.000	19.846	0.8	104	0.02

Average % D = 2.5

(#) = Out of Range
CD032214.D DUAL75.M

SPCC's out = 0 CCC's out = 0
Mon Oct 28 09:40:51 2002 CDUV

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC
Analyst: DM
Parameters: Na

Date Analyzed: 10/21/02 Methods: SW846 6010B
Run ID: MA3031

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:40	MA3031-ICV1	1		
10:43	MA3031-ICB1	1		
10:45	MA3031-CRI1	1		
10:48	MA3031-ICSA1	1		
10:50	MA3031-ICSA2	1		
10:53	MA3031-ICSAB1	1		
10:58	MA3031-CCV1	1		
11:04	MA3031-CCB1	1		
11:08	MP4829-MB1	1		
11:11	MP4829-B1	1		
11:17	F15070-1	1		(sample used for QC only; not part of login F15072)
11:21	MP4829-D1	1		
11:24	MP4829-SD1	5		
11:28	MP4829-S1	1		
11:31	MP4829-S2	1		
11:37	ZZZZZZ	1		
11:41	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:48	MA3031-CCV2	1		
11:54	MA3031-CCB2	1		
11:57	F15072-1	1		
----->	Last reportable sample/prep for job F15072			
12:01	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:08	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:32	MA3031-CCV3	1		
12:38	MA3031-CCB3	1		
----->	Last reportable CCB for job F15072			
12:49	ZZZZZZ	1		
13:17	MA3031-CCV4	1		
13:23	MA3031-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072

Account: JEAFILGA - Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC

Date Analyzed: 10/21/02

Methods: SW846 6010B

Analyst: DM

Run ID: MA3031

Parameters: Na

Time	Sample Description	Dilution PS		Comments
		Factor	Recov	
13:58	MA3031-CCV5	1		
14:04	MA3031-CCB5	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC
QC Limits: result < RL

Date Analyzed: 10/21/02
Run ID: MA3031

Methods: SW846 6010B
Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.49	anr							
Beryllium	5.0	.26	anr							
Cadmium	5.0	.26	anr							
Calcium	1000	3.8	anr							
Chromium	10	.43	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.55	anr							
Sodium	5000	150	222	<5000	43.9	<5000	162	<5000	184	<5000
Thallium	10	1.5	anr							
Tin	50	2.2								
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC Date Analyzed: 10/21/02 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3031 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	37800	94.5	40000	37000	92.5	40000	37400	93.5
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC Date Analyzed: 10/21/02 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3031 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	37400	93.5
Thallium	anr		
Tin			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC
 QC Limits: 70 to 130 % Recovery

Date Analyzed: 10/21/02
 Run ID: MA3031

Methods: SW846 6010B
 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Aluminum	400		anr	
Antimony	10		anr	
Arsenic	20		anr	
Barium	400		anr	
Beryllium	10		anr	
Cadmium	10		anr	
Calcium	2000		anr	
Chromium	20		anr	
Cobalt	100		anr	
Copper	50		anr	
Iron	600		anr	
Lead	10		anr	
Magnesium	10000		anr	
Manganese	30		anr	
Molybdenum	100			
Nickel	80		anr	
Potassium	10000		anr	
Selenium	10		anr	
Silver	20		anr	
Sodium	10000		8270	82.7
Thallium	20		anr	
Tin	100			
Vanadium	100		anr	
Zinc	40			

(*) Outside of QC limits
 (anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1021M5.ASC Date Analyzed: 10/21/02 Methods: SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA3031 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000			510000	102.0	498000	99.6
Antimony		1000			0.28		1020	102.0
Arsenic		1000			2.5		1030	103.0
Barium		500			1.3		521	104.2
Beryllium		500			-2.5		504	100.8
Cadmium		1000			0.43		966	96.6
Calcium	500000	500000			472000H	94.4	458000H	91.6
Chromium		500			1.4		466	93.2
Cobalt		500			-1.2		470	94.0
Copper		500			-2.2		526	105.2
Iron	200000	200000			201000	100.5	195000	97.5
Lead		1000			0.67		957	95.7
Magnesium	500000	500000			535000	107.0	517000	103.4
Manganese		500			-1.4		495	99.0
Molybdenum		1000			-6.4		967	96.7
Nickel		1000			2.1		953	95.3
Potassium					672		296	
Selenium		1000			5.8		1000	100.0
Silver		1000			-0.17		1090H	109.0
Sodium					207		310	
Thallium		1000			-3.4		957	95.7
Tin		1000			-1.8		993	99.3
Vanadium		500			2.4		504	100.8
Zinc		1000			-4.5		931	93.1

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072

Account: JEAFLGA - Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC

Date Analyzed: 10/23/02

Methods: SW846 6010B

Analyst: DM

Run ID: MA3035

Parameters: Na

Time	Sample Description	Dilution PS Factor	Recov	Comments
10:24	MA3035-ICV1	1		
10:27	MA3035-ICB1	1		
10:30	MA3035-CRI1	1		
10:37	MA3035-ICSA1	1		
10:39	MA3035-ICSAB1	1		
10:46	MA3035-CCV1	1		
10:52	MA3035-CCB1	1		
10:55	MP4837-MB1	1		
10:59	MP4837-B1	1		
11:05	F15115-1	1		(sample used for QC only; not part of login F15072)
11:08	MP4837-D1	1		
11:12	MP4837-SD1	5		
11:15	MP4837-S1	1		
11:19	MP4837-S2	1		
11:25	ZZZZZZ	1		
11:28	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:35	MA3035-CCV2	1		
11:41	MA3035-CCB2	1		
11:45	ZZZZZZ	1		
11:48	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:55	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:13	ZZZZZZ	1		
12:16	ZZZZZZ	1		
12:20	MA3035-CCV3	1		
12:26	MA3035-CCB3	1		
12:29	ZZZZZZ	1		
12:33	MP4838-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC
Analyst: DM
Parameters: Na

Date Analyzed: 10/23/02 Methods: SW846 6010B
Run ID: MA3035

Time	Sample Description	Dilution PS Factor	Recov	Comments
12:36	MP4838-B1	1		
12:42	F15083-1	1		(sample used for QC only; not part of login F15072)
12:46	MP4838-D1	1		
12:49	MP4838-SD1	5		
12:53	MP4838-S1	1		
12:59	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:09	MA3035-CCV4	1		
13:15	MA3035-CCB4	1		
13:19	ZZZZZZ	1		
13:22	MP4836-MB1	1		
13:26	MP4836-B1	1		
13:32	F15076-1	1		(sample used for QC only; not part of login F15072)
13:35	MP4836-D1	1		
13:39	MP4836-SD1	5		
13:42	MP4836-S1	1		
13:48	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	MA3035-CCV5	1		
14:05	MA3035-CCB5	1		
14:08	ZZZZZZ	1		
14:12	F15072-1	10		
----->	Last reportable sample/prep for job F15072			
14:15	MA3035-CCV6	1		
14:21	MA3035-CCB6	1		
----->	Last reportable CCB for job F15072			
	Refer to raw data for calibration curve and standards.			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC
QC Limits: result < RL

Date Analyzed: 10/23/02
Run ID: MA3035

Methods: SW846 6010B
Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr							
Antimony	5.0	1.5	anr							
Arsenic	10	2.8	anr							
Barium	200	.49	anr							
Beryllium	5.0	.26	anr							
Cadmium	5.0	.26	anr							
Calcium	1000	3.8	anr							
Chromium	10	.43	anr							
Cobalt	50	.5	anr							
Copper	25	.44	anr							
Iron	300	7.1	anr							
Lead	5.0	1.2	anr							
Magnesium	5000	9.9	anr							
Manganese	15	.16	anr							
Molybdenum	50	.75								
Nickel	40	1.1	anr							
Potassium	5000	14	anr							
Selenium	10	2	anr							
Silver	10	.55	anr							
Sodium	5000	150	105	<5000	28.5	<5000	34.9	<5000	-81	<5000
Thallium	10	1.5	anr							
Tin	50	2.2								
Vanadium	50	.47	anr							
Zinc	20	.59	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: F15072
Account: JEAPLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC Date Analyzed: 10/23/02 Methods: SW846 6010B
QC Limits: result < RL Run ID: MA3035 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	6.6	anr					
Antimony	5.0	1.5	anr					
Arsenic	10	2.8	anr					
Barium	200	.49	anr					
Beryllium	5.0	.26	anr					
Cadmium	5.0	.26	anr					
Calcium	1000	3.8	anr					
Chromium	10	.43	anr					
Cobalt	50	.5	anr					
Copper	25	.44	anr					
Iron	300	7.1	anr					
Lead	5.0	1.2	anr					
Magnesium	5000	9.9	anr					
Manganese	15	.16	anr					
Molybdenum	50	.75						
Nickel	40	1.1	anr					
Potassium	5000	14	anr					
Selenium	10	2	anr					
Silver	10	.55	anr					
Sodium	5000	150	-120	<5000	6.6	<5000	-180	<5000
Thallium	10	1.5	anr					
Tin	50	2.2						
Vanadium	50	.47	anr					
Zinc	20	.59	anr					

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F15072

Account: JEAFLGA - Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC Date Analyzed: 10/23/02 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3035 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	37500	93.8	40000	37300	93.3	40000	37900	94.8
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC Date Analyzed: 10/23/02 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3035 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	40000	37800	94.5	40000	37700	94.3	40000	38200	95.5
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: F15072

Account: JEAFLGA - Jones, Edmonds & Associates, Inc.

Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC Date Analyzed: 10/23/02 Methods: SW846 6010B
QC Limits: 90 to 110 % Recovery Run ID: MA3035 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	40000	38700	96.8
Thallium	anr		
Tin			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits

(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC
 QC Limits: 70 to 130 % Recovery

Date Analyzed: 10/23/02
 Run ID: MA3035

Methods: SW846 6010B
 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Aluminum	400		anr	
Antimony	10		anr	
Arsenic	20		anr	
Barium	400		anr	
Beryllium	10		anr	
Cadmium	10		anr	
Calcium	2000		anr	
Chromium	20		anr	
Cobalt	100		anr	
Copper	50		anr	
Iron	600		anr	
Lead	10		anr	
Magnesium	10000		anr	
Manganese	30		anr	
Molybdenum	100			
Nickel	80		anr	
Potassium	10000		anr	
Selenium	10		anr	
Silver	20		anr	
Sodium	10000		8460	84.6
Thallium	20		anr	
Tin	100			
Vanadium	100		anr	
Zinc	40			

(*) Outside of QC limits
 (anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: IR1023M5.ASC Date Analyzed: 10/23/02 Methods: SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA3035 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	526000	105.2	511000	102.2
Antimony		1000	-0.060		1020	102.0
Arsenic		1000	-0.040		1020	102.0
Barium		500	1.3		527	105.4
Beryllium		500	-2.2		507	101.4
Cadmium		1000	-3.0		980	98.0
Calcium	500000	500000	482000H	96.4	466000H	93.2
Chromium		500	1.6		474	94.8
Cobalt		500	-0.11		474	94.8
Copper		500	-3.4		527	105.4
Iron	200000	200000	205000	102.5	198000	99.0
Lead		1000	2.9		980	98.0
Magnesium	500000	500000	551000	110.2	530000	106.0
Manganese		500	-1.4		500	100.0
Molybdenum		1000	-1.7		994	99.4
Nickel		1000	0.74		969	96.9
Potassium			635		302	
Selenium		1000	-5.9		997	99.7
Silver		1000	-0.94		1110H	111.0
Sodium			49.1		342	
Thallium		1000	-4.4		989	98.9
Tin		1000	-4.7		997	99.7
Vanadium		500	7.6		516	103.2
Zinc		1000	-4.4		933	93.3

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

QC Batch ID: MP4829
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 10/18/02

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6	anr	
Antimony	5.0	1.5	anr	
Arsenic	10	2.8	anr	
Barium	200	.49	anr	
Beryllium	5.0	.26	anr	
Cadmium	5.0	.26	anr	
Calcium	1000	3.8	anr	
Chromium	10	.43	anr	
Cobalt	50	.5	anr	
Copper	25	.44	anr	
Iron	300	7.1	anr	
Lead	5.0	1.2	anr	
Magnesium	5000	9.9	anr	
Manganese	15	.16	anr	
Molybdenum	50	.75		
Nickel	40	1.1	anr	
Potassium	5000	14	anr	
Selenium	10	2	anr	
Silver	10	.55	anr	
Sodium	5000	150	120	<5000
Thallium	10	1.5	anr	
Tin	50	2.2		
Vanadium	50	.47	anr	
Zinc	20	.59	anr	

Associated samples MP4829: F15072-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

QC Batch ID: MP4829
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date:

10/18/02

10/18/02

Metal	F15070-1 Original	DUP	RPD	QC Limits	F15070-1 Original MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr							
Antimony	anr							
Arsenic	anr							
Barium	anr							
Beryllium	anr							
Cadmium	anr							
Calcium	anr							
Chromium	anr							
Cobalt	anr							
Copper	anr							
Iron	anr							
Lead	anr							
Magnesium	anr							
Manganese	anr							
Molybdenum								
Nickel	anr							
Potassium	anr							
Selenium	anr							
Silver	anr							
Sodium	14500	14400	0.7	0-20	14500	40800	25000	105.2 56-130
Thallium	anr							
Tin								
Vanadium	anr							
Zinc	anr							

Associated samples MP4829: F15072-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

QC Batch ID: MP4829
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 10/18/02

Metal	F15070-1 Original MSD	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	14500	41100	25000	106.4 56-130
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP4829: F15072-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

QC Batch ID: MP4829
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 10/18/02

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	22800	25000	91.2	80-120
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP4829: F15072-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F15072
 Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
 Project: Citrus County-Central Landfill

QC Batch ID: MP4829
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 10/18/02

Metal		F15070-1 Original SDL 1:5		RPD	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	anr				
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	14500	13700	5.2	0-10	
Thallium	anr				
Tin					
Vanadium	anr				
Zinc	anr				

Associated samples MP4829: F15072-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F15072
Account: JEAFIGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Analyte	Batch ID	RL	MB Result	Units	BSP %Recov	QC Limits
Chloride	GP3589/GN10475	20	<20	mg/l	95.9	90-110%
Nitrogen, Nitrate	GP3589/GN10475	0.10	<0.10	mg/l	94.0	90-110%
Nitrogen, Nitrite	GP3589/GN10475	0.10	<0.10	mg/l	96.0	90-110%
Solids, Total Dissolved	GN10473	10	<10	mg/l		
Sulfate	GP3589/GN10475	20	<20	mg/l	94.3	90-110%

Associated Samples:
Batch GN10473: F15072-1
Batch GP3589: F15072-1

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP3589/GN10475	F15090-2	mg/l	<10	<10	0.0	0-20%
Nitrogen, Nitrate	GP3589/GN10475	F15090-2	mg/l	<0.050	<0.050	0.0	0-20%
Nitrogen, Nitrite	GP3589/GN10475	F15090-2	mg/l	<0.050	<0.050	0.0	0-20%
Solids, Total Dissolved	GN10473	F15072-1	mg/l	1820	2040	11.3(a)	0-11%
Sulfate	GP3589/GN10475	F15090-2	mg/l	20.3	19.6	3.5	0-20%

Associated Samples:

Batch GN10473: F15072-1

Batch GP3589: F15072-1

(a) High RPD due to possible sample nonhomogeneity.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP3589/GN10475	F15090-2	mg/l	<10	100	97.7	97.7	80-120%
Chloride	GP3589/GN10475	F15090-2	mg/l	<10	100	97.6	97.6	80-120%
Nitrogen, Nitrate	GP3589/GN10475	F15090-2	mg/l	<0.050	1	0.95	95.0	80-120%
Nitrogen, Nitrate	GP3589/GN10475	F15090-2	mg/l	<0.050	1	0.95	95.0	80-120%
Nitrogen, Nitrite	GP3589/GN10475	F15090-2	mg/l	<0.050	1	0.94	94.0	80-120%
Nitrogen, Nitrite	GP3589/GN10475	F15090-2	mg/l	<0.050	1	0.96	96.0	80-120%
Sulfate	GP3589/GN10475	F15090-2	mg/l	20.3	100	107	86.7	80-120%
Sulfate	GP3589/GN10475	F15090-2	mg/l	20.3	100	107	86.7	80-120%

Associated Samples:
Batch GP3589: F15072-1

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072
Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: 02101801.IC Date Analyzed: 10/18/02 Methods: EPA 300/SW846 9056
Analyst: LL Run ID: GN10475
Parameters: Chloride,Fluoride,Nitrogen, Nitrate,Nitrogen, Nitrite,Sulfate (QC only)

Time	Sample Description	Dilution PS Factor	Recov	Comments
11:08	GN10475-ICV1	1		
11:23	GN10475-ICB1	1		
11:38	GN10475-CCV1	1		
11:52	GN10475-CCB1	1		
12:07	GP3589-MB1	1		
12:21	GP3589-B1	1		
12:36	ZZZZZZ	1		
12:51	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:20	F15090-2	1		(sample used for QC only; not part of login F15072)
13:35	ZZZZZZ	1		
13:50	ZZZZZZ	1		
14:05	GN10475-CCV2	1		
14:20	GN10475-CCB2	1		
14:34	ZZZZZZ	1		
14:49	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:47	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:32	GN10475-CCV3	1		
16:46	GN10475-CCB3	1		
17:01	ZZZZZZ	1		
17:16	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:45	ZZZZZZ	1		
18:00	GP3589-D1	1		
18:15	GP3589-S1	1		
18:30	GP3589-S2	1		
19:00	GN10475-CCV4	1		
19:15	GN10475-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072
Account: JEAFIGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: 02101801.IC Date Analyzed: 10/18/02 Methods: EPA 300/SW846 9056
Analyst: LL Run ID: GN10475
Parameters: Chloride, Fluoride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate (QC only)

Time	Sample Description	Dilution PS Factor	Recov	Comments
19:29	ZZZZZZ	1		
19:44	GP3590-MB1	1		
19:59	GP3590-B1	1		
20:14	F15091-1	1		(sample used for QC only; not part of login F15072)
20:29	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:29	GN10475-CCV5	1		
21:44	GN10475-CCB5	1		
21:58	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:43	ZZZZZZ	1		
22:58	ZZZZZZ	1		
23:28	GP3590-D1	1		
23:42	GP3590-S1	1		
23:57	GP3590-S2	1		
00:12	GN10475-CCV6	1		
00:27	GN10475-CCB6	1		

Refer to raw data for calibration curve and standards.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: F15072

Account: JEAFLGA - Jones, Edmonds & Associates, Inc.
Project: Citrus County-Central Landfill

File ID: 02102401.IC
Analyst: LL
Parameters: Chloride

Date Analyzed: 10/24/02
Run ID: GN10506

Methods: EPA 300/SW846 9056

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:22	GN10506-ICV1	1		
10:36	GN10506-ICB1	1		
10:51	GN10506-CCV1	1		
11:06	GN10506-CCB1	1		
11:50	GP3590-S1	1		
12:05	GP3590-S2	1		
12:19	F15072-1	10		
Last reportable sample/prep for job F15072				
12:34	GN10506-CCV2	1		
12:49	GN10506-CCB2	1		
Last reportable CCB for job F15072				
Refer to raw data for calibration curve and standards.				