38414

JRM
7/3/07

FROM: OPERATION PERMIT MODIFICATION TO INCLUDE PHASE II, SECTION I LANDFILL EXPANSION, DATED 6/4/07, PREPARED BY SCS ENGINEERS

Attachment F-5

Initial Sampling Event Analytical Results
MW-10, MW-11 and MW-12

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION:	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 4/5/07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 9.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (15 feet – 9.40 feet) X 0.16 gallons/foot = 0.9 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1450	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1511	1.5	1.5	0.08	12.01	5.30	25.2	110.1	52%/.43	>1000	Brn	None
1515	.4	1.9	0.08	12.26	5.25	24.5	104.8	4.7%/.38	>1000	Brn	None
1519	.2	2.1	0.08	12.28	5.22	24.2	102.2	7.5%/.62	>1000	Brn	None
1523	.5	2.6	0.08	12.28	5.19	24.1	100.2	8.6%/.72	>1000	Brn	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Y. Lo / Nodarse	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1527	SAMPLING ENDED AT: 1625
PUMP OR TUBING DEPTH IN WELL (feet): 12	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE/Si	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___ μm	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-10	6	AG	1L	None	–	–	dioxin, 8151, 8141, 8082, 8270, 8081	APP
	1	PP	500ML	NaOH	–	–	CYANIDE	APP
MW-10	1	PP	"	Zn ACETATE	NAOH	–	SULFATE	APP
	1	PP	"	–	–	–	INORGANICS	APP
	1	PP	"	H2SO4	–	–	AMMONIA	APP
	1	PE	125ML	HNO3	–	–	METALS	APP
	6	CG	12ML	HCl	–	–	EDB, 8260	RFPP

REMARKS: WATER VERY TURBID >1000
4 BOTTLES ON UNPRESERVED SAMPLES FOR METALS

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill		SITE LOCATION:
WELL NO: MW-1~~#~~1	SAMPLE ID: MW-1~~#~~1	DATE: 4/5/07

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet | STATIC DEPTH TO WATER (feet): 9.74 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (15 feet − 9.74 feet) X 0.16 gallons/foot = 0.84 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.4 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.4 | PURGING INITIATED AT: 1318 | PURGING ENDED AT: 1432 | TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1330	.5	.5	0.08	10.09	4.84	23.6	100.2	11.6%/.96	7.19	CLEAR	NONE
1334	.5	1.0	0.08	10.09	4.82	23.0	96.1	8.9%/.72	7.79	CLEAR	NONE
1338	.5	1.5	0.08	10.09	4.80	22.9	94.4	8.8%/.74	5.29	CLEAR	NONE
1342	.3	1.8	0.08	10.09	4.78	22.9	94.3	6.7%/.57	3.14	CLEAR	NONE
1346	.2	2.0	0.08	10.09	4.78	23.1	94.1	5.7%/.49	2.10	CLEAR	NONE

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Y.Lo / Nodarse | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1348 | SAMPLING ENDED AT: 1431

PUMP OR TUBING DEPTH IN WELL (feet): 12.5 | SAMPLE PUMP FLOW RATE (mL per minute): | TUBING MATERIAL CODE: PE / Si

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N Filtration Equipment Type: | FILTER SIZE: ____ μm | DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW 11	6	AG	1L	NONE	—	—	DIOXIN, 8151, 8141, 8082, 8270, 8081	APP
	1	PP	500 ML	NAOH	—	—	CYANIDE	APP
	1	PP	"	ZN ACETATE	NaOH	—	SULFIDE	APP
	1	PP	"	—	—	—	INORGANICS	APP
	1	PP	"	H2SO4	—	—	AMMONIA	APP
	1	PE	125 ML	HNO3	—	—	METALS	APP
	6	CG	40 ML	HCL	—	—	EDB, 8260	RFPP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Hardee County Landfill	SITE LOCATION:	
WELL NO: MW-12	SAMPLE ID: MW-12	DATE: 4/5/07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 17 feet	STATIC DEPTH TO WATER (feet): 9.76	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (20 feet – 9.76 feet) X 0.16 gallons/foot = 1.64 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 10:23	PURGING ENDED AT: 1:00P	TOTAL VOLUME PURGED (gallons): 5.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:55	2.2	2.2	0.07	9.82	5.31	23.1	95.7	13.8%	40.9	Brw	SULFUR
11:12	1.3	3.5	0.07	9.82	5.31	23.3	95.5	10.3%/0.88	30.1	Brw	SULFUR
11:27	1.0	4.5	0.07	9.82	5.31	23.1	93.4	7.6%/0.65	13.4	Brw	SULFUR

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Y. Lo / Nodarse	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 11:30A	SAMPLING ENDED AT: 1:00P
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE / Si	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-12	18	AG	1L	None	–	–	dioxin, 851, 8141, 8082, 8270, 8081	APP
↓	1	PP	500mL	NaOH	–	–	Cyanide	APP
	1	PP	"	Zn Acetate + NaOH		–	Sulfide	APP
	1	PP	"	–	–	–	Inorganics	APP
	1	PP	"	HSO4	–	–	Ammonia	APP
	1	PE	125mL	HNO3	–	–	Metals	APP
	6	CG	0.2mL	HCl	–	–	EDB, 8260	RFPP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. ***The above do not constitute all of the information required by Chapter 62-160, F.A.C.***
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 1, 2004

9.82

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 63 **INSTRUMENT #** 04B0968AC

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 7.0
Standard B 10.0
Standard C 4.0

DATE (yy/mm/dd)	TIME (hr:min)	STD (A,B,C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/04/05	0945	A	7.0	7.0		YES	INIT	YL
		B	10.0	10.02		|	|	|
		C	4.0	3.99		|	|	|
07/04/05	1545	A	7.0	7.0		YES	CONT	YL
		B	10.0	9.97		|	|	|
		C	4.0	3.97		|	|	|

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) HACH 2100P **INSTRUMENT #** 040700036553

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ________________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 0-10 NTU

Standard B 0-100 NTU

Standard C 0-1000 NTU

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/04/05	1000	A		4.39		YES	INIT	YL
		B		49.0				
		C		549				
07/04/05	1600	A		4.42			CONT	YL
		B		48.3				
		C		549				

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 55 **INSTRUMENT #** 96M0178AF

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER ____________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 100 %

Standard B ____________

Standard C ____________

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
07/04/05	0955	A	100 %	100.6 %		YES	INIT	YL
07/04/05	1556	A	100 %	100.2 %		YES	CONT	YL

8540 Baycenter Road Jacksonville,Florida 32256 (904) 739-2277 (904) 739-2011 fax

Columbia Analytical Services INC.
An Employee - Owned Company

May 11, 2007

Service Request No: J0701623

Mike Palmer
SunLabs, Inc.
5460 Beaumont Center Boulevard
Tampa, FL 33634

RE: Appendix II/070406.04

Dear Mike:

Enclosed are the results of the sample(s) submitted to our laboratory on April 7, 2007. For your reference, these analyses have been assigned our service request number **J0701623.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please call if you have any questions. My extension is 224. You may also contact me via email at CMyers@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Craig R. Myers

Craig Myers
Project Chemist

Page 1 of 94

Laboratory Manager: Greg Jordan
Quality Assurance Officer: Kathy Brungard

CAS Jacksonville is NELAC-accredited by the State of Florida, #E82502 valid through 6/30/07. Other state accreditations include: Arkansas, #88-0600 valid through 1/12/06; Georgia, #958 valid through 6/30/07; Louisiana, #02086 valid through 6/30/07; Texas, #T104704197-06-TX valid through 5/31/07; North Carolina, #527 valid through 12/31/06; South Carolina, #96021001 valid through 6/30/07.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	SunLabs, Inc.	**Service Request No.:**	J0701623
Project:	Appendix II	**Date Received:**	4/7/07
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Three water samples were received for analysis at Columbia Analytical Services on 4/7/07. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at 4±2°C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

Volatile Organic Compounds by GC-MS

The samples were analyzed for Volatile Organics using EPA Method 8260. The following observations were made regarding this delivery group.

Lab Control Sample Exceptions

The spike recovery of Styrene for Laboratory Control Sample (LCS) JWG0701237-3 was outside the lower control criterion. The analyte in question was not detected in the associated field samples. Since the analyte was detected in the MRL check standard, instrument sensitivity was documented. The data quality was not significantly affected and no further corrective action was taken.

Batch QC Notes and Discussion

Quality control samples for MS/DMS were performed using samples from another sample delivery group (SDG). The frequency requirement for quality control sample analysis was consistent with the project's requirements. Matrix specific quality control results have no bearing on sample data from a different matrix or location. Therefore, control of the batch has been evaluated using the method blank and the laboratory control sample.

Organochlorine Pesticides by GC-ECD

The samples were analyzed for Organochlorine Pesticides using EPA Method 8081. The following observations were made regarding this delivery group.

Lab Control Sample Exceptions

The spike recovery of Endrin for Laboratory Control Sample (LCS) JWG0701297-1 and Duplicate Laboratory Control Sample (DLCS) JWG0701297-2 was outside the upper control criterion. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data are not significantly affected. No further corrective action was appropriate.

Approved by Craig R. Myers Date 5/11/07

Matrix Spike Recovery Exceptions

The duplicate matrix spike recovery of Endrin Ketone for sample 49560 was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. No further corrective action was appropriate.

Semivolatile Organics by GC-MS

The samples were analyzed for Semivolatile Organics using EPA Method 8270. The following observations were made regarding this delivery group.

Matrix Spike Recovery Exceptions

The upper control criterion was exceeded for the following analyte in Duplicate Matrix Spike (DMS): Benzo(g,h,i)perylene. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data are not significantly affected. No further corrective action was appropriate.

General Chemistry Parameters

The samples were analyzed for Inorganic Parameters using various EPA Methods. No problems were observed.

Subcontracted Analytical Parameters

The samples were delivered to ENCO Labs in Jacksonville, FL on 4/9/07 for EPA Method 8141 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

The samples were delivered to Columbia Analytical Services in Houston, TX on 4/10/07 for EPA Method 8290 determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by Craig R. Hy[illegible] Date 5/11/07

Florida DEP Data Qualifiers

B Results based upon colony counts outside the acceptable range.

D Measurement was made in the field.

H Value based on field kit determination; results may not be accurate.

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J Estimated value (one of the following reasons is discussed in the project case narrative).

1. The result may be inaccurate because the surrogate recovery limits have been exceeded.
2. No known quality control criteria exists for the component.
3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD).
5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).

K Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).

L Off scale high. The analyte is above the upper limit of the linear calibration range.

M The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.

N Presumptive evidence of the analyte. Confirmation was not performed.

Q Sample held beyond the accepted holding time.

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.

U Indicates that the compound was analyzed for but not detected.

V Indicates that the analyte was detected in both the sample and the associated method blank.

Y The laboratory analysis was from an improperly preserved sample.

Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: SunLabs, Inc.
Project: Appendix II/070406.04

Service Request: J0701623

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J0701623-001	49560 MW-12	04/05/07	11:30
J0701623-002	49561 MW-11	04/05/07	13:48
J0701623-003	49562 MW-10	04/05/07	15:27

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COLUMBIA ANALYTICAL SERVICES, I

Analytical Results

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	04/05/2007
mple Matrix:	Water	Date Received:	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-12	Units:	ug/L
Lab Code:	J0701623-001	Basis:	NA
Extraction Method:	EPA 5030B	Level:	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloromethane	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Vinyl Chloride	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Bromomethane	ND	U	1.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloroethane	ND	U	1.0	0.19	1	04/10/07	04/10/07	JWG0701237	
Trichlorofluoromethane	ND	U	1.0	0.21	1	04/10/07	04/10/07	JWG0701237	
Acrolein	ND	U PQL@20 OK	50	9.6 3.5	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethene	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
Acetone	**8.4**	I	50	1.9	1	04/10/07	04/10/07	JWG0701237	
Iodomethane (Methyl Iodide)	ND	U	5.0	1.1 NE	1	04/10/07	04/10/07	JWG0701237	
Carbon Disulfide	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
Acetonitrile	ND	U	25	10	1	04/10/07	04/10/07	JWG0701237	
Au yl Chloride	ND	U	5.0	1.9	1	04/10/07	04/10/07	JWG0701237	
Methylene Chloride	ND	U	5.0	0.29	1	04/10/07	04/10/07	JWG0701237	
Acrylonitrile	ND	U PQL@20 OK	10	6.7 0.06	1	04/10/07	04/10/07	JWG0701237	
trans-1,2-Dichloroethene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethane	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
Vinyl Acetate	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
Chloroprene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
cis-1,2-Dichloroethene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
2,2-Dichloropropane	ND	U	1.0	0.16 NE	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloropropene	ND	U	1.0	0.11 NE	1	04/10/07	04/10/07	JWG0701237	
2-Butanone (MEK)	**6.3**	I	10	0.97	1	04/10/07	04/10/07	JWG0701237	
Propionitrile	ND	U	10	7.6 NE	1	04/10/07	04/10/07	JWG0701237	
Bromochloromethane	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
Methacrylonitrile	ND	U PQL@10 OK	2.0	1.2 0.7	1	04/10/07	04/10/07	JWG0701237	
Chloroform	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
Carbon Tetrachloride	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Benzene	ND	U	1.0	0.088	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Isobutyl Alcohol	ND	U	50	23	1	04/10/07	04/10/07	JWG0701237	
Trichloroethene (TCE)	ND	U	1.0	0.20	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloropropane	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	

mments:

OLUMBIA ANALYTICAL SERVICES, I

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
ject:	Appendix II/070406.04	**Date Collected:**	04/05/2007
nple Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560	MW72	**Units:**	ug/L
Lab Code:	J0701623-001		**Basis:**	NA
Extraction Method:	EPA 5030B		**Level:**	Low
Analysis Method:	8260B			

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromomethane	ND	U	1.0	0.22	1	04/10/07	04/10/07	JWG0701237	
Methyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
Bromodichloromethane	ND	U	1.0	0.099	1	04/10/07	04/10/07	JWG0701237	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.94	1	04/10/07	04/10/07	JWG0701237	
Toluene	ND	U	1.0	0.13	1	04/10/07	04/10/07	JWG0701237	
trans-1,3-Dichloropropene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
1,1,2-Trichloroethane	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Tetrachloroethene (PCE)	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichloropropane	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
2- Hexanone	ND	U	25	1.4	1	04/10/07	04/10/07	JWG0701237	
DI- bromochloromethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromoethane (EDB) [ALSO BY 504.1]	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Chlorobenzene	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethylbenzene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
m,p-Xylenes	ND	U	2.0	0.19	1	04/10/07	04/10/07	JWG0701237	
o-Xylene	ND	U	1.0	0.083	1	04/10/07	04/10/07	JWG0701237	
Styrene	ND	UJ	1.0	0.062	1	04/10/07	04/10/07	JWG0701237	J(3)
Bromoform	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,2,3-Trichloropropane PQLC2 OK	ND	U	1.0	0.24 0.02	1	04/10/07	04/10/07	JWG0701237	
trans-1,4-Dichloro-2-butene	ND	U	20	3.2 NE	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichlorobenzene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
1,4-Dichlorobenzene	ND	U	1.0	0.085	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichlorobenzene	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.85	1	04/10/07	04/10/07	JWG0701237	
1,2,4-Trichlorobenzene	ND	U	10	0.20	1	04/10/07	04/10/07	JWG0701237	
Hexachlorobutadiene	ND	U	10	0.25	1	04/10/07	04/10/07	JWG0701237	
Naphthalene	ND	U	10	0.11	1	04/10/07	04/10/07	JWG0701237	

ALSO BY METHOD 504.1
AT LOWER MDL

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-7	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	90	71-122	04/10/07	Acceptable
4-Bromofluorobenzene	113	75-120	04/10/07	Acceptable
Dibromofluoromethane	90	82-116	04/10/07	Acceptable
Toluene-d8	96	88-117	04/10/07	Acceptable

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
oject:	Appendix II/070406.04	**Date Collected:**	04/05/2007
mple Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloromethane	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Vinyl Chloride	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Bromomethane	ND	U	1.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloroethane	ND	U	1.0	0.19	1	04/10/07	04/10/07	JWG0701237	
Trichlorofluoromethane	ND	U	1.0	0.21	1	04/10/07	04/10/07	JWG0701237	
Acrolein	ND	U	50	9.6	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethene	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
Acetone	ND	U	50	1.9	1	04/10/07	04/10/07	JWG0701237	
Iodomethane (Methyl Iodide)	ND	U	5.0	1.1	1	04/10/07	04/10/07	JWG0701237	
Carbon Disulfide	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
cetonitrile	ND	U	25	10	1	04/10/07	04/10/07	JWG0701237	
yl Chloride	ND	U	5.0	1.9	1	04/10/07	04/10/07	JWG0701237	
Methylene Chloride	ND	U	5.0	0.29	1	04/10/07	04/10/07	JWG0701237	
Acrylonitrile	ND	U	10	6.7	1	04/10/07	04/10/07	JWG0701237	
trans-1,2-Dichloroethene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethane	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
Vinyl Acetate	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
Chloroprene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
cis-1,2-Dichloroethene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
2,2-Dichloropropane	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloropropene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
2-Butanone (MEK)	ND	U	10	0.97	1	04/10/07	04/10/07	JWG0701237	
Propionitrile	ND	U	10	7.6	1	04/10/07	04/10/07	JWG0701237	
Bromochloromethane	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
Methacrylonitrile	ND	U	2.0	1.2	1	04/10/07	04/10/07	JWG0701237	
Chloroform	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
Carbon Tetrachloride	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Benzene	ND	U	1.0	0.088	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Isobutyl Alcohol	ND	U	50	23	1	04/10/07	04/10/07	JWG0701237	
Trichloroethene (TCE)	ND	U	1.0	0.20	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloropropane	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	

omments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromomethane	ND	U	1.0	0.22	1	04/10/07	04/10/07	JWG0701237	
Methyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
Bromodichloromethane	ND	U	1.0	0.099	1	04/10/07	04/10/07	JWG0701237	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.94	1	04/10/07	04/10/07	JWG0701237	
Toluene	ND	U	1.0	0.13	1	04/10/07	04/10/07	JWG0701237	
trans-1,3-Dichloropropene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
1,1,2-Trichloroethane	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Tetrachloroethene (PCE)	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichloropropane	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
2-Hexanone	ND	U	25	1.4	1	04/10/07	04/10/07	JWG0701237	
Dibromochloromethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Chlorobenzene	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethylbenzene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
m,p-Xylenes	ND	U	2.0	0.19	1	04/10/07	04/10/07	JWG0701237	
o-Xylene	ND	U	1.0	0.083	1	04/10/07	04/10/07	JWG0701237	
Styrene	ND	UJ	1.0	0.062	1	04/10/07	04/10/07	JWG0701237	J(3)
Bromoform	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,2,3-Trichloropropane	ND	U	1.0	0.24	1	04/10/07	04/10/07	JWG0701237	
trans-1,4-Dichloro-2-butene	ND	U	20	3.2	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichlorobenzene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
1,4-Dichlorobenzene	ND	U	1.0	0.085	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichlorobenzene	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.85	1	04/10/07	04/10/07	JWG0701237	
1,2,4-Trichlorobenzene	ND	U	10	0.20	1	04/10/07	04/10/07	JWG0701237	
Hexachlorobutadiene	ND	U	10	0.25	1	04/10/07	04/10/07	JWG0701237	
Naphthalene	ND	U	10	0.11	1	04/10/07	04/10/07	JWG0701237	

Comments:

OLUMBIA ANALYTICAL SERVICES, I

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
ject:	Appendix II/070406.04	**Date Collected:**	04/05/2007
nple Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	88	71-122	04/10/07	Acceptable
4-Bromofluorobenzene	113	75-120	04/10/07	Acceptable
Dibromofluoromethane	92	82-116	04/10/07	Acceptable
Toluene-d8	94	88-117	04/10/07	Acceptable

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
roject:	Appendix II/070406.04	**Date Collected:**	04/05/2007
ple Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 Aw-10	**Units:**	ug/L
Lab Code:	J0701623-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloromethane	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Vinyl Chloride	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Bromomethane	ND	U	1.0	0.15	1	04/10/07	04/10/07	JWG0701237	
Chloroethane	ND	U	1.0	0.19	1	04/10/07	04/10/07	JWG0701237	
Trichlorofluoromethane	ND	U	1.0	0.21	1	04/10/07	04/10/07	JWG0701237	
Acrolein	ND	U	50	9.6	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethene	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
Acetone	ND	U	50	1.9	1	04/10/07	04/10/07	JWG0701237	
Iodomethane (Methyl Iodide)	ND	U	5.0	1.1	1	04/10/07	04/10/07	JWG0701237	
Carbon Disulfide	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
Acetonitrile	ND	U	25	10	1	04/10/07	04/10/07	JWG0701237	
yl Chloride	ND	U	5.0	1.9	1	04/10/07	04/10/07	JWG0701237	
Methylene Chloride	ND	U	5.0	0.29	1	04/10/07	04/10/07	JWG0701237	
Acrylonitrile	ND	U	10	6.7	1	04/10/07	04/10/07	JWG0701237	
trans-1,2-Dichloroethene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloroethane	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
Vinyl Acetate	ND	U	10	1.1	1	04/10/07	04/10/07	JWG0701237	
Chloroprene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
cis-1,2-Dichloroethene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
2,2-Dichloropropane	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,1-Dichloropropene	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
2-Butanone (MEK)	ND	U	10	0.97	1	04/10/07	04/10/07	JWG0701237	
Propionitrile	ND	U	10	7.6	1	04/10/07	04/10/07	JWG0701237	
Bromochloromethane	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
Methacrylonitrile	ND	U	2.0	1.2	1	04/10/07	04/10/07	JWG0701237	
Chloroform	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
Carbon Tetrachloride	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Benzene	ND	U	1.0	0.088	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.11	1	04/10/07	04/10/07	JWG0701237	
Isobutyl Alcohol	ND	U	50	23	1	04/10/07	04/10/07	JWG0701237	
Trichloroethene (TCE)	ND	U	1.0	0.20	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichloropropane	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	

omments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	04/05/2007
Sample Matrix:	Water	Date Received:	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 MW-10	Units:	ug/L
Lab Code:	J0701623-003	Basis:	NA
Extraction Method:	EPA 5030B	Level:	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromomethane	ND	U	1.0	0.22	1	04/10/07	04/10/07	JWG0701237	
Methyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
Bromodichloromethane	ND	U	1.0	0.099	1	04/10/07	04/10/07	JWG0701237	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.94	1	04/10/07	04/10/07	JWG0701237	
Toluene	ND	U	1.0	0.13	1	04/10/07	04/10/07	JWG0701237	
trans-1,3-Dichloropropene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethyl Methacrylate	ND	U	1.0	1.0	1	04/10/07	04/10/07	JWG0701237	
1,1,2-Trichloroethane	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
Tetrachloroethene (PCE)	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichloropropane	ND	U	1.0	0.17	1	04/10/07	04/10/07	JWG0701237	
2-Hexanone	ND	U	25	1.4	1	04/10/07	04/10/07	JWG0701237	
Dibromochloromethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Chlorobenzene	ND	U	1.0	0.10	1	04/10/07	04/10/07	JWG0701237	
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
Ethylbenzene	ND	U	1.0	0.12	1	04/10/07	04/10/07	JWG0701237	
m,p-Xylenes	ND	U	2.0	0.19	1	04/10/07	04/10/07	JWG0701237	
o-Xylene	ND	U	1.0	0.083	1	04/10/07	04/10/07	JWG0701237	
Styrene	ND	UJ	1.0	0.062	1	04/10/07	04/10/07	JWG0701237	J(3)
Bromoform	ND	U	1.0	0.28	1	04/10/07	04/10/07	JWG0701237	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.16	1	04/10/07	04/10/07	JWG0701237	
1,2,3-Trichloropropane	ND	U	1.0	0.24	1	04/10/07	04/10/07	JWG0701237	
trans-1,4-Dichloro-2-butene	ND	U	20	3.2	1	04/10/07	04/10/07	JWG0701237	
1,3-Dichlorobenzene	ND	U	1.0	0.14	1	04/10/07	04/10/07	JWG0701237	
1,4-Dichlorobenzene	ND	U	1.0	0.085	1	04/10/07	04/10/07	JWG0701237	
1,2-Dichlorobenzene	ND	U	1.0	0.080	1	04/10/07	04/10/07	JWG0701237	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.85	1	04/10/07	04/10/07	JWG0701237	
1,2,4-Trichlorobenzene	ND	U	10	0.20	1	04/10/07	04/10/07	JWG0701237	
Hexachlorobutadiene	ND	U	10	0.25	1	04/10/07	04/10/07	JWG0701237	
Naphthalene	ND	U	10	0.11	1	04/10/07	04/10/07	JWG0701237	

Comments:

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 MW-10	**Units:**	ug/L
Lab Code:	J0701623-003	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	88	71-122	04/10/07	Acceptable
4-Bromofluorobenzene	115	75-120	04/10/07	Acceptable
Dibromofluoromethane	91	82-116	04/10/07	Acceptable
Toluene-d8	94	88-117	04/10/07	Acceptable

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701237-4	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	5.0	0.15	1	04/09/07	04/09/07	JWG0701237	
Chloromethane	ND	U	1.0	0.11	1	04/09/07	04/09/07	JWG0701237	
Vinyl Chloride	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
Bromomethane	ND	U	1.0	0.15	1	04/09/07	04/09/07	JWG0701237	
Chloroethane	ND	U	1.0	0.19	1	04/09/07	04/09/07	JWG0701237	
Trichlorofluoromethane	ND	U	1.0	0.21	1	04/09/07	04/09/07	JWG0701237	
Acrolein	ND	U	50	9.6	1	04/09/07	04/09/07	JWG0701237	
1,1-Dichloroethene	ND	U	1.0	0.16	1	04/09/07	04/09/07	JWG0701237	
Acetone	ND	U	50	1.9	1	04/09/07	04/09/07	JWG0701237	
Iodomethane (Methyl Iodide)	ND	U	5.0	1.1	1	04/09/07	04/09/07	JWG0701237	
Carbon Disulfide	ND	U	10	1.1	1	04/09/07	04/09/07	JWG0701237	
Acetonitrile	ND	U	25	10	1	04/09/07	04/09/07	JWG0701237	
Allyl Chloride	ND	U	5.0	1.9	1	04/09/07	04/09/07	JWG0701237	
Methylene Chloride	ND	U	5.0	0.29	1	04/09/07	04/09/07	JWG0701237	
Acrylonitrile	ND	U	10	6.7	1	04/09/07	04/09/07	JWG0701237	
trans-1,2-Dichloroethene	ND	U	1.0	0.11	1	04/09/07	04/09/07	JWG0701237	
1,1-Dichloroethane	ND	U	1.0	0.080	1	04/09/07	04/09/07	JWG0701237	
Vinyl Acetate	ND	U	10	1.1	1	04/09/07	04/09/07	JWG0701237	
Chloroprene	ND	U	1.0	0.11	1	04/09/07	04/09/07	JWG0701237	
cis-1,2-Dichloroethene	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
2,2-Dichloropropane	ND	U	1.0	0.16	1	04/09/07	04/09/07	JWG0701237	
1,1-Dichloropropene	ND	U	1.0	0.11	1	04/09/07	04/09/07	JWG0701237	
2-Butanone (MEK)	ND	U	10	0.97	1	04/09/07	04/09/07	JWG0701237	
Propionitrile	ND	U	10	7.6	1	04/09/07	04/09/07	JWG0701237	
Bromochloromethane	ND	U	1.0	0.28	1	04/09/07	04/09/07	JWG0701237	
Methacrylonitrile	ND	U	2.0	1.2	1	04/09/07	04/09/07	JWG0701237	
Chloroform	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	04/09/07	04/09/07	JWG0701237	
Carbon Tetrachloride	ND	U	1.0	0.14	1	04/09/07	04/09/07	JWG0701237	
Benzene	ND	U	1.0	0.088	1	04/09/07	04/09/07	JWG0701237	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.11	1	04/09/07	04/09/07	JWG0701237	
Isobutyl Alcohol	ND	U	50	23	1	04/09/07	04/09/07	JWG0701237	
Trichloroethene (TCE)	ND	U	1.0	0.20	1	04/09/07	04/09/07	JWG0701237	
1,2-Dichloropropane	ND	U	1.0	0.10	1	04/09/07	04/09/07	JWG0701237	

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701237-4	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromomethane	ND	U	1.0	0.22	1	04/09/07	04/09/07	JWG0701237	
Methyl Methacrylate	ND	U	1.0	1.0	1	04/09/07	04/09/07	JWG0701237	
Bromodichloromethane	ND	U	1.0	0.099	1	04/09/07	04/09/07	JWG0701237	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	04/09/07	04/09/07	JWG0701237	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.94	1	04/09/07	04/09/07	JWG0701237	
Toluene	ND	U	1.0	0.13	1	04/09/07	04/09/07	JWG0701237	
trans-1,3-Dichloropropene	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
Ethyl Methacrylate	ND	U	1.0	1.0	1	04/09/07	04/09/07	JWG0701237	
1,1,2-Trichloroethane	ND	U	1.0	0.14	1	04/09/07	04/09/07	JWG0701237	
Tetrachloroethene (PCE)	ND	U	1.0	0.16	1	04/09/07	04/09/07	JWG0701237	
1,3-Dichloropropane	ND	U	1.0	0.17	1	04/09/07	04/09/07	JWG0701237	
2-Hexanone	ND	U	25	1.4	1	04/09/07	04/09/07	JWG0701237	
Dibromochloromethane	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
Chlorobenzene	ND	U	1.0	0.10	1	04/09/07	04/09/07	JWG0701237	
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
Ethylbenzene	ND	U	1.0	0.12	1	04/09/07	04/09/07	JWG0701237	
m,p-Xylenes	ND	U	2.0	0.19	1	04/09/07	04/09/07	JWG0701237	
o-Xylene	ND	U	1.0	0.083	1	04/09/07	04/09/07	JWG0701237	
Styrene	ND	UJ	1.0	0.062	1	04/09/07	04/09/07	JWG0701237	J(3)
Bromoform	ND	U	1.0	0.28	1	04/09/07	04/09/07	JWG0701237	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.16	1	04/09/07	04/09/07	JWG0701237	
1,2,3-Trichloropropane	ND	U	1.0	0.24	1	04/09/07	04/09/07	JWG0701237	
trans-1,4-Dichloro-2-butene	ND	U	20	3.2	1	04/09/07	04/09/07	JWG0701237	
1,3-Dichlorobenzene	ND	U	1.0	0.14	1	04/09/07	04/09/07	JWG0701237	
1,4-Dichlorobenzene	ND	U	1.0	0.085	1	04/09/07	04/09/07	JWG0701237	
1,2-Dichlorobenzene	ND	U	1.0	0.080	1	04/09/07	04/09/07	JWG0701237	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.85	1	04/09/07	04/09/07	JWG0701237	
1,2,4-Trichlorobenzene	ND	U	10	0.20	1	04/09/07	04/09/07	JWG0701237	
Hexachlorobutadiene	ND	U	10	0.25	1	04/09/07	04/09/07	JWG0701237	
Naphthalene	ND	U	10	0.11	1	04/09/07	04/09/07	JWG0701237	

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
oject:	Appendix II/070406.04	**Date Collected:**	NA
ple Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701237-4	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	91	71-122	04/09/07	Acceptable
4-Bromofluorobenzene	112	75-120	04/09/07	Acceptable
Dibromofluoromethane	93	82-116	04/09/07	Acceptable
Toluene-d8	94	88-117	04/09/07	Acceptable

mments: ______

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-12	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine ✓ PQL@10 OK	ND	U	5.3	0.53 0.0007	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosomethylethylamine ✓ PQL@10 OK	ND	U	5.3	0.62 0.002	1	04/11/07	04/16/07	JWG0701270	
Methyl Methanesulfonate ✓	ND	U	5.3	0.62 NE	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiethylamine ✓ PQL@10 OK	ND	U	5.3	0.99 0.0002	1	04/11/07	04/16/07	JWG0701270	
Ethyl Methanesulfonate ✓	ND	U	5.3	0.87 NE	1	04/11/07	04/16/07	JWG0701270	
Phenol ✓	ND	U	5.3	1.8 ✓	1	04/11/07	04/16/07	JWG0701270	
Bis(2-chloroethyl) Ether ✓ PQL@10 OK	ND	U	5.3	0.45 0.03	1	04/11/07	04/16/07	JWG0701270	
2-Chlorophenol ✓	ND	U	5.3	0.50 ✓	1	04/11/07	04/16/07	JWG0701270	
1,3-Dichlorobenzene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
1,4-Dichlorobenzene ALSO BY 8260	ND	U	5.3	0.57	1	04/11/07	04/16/07	JWG0701270	
1,2-Dichlorobenzene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
bis-Bis(2-chloroisopropyl) Ether ✓ PQL@10 OK	ND	U	5.3	0.60 0.5	1	04/11/07	04/16/07	JWG0701270	
Benzyl alcohol ✓	ND	U	5.3	0.44 ✓	1	04/11/07	04/16/07	JWG0701270	
2-Methylphenol ✓	ND	U	5.3	0.46 ✓	1	04/11/07	04/16/07	JWG0701270	
Acetophenone ✓	ND	U	11	5.9 ✓	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopyrrolidine ✓ PQL@10 OK	ND	U	5.3	0.83 0.02	1	04/11/07	04/16/07	JWG0701270	
Hexachloroethane ✓	ND	U	5.3	0.55 ✓	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-propylamine ✓ PQL@10 OK	ND	U	5.3	0.54 0.005	1	04/11/07	04/16/07	JWG0701270	
o-Toluidine ✓	ND	U	5.3	0.75 NE	1	04/11/07	04/16/07	JWG0701270	
4-Methylphenol† ✓	ND	U	5.3	0.77 ✓	1	04/11/07	04/16/07	JWG0701270	
Nitrobenzene ✓	ND	U	5.3	0.61 ✓	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopiperidine ✓	ND	U	5.3	1.2 NE	1	04/11/07	04/16/07	JWG0701270	
Isophorone ✓	ND	U	5.3	0.67 ✓	1	04/11/07	04/16/07	JWG0701270	
2-Nitrophenol ✓	ND	U	21	0.49 NE	1	04/11/07	04/16/07	JWG0701270	
2,4-Dimethylphenol ✓	ND	U	5.3	0.56 ✓	1	04/11/07	04/16/07	JWG0701270	
O,O,O-Triethyl Phosphorothioate ✓	ND	U	21	5.2 NE	1	04/11/07	04/16/07	JWG0701270	
bis(2-Chloroethoxy)methane ✓	ND	U	5.3	0.47 NE	1	04/11/07	04/16/07	JWG0701270	
2,4-Dichlorophenol ✓ PQL@10 OK	ND	U	5.3	0.43 0.3	1	04/11/07	04/16/07	JWG0701270	
1,2,4-Trichlorobenzene	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Naphthalene [ALSO BY 8260]	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
2,6-Dichlorophenol ✓ PQL@10 OK	ND	U	11	1.3 0.2	1	04/11/07	04/16/07	JWG0701270	
Hexachloropropene ✓	ND	U	5.3	1.4 NE	1	04/11/07	04/16/07	JWG0701270	
4-Chloroaniline ✓	ND	U	5.3	0.39 ✓	1	04/11/07	04/16/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-12	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Hexachlorobutadiene PQL 3 ok	ND	U	5.3	0.46 0.4	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-butylamine PQL 10 ok	ND	U	5.3	1.7 0.006	1	04/11/07	04/16/07	JWG0701270	
p-Phenylenediamine	ND	U	21	21	1	04/11/07	04/16/07	JWG0701270	
4-Chloro-3-methylphenol	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
2-Methylnaphthalene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
Hexachlorocyclopentadiene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
1,2,4,5-Tetrachlorobenzene	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
Safrole	ND	U	5.3	1.5 NE	1	04/11/07	04/16/07	JWG0701270	
2,4,6-Trichlorophenol	ND	U	5.3	0.42	1	04/11/07	04/16/07	JWG0701270	
2,4,5-Trichlorophenol	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Isosafrole	ND	U	5.3	1.5 NE	1	04/11/07	04/16/07	JWG0701270	
2-Chloronaphthalene	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
2-Nitroaniline	ND	U	5.3	0.32	1	04/11/07	04/16/07	JWG0701270	
1,4-Naphthoquinone	ND	U	11	7.6 NE	1	04/11/07	04/16/07	JWG0701270	
1,3-Dinitrobenzene PQL 10 ok	ND	U	11	5.8 0.7	1	04/11/07	04/16/07	JWG0701270	
Acenaphthylene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Dimethyl Phthalate	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
2,6-Dinitrotoluene PQL 10 ok	ND	U	5.3	0.53 0.05	1	04/11/07	04/16/07	JWG0701270	
Acenaphthene	ND	U	5.3	0.34	1	04/11/07	04/16/07	JWG0701270	
3-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrophenol	ND	U	21	0.75	1	04/11/07	04/16/07	JWG0701270	
Pentachlorobenzene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Dibenzofuran	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
4-Nitrophenol	ND	U	21	0.60	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrotoluene PQL 0.2	ND	U	5.3	0.41 0.05	1	04/11/07	04/16/07	JWG0701270	
2-Naphthylamine PQL 10 ok	ND	U	5.3	1.1 0.0003	1	04/11/07	04/16/07	JWG0701270	
2,3,4,6-Tetrachlorophenol	ND	U	5.3	0.48	1	04/11/07	04/16/07	JWG0701270	
1-Naphthylamine	ND	U	5.3	0.97 NE	1	04/11/07	04/16/07	JWG0701270	
Fluorene	ND	U	5.3	0.38	1	04/11/07	04/16/07	JWG0701270	
4-Chlorophenyl Phenyl Ether	ND	U	5.3	0.38 NE	1	04/11/07	04/16/07	JWG0701270	
Thionazin	ND	U	11	5.8 NE	1	04/11/07	04/16/07	JWG0701270	
Diethyl Phthalate	ND	U	5.3	0.94	1	04/11/07	04/16/07	JWG0701270	
5-Nitro-o-toluidine	ND	U	5.3	1.5 NE	1	04/11/07	04/16/07	JWG0701270	

Comments:

Analytical Results

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	04/05/2007
Sample Matrix:	Water	Date Received:	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-12	Units:	ug/L
Lab Code:	J0701623-001	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2-Methyl-4,6-dinitrophenol	ND	U	21	0.34 NE	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiphenylamine†	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Diallate	ND	U	5.3	5.3 0.6	1	04/11/07	04/16/07	JWG0701270	
1,3,5-Trinitrobenzene	ND	U	5.3	3.2	1	04/11/07	04/16/07	JWG0701270	
4-Bromophenyl Phenyl Ether	ND	U	5.3	0.28 NE	1	04/11/07	04/16/07	JWG0701270	
Phenacetin	ND	U	5.3	1.3 NE	1	04/11/07	04/16/07	JWG0701270	
Hexachlorobenzene	ND	U	5.3	0.35	1	04/11/07	04/16/07	JWG0701270	
4-Aminobiphenyl	ND	U	5.3	1.3 NE	1	04/11/07	04/16/07	JWG0701270	
Pentachlorophenol	ND	U	21	0.41	1	04/11/07	04/16/07	JWG0701270	
Pentachloronitrobenzene PQL 0.3	ND	U	5.3	1.6 0.1	1	04/11/07	04/16/07	JWG0701270	
PRO Pronamide	ND	U	21	20	1	04/11/07	04/16/07	JWG0701270	
PH Phenanthrene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Dinoseb	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Anthracene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Di-n-butyl Phthalate	ND	U	5.3	0.95	1	04/11/07	04/16/07	JWG0701270	
Parathion [ALSO ON B141]	ND	U	21	5.7 4.2	1	04/11/07	04/16/07	JWG0701270	
Methapyrilene	ND	U	5.3	3.8 NE	1	04/11/07	04/16/07	JWG0701270	
Isodrin	ND	U	11	5.9 NE	1	04/11/07	04/16/07	JWG0701270	
Fluoranthene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Pyrene	ND	U	5.3	0.45	1	04/11/07	04/16/07	JWG0701270	
Chlorobenzilate PQL 0.8	ND	U	11	6.2 0.1	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dimethylbenzidine PQL 10 OK	ND	U	21	0.63 0.004	1	04/11/07	04/16/07	JWG0701270	
Famphur	ND	U	11	6.6 3.5	1	04/11/07	04/16/07	JWG0701270	
p-Dimethylaminoazobenzene	ND	U	5.3	1.8 NE	1	04/11/07	04/16/07	JWG0701270	
Butyl Benzyl Phthalate	ND	U	11	0.59	1	04/11/07	04/16/07	JWG0701270	
2-Acetylaminofluorene	ND	U	5.3	2.0 NE	1	04/11/07	04/16/07	JWG0701270	
Kepone PQL 6	ND	U	53	24 0.004	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dichlorobenzidine ~~PQL 50 OK~~	ND	U	21	0.64 0.08	1	04/11/07	04/16/07	JWG0701270	
Benz(a)anthracene PQL 0.2	ND	U	5.3	0.59 0.05	1	04/11/07	04/16/07	JWG0701270	
Chrysene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
Bis(2-ethylhexyl) Phthalate	ND	U	5.3	1.2	1	04/11/07	04/16/07	JWG0701270	
Di-n-octyl Phthalate	ND	U	5.3	0.71	1	04/11/07	04/16/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49560 MW-12	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(b)fluoranthene PQL@ 0.1	ND	U	5.3	0.61 0.05	1	04/11/07	04/16/07	JWG0701270	
Benzo(k)fluoranthene	ND	U	5.3	0.60 0.5	1	04/11/07	04/16/07	JWG0701270	
7,12-Dimethylbenz(a)anthracene	ND	U	5.3	1.5 NE	1	04/11/07	04/16/07	JWG0701270	
a,a-Dimethylphenethylamine	ND	U	21	2.0	1	04/11/07	04/16/07	JWG0701270	
Benzo(a)pyrene	ND	U	5.3	0.58 0.2	1	04/11/07	04/16/07	JWG0701270	
3-Methylcholanthrene	ND	U	5.3	1.6 NE	1	04/11/07	04/16/07	JWG0701270	
Indeno(1,2,3-cd)pyrene PQL@ 0.7	ND	U	5.3	0.56 0.05	1	04/11/07	04/16/07	JWG0701270	
Dibenz(a,h)anthracene PQL@ 0.2	ND	U	5.3	0.59 0.005	1	04/11/07	04/16/07	JWG0701270	
Benzo(g,h,i)perylene	ND	U	5.3	0.52	1	04/11/07	04/16/07	JWG0701270	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	26	10-77	04/16/07	Acceptable
Phenol-d6	16	10-51	04/16/07	Acceptable
Nitrobenzene-d5	61	42-106	04/16/07	Acceptable
2-Fluorobiphenyl	62	43-99	04/16/07	Acceptable
2,4,6-Tribromophenol	83	30-141	04/16/07	Acceptable
Terphenyl-d14	96	23-165	04/16/07	Acceptable

† **Analyte Comments**

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	5.3	0.53	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosomethylethylamine	ND	U	5.3	0.62	1	04/11/07	04/16/07	JWG0701270	
Methyl Methanesulfonate	ND	U	5.3	0.62	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiethylamine	ND	U	5.3	0.99	1	04/11/07	04/16/07	JWG0701270	
Ethyl Methanesulfonate	ND	U	5.3	0.87	1	04/11/07	04/16/07	JWG0701270	
Phenol	ND	U	5.3	1.8	1	04/11/07	04/16/07	JWG0701270	
Bis(2-chloroethyl) Ether	ND	U	5.3	0.45	1	04/11/07	04/16/07	JWG0701270	
2-Chlorophenol	ND	U	5.3	0.50	1	04/11/07	04/16/07	JWG0701270	
1,3-Dichlorobenzene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
1,4-Dichlorobenzene	ND	U	5.3	0.57	1	04/11/07	04/16/07	JWG0701270	
1,2-Dichlorobenzene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
Bis(2-chloroisopropyl) Ether	ND	U	5.3	0.60	1	04/11/07	04/16/07	JWG0701270	
Benzyl alcohol	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
2-Methylphenol	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
Acetophenone	ND	U	11	5.9	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopyrrolidine	ND	U	5.3	0.83	1	04/11/07	04/16/07	JWG0701270	
Hexachloroethane	ND	U	5.3	0.55	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-propylamine	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
o-Toluidine	ND	U	5.3	0.75	1	04/11/07	04/16/07	JWG0701270	
4-Methylphenol†	ND	U	5.3	0.77	1	04/11/07	04/16/07	JWG0701270	
Nitrobenzene	ND	U	5.3	0.61	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopiperidine	ND	U	5.3	1.2	1	04/11/07	04/16/07	JWG0701270	
Isophorone	ND	U	5.3	0.67	1	04/11/07	04/16/07	JWG0701270	
2-Nitrophenol	ND	U	21	0.49	1	04/11/07	04/16/07	JWG0701270	
2,4-Dimethylphenol	ND	U	5.3	0.56	1	04/11/07	04/16/07	JWG0701270	
O,O,O-Triethyl Phosphorothioate	ND	U	21	5.2	1	04/11/07	04/16/07	JWG0701270	
bis(2-Chloroethoxy)methane	ND	U	5.3	0.47	1	04/11/07	04/16/07	JWG0701270	
2,4-Dichlorophenol	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
1,2,4-Trichlorobenzene	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Naphthalene	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
2,6-Dichlorophenol	ND	U	11	1.3	1	04/11/07	04/16/07	JWG0701270	
Hexachloropropene	ND	U	5.3	1.4	1	04/11/07	04/16/07	JWG0701270	
4-Chloroaniline	ND	U	5.3	0.39	1	04/11/07	04/16/07	JWG0701270	

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Hexachlorobutadiene	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-butylamine	ND	U	5.3	1.7	1	04/11/07	04/16/07	JWG0701270	
p-Phenylenediamine	ND	U	21	21	1	04/11/07	04/16/07	JWG0701270	
4-Chloro-3-methylphenol	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
2-Methylnaphthalene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
Hexachlorocyclopentadiene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
1,2,4,5-Tetrachlorobenzene	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
Safrole	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
2,4,6-Trichlorophenol	ND	U	5.3	0.42	1	04/11/07	04/16/07	JWG0701270	
2,4,5-Trichlorophenol	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Isosafrole	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
2-Chloronaphthalene	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
2-Nitroaniline	ND	U	5.3	0.32	1	04/11/07	04/16/07	JWG0701270	
1,4-Naphthoquinone	ND	U	11	7.6	1	04/11/07	04/16/07	JWG0701270	
1,3-Dinitrobenzene	ND	U	11	5.8	1	04/11/07	04/16/07	JWG0701270	
Acenaphthylene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Dimethyl Phthalate	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
2,6-Dinitrotoluene	ND	U	5.3	0.53	1	04/11/07	04/16/07	JWG0701270	
Acenaphthene	ND	U	5.3	0.34	1	04/11/07	04/16/07	JWG0701270	
3-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrophenol	ND	U	21	0.75	1	04/11/07	04/16/07	JWG0701270	
Pentachlorobenzene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Dibenzofuran	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
4-Nitrophenol	ND	U	21	0.60	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrotoluene	ND	U	5.3	0.41	1	04/11/07	04/16/07	JWG0701270	
2-Naphthylamine	ND	U	5.3	1.1	1	04/11/07	04/16/07	JWG0701270	
2,3,4,6-Tetrachlorophenol	ND	U	5.3	0.48	1	04/11/07	04/16/07	JWG0701270	
1-Naphthylamine	ND	U	5.3	0.97	1	04/11/07	04/16/07	JWG0701270	
Fluorene	ND	U	5.3	0.38	1	04/11/07	04/16/07	JWG0701270	
4-Chlorophenyl Phenyl Ether	ND	U	5.3	0.38	1	04/11/07	04/16/07	JWG0701270	
Thionazin	ND	U	11	5.8	1	04/11/07	04/16/07	JWG0701270	
Diethyl Phthalate	ND	U	5.3	0.94	1	04/11/07	04/16/07	JWG0701270	
5-Nitro-o-toluidine	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	

Comments:

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	04/05/2007
Sample Matrix:	Water	Date Received:	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11	Units:	ug/L
Lab Code:	J0701623-002	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2-Methyl-4,6-dinitrophenol	ND	U	21	0.34	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiphenylamine†	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Diallate	ND	U	5.3	5.3	1	04/11/07	04/16/07	JWG0701270	
1,3,5-Trinitrobenzene	ND	U	5.3	3.2	1	04/11/07	04/16/07	JWG0701270	
4-Bromophenyl Phenyl Ether	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Phenacetin	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Hexachlorobenzene	ND	U	5.3	0.35	1	04/11/07	04/16/07	JWG0701270	
4-Aminobiphenyl	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Pentachlorophenol	ND	U	21	0.41	1	04/11/07	04/16/07	JWG0701270	
Pentachloronitrobenzene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Pronamide	ND	U	21	20	1	04/11/07	04/16/07	JWG0701270	
Phenanthrene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Dinoseb	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Anthracene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Di-n-butyl Phthalate	ND	U	5.3	0.95	1	04/11/07	04/16/07	JWG0701270	
Parathion	ND	U	21	5.7	1	04/11/07	04/16/07	JWG0701270	
Methapyrilene	ND	U	5.3	3.8	1	04/11/07	04/16/07	JWG0701270	
Isodrin	ND	U	11	5.9	1	04/11/07	04/16/07	JWG0701270	
Fluoranthene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Pyrene	ND	U	5.3	0.45	1	04/11/07	04/16/07	JWG0701270	
Chlorobenzilate	ND	U	11	6.2	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dimethylbenzidine	ND	U	21	0.63	1	04/11/07	04/16/07	JWG0701270	
Famphur	ND	U	11	6.6	1	04/11/07	04/16/07	JWG0701270	
p-Dimethylaminoazobenzene	ND	U	5.3	1.8	1	04/11/07	04/16/07	JWG0701270	
Butyl Benzyl Phthalate	ND	U	11	0.59	1	04/11/07	04/16/07	JWG0701270	
2-Acetylaminofluorene	ND	U	5.3	2.0	1	04/11/07	04/16/07	JWG0701270	
Kepone	ND	U	53	24	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dichlorobenzidine	ND	U	21	0.64	1	04/11/07	04/16/07	JWG0701270	
Benz(a)anthracene	ND	U	5.3	0.59	1	04/11/07	04/16/07	JWG0701270	
Chrysene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
Bis(2-ethylhexyl) Phthalate	ND	U	5.3	1.2	1	04/11/07	04/16/07	JWG0701270	
Di-n-octyl Phthalate	ND	U	5.3	0.71	1	04/11/07	04/16/07	JWG0701270	

Comments:

Client:	SunLabs, Inc.		**Service Request:**	J0701623
Project:	Appendix II/070406.04		**Date Collected:**	04/05/2007
Sample Matrix:	Water		**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49561 MW-11		**Units:**	ug/L
Lab Code:	J0701623-002		**Basis:**	NA
Extraction Method:	EPA 3510C		**Level:**	Low
Analysis Method:	8270C			

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(b)fluoranthene	ND	U	5.3	0.61	1	04/11/07	04/16/07	JWG0701270	
Benzo(k)fluoranthene	ND	U	5.3	0.60	1	04/11/07	04/16/07	JWG0701270	
7,12-Dimethylbenz(a)anthracene	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
a,a-Dimethylphenethylamine	ND	U	21	2.0	1	04/11/07	04/16/07	JWG0701270	
Benzo(a)pyrene	ND	U	5.3	0.58	1	04/11/07	04/16/07	JWG0701270	
3-Methylcholanthrene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Indeno(1,2,3-cd)pyrene	ND	U	5.3	0.56	1	04/11/07	04/16/07	JWG0701270	
Dibenz(a,h)anthracene	ND	U	5.3	0.59	1	04/11/07	04/16/07	JWG0701270	
Benzo(g,h,i)perylene	ND	U	5.3	0.52	1	04/11/07.	04/16/07	JWG0701270	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	26	10-77	04/16/07	Acceptable
Phenol-d6	16	10-51	04/16/07	Acceptable
Nitrobenzene-d5	63	42-106	04/16/07	Acceptable
2-Fluorobiphenyl	63	43-99	04/16/07	Acceptable
2,4,6-Tribromophenol	85	30-141	04/16/07	Acceptable
Terphenyl-d14	99	23-165	04/16/07	Acceptable

† **Analyte Comments**

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 MW-10	**Units:**	ug/L
Lab Code:	J0701623-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	5.3	0.53	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosomethylethylamine	ND	U	5.3	0.62	1	04/11/07	04/16/07	JWG0701270	
Methyl Methanesulfonate	ND	U	5.3	0.62	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiethylamine	ND	U	5.3	0.99	1	04/11/07	04/16/07	JWG0701270	
Ethyl Methanesulfonate	ND	U	5.3	0.87	1	04/11/07	04/16/07	JWG0701270	
Phenol	ND	U	5.3	1.8	1	04/11/07	04/16/07	JWG0701270	
Bis(2-chloroethyl) Ether	ND	U	5.3	0.45	1	04/11/07	04/16/07	JWG0701270	
2-Chlorophenol	ND	U	5.3	0.50	1	04/11/07	04/16/07	JWG0701270	
1,3-Dichlorobenzene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
1,4-Dichlorobenzene	ND	U	5.3	0.57	1	04/11/07	04/16/07	JWG0701270	
1,2-Dichlorobenzene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
Bis(2-chloroisopropyl) Ether	ND	U	5.3	0.60	1	04/11/07	04/16/07	JWG0701270	
Benzyl alcohol	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
2-Methylphenol	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
Acetophenone	ND	U	11	5.9	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopyrrolidine	ND	U	5.3	0.83	1	04/11/07	04/16/07	JWG0701270	
Hexachloroethane	ND	U	5.3	0.55	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-propylamine	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
o-Toluidine	ND	U	5.3	0.75	1	04/11/07	04/16/07	JWG0701270	
4-Methylphenol†	ND	U	5.3	0.77	1	04/11/07	04/16/07	JWG0701270	
Nitrobenzene	ND	U	5.3	0.61	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosopiperidine	ND	U	5.3	1.2	1	04/11/07	04/16/07	JWG0701270	
Isophorone	ND	U	5.3	0.67	1	04/11/07	04/16/07	JWG0701270	
2-Nitrophenol	ND	U	21	0.49	1	04/11/07	04/16/07	JWG0701270	
2,4-Dimethylphenol	ND	U	5.3	0.56	1	04/11/07	04/16/07	JWG0701270	
O,O,O-Triethyl Phosphorothioate	ND	U	21	5.2	1	04/11/07	04/16/07	JWG0701270	
bis(2-Chloroethoxy)methane	ND	U	5.3	0.47	1	04/11/07	04/16/07	JWG0701270	
2,4-Dichlorophenol	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
1,2,4-Trichlorobenzene	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Naphthalene	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
2,6-Dichlorophenol	ND	U	11	1.3	1	04/11/07	04/16/07	JWG0701270	
Hexachloropropene	ND	U	5.3	1.4	1	04/11/07	04/16/07	JWG0701270	
4-Chloroaniline	ND	U	5.3	0.39	1	04/11/07	04/16/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 MW-10	**Units:**	ug/L
Lab Code:	J0701623-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Hexachlorobutadiene	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodi-n-butylamine	ND	U	5.3	1.7	1	04/11/07	04/16/07	JWG0701270	
p-Phenylenediamine	ND	U	21	21	1	04/11/07	04/16/07	JWG0701270	
4-Chloro-3-methylphenol	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
2-Methylnaphthalene	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
Hexachlorocyclopentadiene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
1,2,4,5-Tetrachlorobenzene	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
Safrole	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
2,4,6-Trichlorophenol	ND	U	5.3	0.42	1	04/11/07	04/16/07	JWG0701270	
2,4,5-Trichlorophenol	ND	U	5.3	0.43	1	04/11/07	04/16/07	JWG0701270	
Isosafrole	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
2-Chloronaphthalene	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
2-Nitroaniline	ND	U	5.3	0.32	1	04/11/07	04/16/07	JWG0701270	
1,4-Naphthoquinone	ND	U	11	7.6	1	04/11/07	04/16/07	JWG0701270	
1,3-Dinitrobenzene	ND	U	11	5.8	1	04/11/07	04/16/07	JWG0701270	
Acenaphthylene	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Dimethyl Phthalate	ND	U	5.3	0.44	1	04/11/07	04/16/07	JWG0701270	
2,6-Dinitrotoluene	ND	U	5.3	0.53	1	04/11/07	04/16/07	JWG0701270	
Acenaphthene	ND	U	5.3	0.34	1	04/11/07	04/16/07	JWG0701270	
3-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrophenol	ND	U	21	0.75	1	04/11/07	04/16/07	JWG0701270	
Pentachlorobenzene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Dibenzofuran	ND	U	5.3	0.46	1	04/11/07	04/16/07	JWG0701270	
4-Nitrophenol	ND	U	21	0.60	1	04/11/07	04/16/07	JWG0701270	
2,4-Dinitrotoluene	ND	U	5.3	0.41	1	04/11/07	04/16/07	JWG0701270	
2-Naphthylamine	ND	U	5.3	1.1	1	04/11/07	04/16/07	JWG0701270	
2,3,4,6-Tetrachlorophenol	ND	U	5.3	0.48	1	04/11/07	04/16/07	JWG0701270	
1-Naphthylamine	ND	U	5.3	0.97	1	04/11/07	04/16/07	JWG0701270	
Fluorene	ND	U	5.3	0.38	1	04/11/07	04/16/07	JWG0701270	
4-Chlorophenyl Phenyl Ether	ND	U	5.3	0.38	1	04/11/07	04/16/07	JWG0701270	
Thionazin	ND	U	11	5.8	1	04/11/07	04/16/07	JWG0701270	
Diethyl Phthalate	ND	U	5.3	0.94	1	04/11/07	04/16/07	JWG0701270	
5-Nitro-o-toluidine	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	04/05/2007
Sample Matrix:	Water	**Date Received:**	04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	49562 MW-10	**Units:**	ug/L
Lab Code:	J0701623-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitroaniline	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
2-Methyl-4,6-dinitrophenol	ND	U	21	0.34	1	04/11/07	04/16/07	JWG0701270	
N-Nitrosodiphenylamine†	ND	U	5.3	0.36	1	04/11/07	04/16/07	JWG0701270	
Diallate	ND	U	5.3	5.3	1	04/11/07	04/16/07	JWG0701270	
1,3,5-Trinitrobenzene	ND	U	5.3	3.2	1	04/11/07	04/16/07	JWG0701270	
4-Bromophenyl Phenyl Ether	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Phenacetin	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Hexachlorobenzene	ND	U	5.3	0.35	1	04/11/07	04/16/07	JWG0701270	
4-Aminobiphenyl	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Pentachlorophenol	ND	U	21	0.41	1	04/11/07	04/16/07	JWG0701270	
Pentachloronitrobenzene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Pronamide	ND	U	21	20	1	04/11/07	04/16/07	JWG0701270	
Phenanthrene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Dinoseb	ND	U	5.3	1.3	1	04/11/07	04/16/07	JWG0701270	
Anthracene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Di-n-butyl Phthalate	ND	U	5.3	0.95	1	04/11/07	04/16/07	JWG0701270	
Parathion	ND	U	21	5.7	1	04/11/07	04/16/07	JWG0701270	
Methapyrilene	ND	U	5.3	3.8	1	04/11/07	04/16/07	JWG0701270	
Isodrin	ND	U	11	5.9	1	04/11/07	04/16/07	JWG0701270	
Fluoranthene	ND	U	5.3	0.28	1	04/11/07	04/16/07	JWG0701270	
Pyrene	ND	U	5.3	0.45	1	04/11/07	04/16/07	JWG0701270	
Chlorobenzilate	ND	U	11	6.2	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dimethylbenzidine	ND	U	21	0.63	1	04/11/07	04/16/07	JWG0701270	
Famphur	ND	U	11	6.6	1	04/11/07	04/16/07	JWG0701270	
p-Dimethylaminoazobenzene	ND	U	5.3	1.8	1	04/11/07	04/16/07	JWG0701270	
Butyl Benzyl Phthalate	ND	U	11	0.59	1	04/11/07	04/16/07	JWG0701270	
2-Acetylaminofluorene	ND	U	5.3	2.0	1	04/11/07	04/16/07	JWG0701270	
Kepone	ND	U	53	24	1	04/11/07	04/16/07	JWG0701270	
3,3'-Dichlorobenzidine	ND	U	21	0.64	1	04/11/07	04/16/07	JWG0701270	
Benz(a)anthracene	ND	U	5.3	0.59	1	04/11/07	04/16/07	JWG0701270	
Chrysene	ND	U	5.3	0.54	1	04/11/07	04/16/07	JWG0701270	
Bis(2-ethylhexyl) Phthalate	ND	U	5.3	1.2	1	04/11/07	04/16/07	JWG0701270	
Di-n-octyl Phthalate	ND	U	5.3	0.71	1	04/11/07	04/16/07	JWG0701270	

Comments:

Analytical Results

Client: SunLabs, Inc.
Project: Appendix II/070406.04
Sample Matrix: Water

Service Request: J0701623
Date Collected: 04/05/2007
Date Received: 04/07/2007

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name: 49562 MW-10
Lab Code: J0701623-003
Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(b)fluoranthene	ND	U	5.3	0.61	1	04/11/07	04/16/07	JWG0701270	
Benzo(k)fluoranthene	ND	U	5.3	0.60	1	04/11/07	04/16/07	JWG0701270	
7,12-Dimethylbenz(a)anthracene	ND	U	5.3	1.5	1	04/11/07	04/16/07	JWG0701270	
a,a-Dimethylphenethylamine	ND	U	21	2.0	1	04/11/07	04/16/07	JWG0701270	
Benzo(a)pyrene	ND	U	5.3	0.58	1	04/11/07	04/16/07	JWG0701270	
3-Methylcholanthrene	ND	U	5.3	1.6	1	04/11/07	04/16/07	JWG0701270	
Indeno(1,2,3-cd)pyrene	ND	U	5.3	0.56	1	04/11/07	04/16/07	JWG0701270	
Dibenz(a,h)anthracene	ND	U	5.3	0.59	1	04/11/07	04/16/07	JWG0701270	
Benzo(g,h,i)perylene	ND	U	5.3	0.52	1	04/11/07	04/16/07	JWG0701270	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	26	10-77	04/16/07	Acceptable
Phenol-d6	16	10-51	04/16/07	Acceptable
Nitrobenzene-d5	60	42-106	04/16/07	Acceptable
2-Fluorobiphenyl	56	43-99	04/16/07	Acceptable
2,4,6-Tribromophenol	82	30-141	04/16/07	Acceptable
Terphenyl-d14	85	23-165	04/16/07	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701270-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
N-Nitrosodimethylamine	ND	U	5.0	0.50	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosomethylethylamine	ND	U	5.0	0.59	1	04/11/07	04/15/07	JWG0701270	
Methyl Methanesulfonate	ND	U	5.0	0.59	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosodiethylamine	ND	U	5.0	0.95	1	04/11/07	04/15/07	JWG0701270	
Ethyl Methanesulfonate	ND	U	5.0	0.83	1	04/11/07	04/15/07	JWG0701270	
Phenol	ND	U	5.0	1.7	1	04/11/07	04/15/07	JWG0701270	
Bis(2-chloroethyl) Ether	ND	U	5.0	0.43	1	04/11/07	04/15/07	JWG0701270	
2-Chlorophenol	ND	U	5.0	0.48	1	04/11/07	04/15/07	JWG0701270	
1,3-Dichlorobenzene	ND	U	5.0	0.42	1	04/11/07	04/15/07	JWG0701270	
1,4-Dichlorobenzene	ND	U	5.0	0.54	1	04/11/07	04/15/07	JWG0701270	
1,2-Dichlorobenzene	ND	U	5.0	0.51	1	04/11/07	04/15/07	JWG0701270	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	0.57	1	04/11/07	04/15/07	JWG0701270	
Benzyl alcohol	ND	U	5.0	0.42	1	04/11/07	04/15/07	JWG0701270	
2-Methylphenol	ND	U	5.0	0.44	1	04/11/07	04/15/07	JWG0701270	
Acetophenone	ND	U	10	5.6	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosopyrrolidine	ND	U	5.0	0.79	1	04/11/07	04/15/07	JWG0701270	
Hexachloroethane	ND	U	5.0	0.52	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosodi-n-propylamine	ND	U	5.0	0.51	1	04/11/07	04/15/07	JWG0701270	
o-Toluidine	ND	U	5.0	0.72	1	04/11/07	04/15/07	JWG0701270	
4-Methylphenol†	ND	U	5.0	0.73	1	04/11/07	04/15/07	JWG0701270	
Nitrobenzene	ND	U	5.0	0.58	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosopiperidine	ND	U	5.0	1.1	1	04/11/07	04/15/07	JWG0701270	
Isophorone	ND	U	5.0	0.64	1	04/11/07	04/15/07	JWG0701270	
2-Nitrophenol	ND	U	20	0.47	1	04/11/07	04/15/07	JWG0701270	
2,4-Dimethylphenol	ND	U	5.0	0.53	1	04/11/07	04/15/07	JWG0701270	
O,O,O-Triethyl Phosphorothioate	ND	U	20	4.9	1	04/11/07	04/15/07	JWG0701270	
bis(2-Chloroethoxy)methane	ND	U	5.0	0.45	1	04/11/07	04/15/07	JWG0701270	
2,4-Dichlorophenol	ND	U	5.0	0.41	1	04/11/07	04/15/07	JWG0701270	
1,2,4-Trichlorobenzene	ND	U	5.0	0.41	1	04/11/07	04/15/07	JWG0701270	
Naphthalene	ND	U	5.0	0.41	1	04/11/07	04/15/07	JWG0701270	
2,6-Dichlorophenol	ND	U	10	1.2	1	04/11/07	04/15/07	JWG0701270	
Hexachloropropene	ND	U	5.0	1.3	1	04/11/07	04/15/07	JWG0701270	
4-Chloroaniline	ND	U	5.0	0.37	1	04/11/07	04/15/07	JWG0701270	

Comments:

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701270-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Hexachlorobutadiene	ND	U	5.0	0.44	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosodi-n-butylamine	ND	U	5.0	1.6	1	04/11/07	04/15/07	JWG0701270	
p-Phenylenediamine	ND	U	20	20	1	04/11/07	04/15/07	JWG0701270	
4-Chloro-3-methylphenol	ND	U	5.0	0.51	1	04/11/07	04/15/07	JWG0701270	
2-Methylnaphthalene	ND	U	5.0	0.42	1	04/11/07	04/15/07	JWG0701270	
Hexachlorocyclopentadiene	ND	U	5.0	0.34	1	04/11/07	04/15/07	JWG0701270	
1,2,4,5-Tetrachlorobenzene	ND	U	5.0	1.4	1	04/11/07	04/15/07	JWG0701270	
Safrole	ND	U	5.0	1.4	1	04/11/07	04/15/07	JWG0701270	
2,4,6-Trichlorophenol	ND	U	5.0	0.40	1	04/11/07	04/15/07	JWG0701270	
2,4,5-Trichlorophenol	ND	U	5.0	0.41	1	04/11/07	04/15/07	JWG0701270	
Isosafrole	ND	U	5.0	1.4	1	04/11/07	04/15/07	JWG0701270	
2-Chloronaphthalene	ND	U	5.0	0.44	1	04/11/07	04/15/07	JWG0701270	
2-Nitroaniline	ND	U	5.0	0.30	1	04/11/07	04/15/07	JWG0701270	
1,4-Naphthoquinone	ND	U	10	7.2	1	04/11/07	04/15/07	JWG0701270	
1,3-Dinitrobenzene	ND	U	10	5.5	1	04/11/07	04/15/07	JWG0701270	
Acenaphthylene	ND	U	5.0	0.34	1	04/11/07	04/15/07	JWG0701270	
Dimethyl Phthalate	ND	U	5.0	0.42	1	04/11/07	04/15/07	JWG0701270	
2,6-Dinitrotoluene	ND	U	5.0	0.50	1	04/11/07	04/15/07	JWG0701270	
Acenaphthene	ND	U	5.0	0.32	1	04/11/07	04/15/07	JWG0701270	
3-Nitroaniline	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
2,4-Dinitrophenol	ND	U	20	0.72	1	04/11/07	04/15/07	JWG0701270	
Pentachlorobenzene	ND	U	5.0	1.5	1	04/11/07	04/15/07	JWG0701270	
Dibenzofuran	ND	U	5.0	0.44	1	04/11/07	04/15/07	JWG0701270	
4-Nitrophenol	ND	U	20	0.57	1	04/11/07	04/15/07	JWG0701270	
2,4-Dinitrotoluene	ND	U	5.0	0.39	1	04/11/07	04/15/07	JWG0701270	
2-Naphthylamine	ND	U	5.0	1.0	1	04/11/07	04/15/07	JWG0701270	
2,3,4,6-Tetrachlorophenol	ND	U	5.0	0.46	1	04/11/07	04/15/07	JWG0701270	
1-Naphthylamine	ND	U	5.0	0.93	1	04/11/07	04/15/07	JWG0701270	
Fluorene	ND	U	5.0	0.36	1	04/11/07	04/15/07	JWG0701270	
4-Chlorophenyl Phenyl Ether	ND	U	5.0	0.36	1	04/11/07	04/15/07	JWG0701270	
Thionazin	ND	U	10	5.5	1	04/11/07	04/15/07	JWG0701270	
Diethyl Phthalate	ND	U	5.0	0.90	1	04/11/07	04/15/07	JWG0701270	
5-Nitro-o-toluidine	ND	U	5.0	1.4	1	04/11/07	04/15/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0701270-4	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Nitroaniline	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
2-Methyl-4,6-dinitrophenol	ND	U	20	0.32	1	04/11/07	04/15/07	JWG0701270	
N-Nitrosodiphenylamine†	ND	U	5.0	0.34	1	04/11/07	04/15/07	JWG0701270	
Diallate	ND	U	5.0	5.0	1	04/11/07	04/15/07	JWG0701270	
1,3,5-Trinitrobenzene	ND	U	5.0	3.0	1	04/11/07	04/15/07	JWG0701270	
4-Bromophenyl Phenyl Ether	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
Phenacetin	ND	U	5.0	1.2	1	04/11/07	04/15/07	JWG0701270	
Hexachlorobenzene	ND	U	5.0	0.33	1	04/11/07	04/15/07	JWG0701270	
4-Aminobiphenyl	ND	U	5.0	1.2	1	04/11/07	04/15/07	JWG0701270	
Pentachlorophenol	ND	U	20	0.39	1	04/11/07	04/15/07	JWG0701270	
Pentachloronitrobenzene	ND	U	5.0	1.5	1	04/11/07	04/15/07	JWG0701270	
Pronamide	ND	U	20	19	1	04/11/07	04/15/07	JWG0701270	
Phenanthrene	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
Dinoseb	ND	U	5.0	1.2	1	04/11/07	04/15/07	JWG0701270	
Anthracene	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
Di-n-butyl Phthalate	ND	U	5.0	0.91	1	04/11/07	04/15/07	JWG0701270	
Parathion	ND	U	20	5.4	1	04/11/07	04/15/07	JWG0701270	
Methapyrilene	ND	U	5.0	3.6	1	04/11/07	04/15/07	JWG0701270	
Isodrin	ND	U	10	5.6	1	04/11/07	04/15/07	JWG0701270	
Fluoranthene	ND	U	5.0	0.26	1	04/11/07	04/15/07	JWG0701270	
Pyrene	ND	U	5.0	0.43	1	04/11/07	04/15/07	JWG0701270	
Chlorobenzilate	ND	U	10	5.9	1	04/11/07	04/15/07	JWG0701270	
3,3'-Dimethylbenzidine	ND	U	20	0.60	1	04/11/07	04/15/07	JWG0701270	
Famphur	ND	U	10	6.3	1	04/11/07	04/15/07	JWG0701270	
p-Dimethylaminoazobenzene	ND	U	5.0	1.7	1	04/11/07	04/15/07	JWG0701270	
Butyl Benzyl Phthalate	ND	U	10	0.56	1	04/11/07	04/15/07	JWG0701270	
2-Acetylaminofluorene	ND	U	5.0	1.9	1	04/11/07	04/15/07	JWG0701270	
Kepone	ND	U	50	23	1	04/11/07	04/15/07	JWG0701270	
3,3'-Dichlorobenzidine	ND	U	20	0.61	1	04/11/07	04/15/07	JWG0701270	
Benz(a)anthracene	ND	U	5.0	0.56	1	04/11/07	04/15/07	JWG0701270	
Chrysene	ND	U	5.0	0.51	1	04/11/07	04/15/07	JWG0701270	
Bis(2-ethylhexyl) Phthalate	ND	U	5.0	1.1	1	04/11/07	04/15/07	JWG0701270	
Di-n-octyl Phthalate	ND	U	5.0	0.68	1	04/11/07	04/15/07	JWG0701270	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	NA
Sample Matrix:	Water	Date Received:	NA

Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Sample Name:	Method Blank	Units:	ug/L
Lab Code:	JWG0701270-4	Basis:	NA
Extraction Method:	EPA 3510C	Level:	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzo(b)fluoranthene	ND	U	5.0	0.58	1	04/11/07	04/15/07	JWG0701270	
Benzo(k)fluoranthene	ND	U	5.0	0.57	1	04/11/07	04/15/07	JWG0701270	
7,12-Dimethylbenz(a)anthracene	ND	U	5.0	1.4	1	04/11/07	04/15/07	JWG0701270	
a,a-Dimethylphenethylamine	ND	U	20	1.9	1	04/11/07	04/15/07	JWG0701270	
Benzo(a)pyrene	ND	U	5.0	0.55	1	04/11/07	04/15/07	JWG0701270	
3-Methylcholanthrene	ND	U	5.0	1.5	1	04/11/07	04/15/07	JWG0701270	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	0.53	1	04/11/07	04/15/07	JWG0701270	
Dibenz(a,h)anthracene	ND	U	5.0	0.56	1	04/11/07	04/15/07	JWG0701270	
Benzo(g,h,i)perylene	ND	U	5.0	0.49	1	04/11/07	04/15/07	JWG0701270	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	33	10-77	04/15/07	Acceptable
Phenol-d6	19	10-51	04/15/07	Acceptable
Nitrobenzene-d5	65	42-106	04/15/07	Acceptable
2-Fluorobiphenyl	59	43-99	04/15/07	Acceptable
2,4,6-Tribromophenol	81	30-141	04/15/07	Acceptable
Terphenyl-d14	94	23-165	04/15/07	Acceptable

† Analyte Comments

4-Methylphenol	This analyte cannot be separated from 3-Methylphenol.
N-Nitrosodiphenylamine	This analyte can not be separated from Diphenylamine.

Comments:

Analytical Results

Client:	SunLabs, Inc.	Service Request:	J0701623
ject:	Appendix II/070406.04	Date Collected:	04/05/2007
nple Matrix:	Water	Date Received:	04/07/2007

Organochlorine Pesticides by GC-ECD

Sample Name:	49560 MW-1~	Units:	ug/L
Lab Code:	J0701623-001	Basis:	NA
Extraction Method:	METHOD	Level:	Low
Analysis Method:	8081A		

Analyte Name		Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	PQL @ 0.05 OK	ND	U	0.022	0.0084 0.006	1	04/09/07	04/13/07	JWG0701254	
gamma-BHC (Lindane)		ND	U	0.022	0.0087	1	04/09/07	04/13/07	JWG0701254	
beta-BHC		ND	U	0.022	0.0090	1	04/09/07	04/13/07	JWG0701254	
delta-BHC		ND	U	0.022	0.012	1	04/09/07	04/13/07	JWG0701254	
Heptachlor		ND	U	0.022	0.011	1	04/09/07	04/13/07	JWG0701254	
Aldrin	PQL 0.05 OK	ND	U	0.022	0.0072 0.002	1	04/09/07	04/13/07	JWG0701254	
Heptachlor Epoxide		ND	U	0.022	0.0084	1	04/09/07	04/13/07	JWG0701254	
gamma-Chlordane	BETA-CHLORDANE OMITTED	ND	U	0.022	0.0079	1	04/09/07	04/13/07	JWG0701254	
alpha-Chlordane		ND	U	0.022	0.0070	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDE		ND	U	0.022	0.0089	1	04/09/07	04/13/07	JWG0701254	
Endosulfan I		ND	U	0.022	0.0094	1	04/09/07	04/13/07	JWG0701254	
DIE ieldrin	PQL 0.1 OK	ND	U	0.022	0.0077 0.002	1	04/09/07	04/13/07	JWG0701254	
EN drin		ND	UJ	0.022	0.0095	1	04/09/07	04/13/07	JWG0701254	J(3)
4,4'-DDD		ND	U	0.022	0.0084	1	04/09/07	04/13/07	JWG0701254	
Endosulfan II		ND	U	0.022	0.0068	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDT		ND	U	0.022	0.014	1	04/09/07	04/13/07	JWG0701254	
Endrin Aldehyde		ND	U	0.022	0.0090	1	04/09/07	04/13/07	JWG0701254	
Methoxychlor		ND	U	0.043	0.012	1	04/09/07	04/13/07	JWG0701254	
Endosulfan Sulfate		ND	U	0.022	0.0097	1	04/09/07	04/13/07	JWG0701254	
Endrin Ketone		ND	U	0.022	0.0056	1	04/09/07	04/13/07	JWG0701254	
Toxaphene		ND	U	0.53	0.53	1	04/09/07	04/13/07	JWG0701254	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	61	32-92	04/13/07	Acceptable
Decachlorobiphenyl	46	13-104	04/13/07	Acceptable

omments:

Client:	SunLabs, Inc.	**Service Request:**	J0701623
ject:	Appendix II/070406.04	**Date Collected:**	04/05/2007
ple Matrix:	Water	**Date Received:**	04/07/2007

Organochlorine Pesticides by GC-ECD

Sample Name:	49561 MO-11	**Units:**	ug/L
Lab Code:	J0701623-002	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
gamma-BHC (Lindane)	ND	U	0.021	0.0085	1	04/09/07	04/13/07	JWG0701254	
beta-BHC	ND	U	0.021	0.0088	1	04/09/07	04/13/07	JWG0701254	
delta-BHC	ND	U	0.021	0.012	1	04/09/07	04/13/07	JWG0701254	
Heptachlor	ND	U	0.021	0.0099	1	04/09/07	04/13/07	JWG0701254	
Aldrin	ND	U	0.021	0.0071	1	04/09/07	04/13/07	JWG0701254	
Heptachlor Epoxide	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
gamma-Chlordane	ND	U	0.021	0.0078	1	04/09/07	04/13/07	JWG0701254	
alpha-Chlordane	ND	U	0.021	0.0069	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDE	ND	U	0.021	0.0087	1	04/09/07	04/13/07	JWG0701254	
Endosulfan I	ND	U	0.021	0.0092	1	04/09/07	04/13/07	JWG0701254	
ldrin	ND	U	0.021	0.0076	1	04/09/07	04/13/07	JWG0701254	
rin	ND	UJ	0.021	0.0093	1	04/09/07	04/13/07	JWG0701254	J(3)
4,4'-DDD	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
Endosulfan II	ND	U	0.021	0.0066	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDT	ND	U	0.021	0.014	1	04/09/07	04/13/07	JWG0701254	
Endrin Aldehyde	ND	U	0.021	0.0088	1	04/09/07	04/13/07	JWG0701254	
Methoxychlor	ND	U	0.042	0.012	1	04/09/07	04/13/07	JWG0701254	
Endosulfan Sulfate	ND	U	0.021	0.0095	1	04/09/07	04/13/07	JWG0701254	
Endrin Ketone	ND	U	0.021	0.0055	1	04/09/07	04/13/07	JWG0701254	
Toxaphene	ND	U	0.52	0.52	1	04/09/07	04/13/07	JWG0701254	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	60	32-92	04/13/07	Acceptable
Decachlorobiphenyl	68	13-104	04/13/07	Acceptable

omments:

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	04/05/2007
Sample Matrix:	Water	Date Received:	04/07/2007

Organochlorine Pesticides by GC-ECD

Sample Name:	49562 MW-10	Units:	ug/L
Lab Code:	J0701623-003	Basis:	NA
Extraction Method:	METHOD	Level:	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
gamma-BHC (Lindane)	ND	U	0.021	0.0085	1	04/09/07	04/13/07	JWG0701254	
beta-BHC	ND	U	0.021	0.0088	1	04/09/07	04/13/07	JWG0701254	
delta-BHC	ND	U	0.021	0.012	1	04/09/07	04/13/07	JWG0701254	
Heptachlor	ND	U	0.021	0.0099	1	04/09/07	04/13/07	JWG0701254	
Aldrin	ND	U	0.021	0.0071	1	04/09/07	04/13/07	JWG0701254	
Heptachlor Epoxide	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
gamma-Chlordane	ND	U	0.021	0.0078	1	04/09/07	04/13/07	JWG0701254	
alpha-Chlordane	ND	U	0.021	0.0069	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDE	ND	U	0.021	0.0087	1	04/09/07	04/13/07	JWG0701254	
Endosulfan I	ND	U	0.021	0.0092	1	04/09/07	04/13/07	JWG0701254	
Dieldrin	ND	U	0.021	0.0076	1	04/09/07	04/13/07	JWG0701254	
Endrin	ND	UJ	0.021	0.0093	1	04/09/07	04/13/07	JWG0701254	J(3)
4,4'-DDD	ND	U	0.021	0.0082	1	04/09/07	04/13/07	JWG0701254	
Endosulfan II	ND	U	0.021	0.0066	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDT	ND	U	0.021	0.014	1	04/09/07	04/13/07	JWG0701254	
Endrin Aldehyde	ND	U	0.021	0.0088	1	04/09/07	04/13/07	JWG0701254	
Methoxychlor	ND	U	0.042	0.012	1	04/09/07	04/13/07	JWG0701254	
Endosulfan Sulfate	ND	U	0.021	0.0095	1	04/09/07	04/13/07	JWG0701254	
Endrin Ketone	ND	U	0.021	0.0055	1	04/09/07	04/13/07	JWG0701254	
Toxaphene	ND	U	0.52	0.52	1	04/09/07	04/13/07	JWG0701254	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	59	32-92	04/13/07	Acceptable
Decachlorobiphenyl	47	13-104	04/13/07	Acceptable

Comments:

Client:	SunLabs, Inc.	Service Request:	J0701623
Project:	Appendix II/070406.04	Date Collected:	NA
Sample Matrix:	Water	Date Received:	NA

Organochlorine Pesticides by GC-ECD

Sample Name:	Method Blank	Units:	ug/L
Lab Code:	JWG0701254-1	Basis:	NA
Extraction Method:	METHOD	Level:	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.020	0.0079	1	04/09/07	04/13/07	JWG0701254	
gamma-BHC (Lindane)	ND	U	0.020	0.0082	1	04/09/07	04/13/07	JWG0701254	
beta-BHC	ND	U	0.020	0.0085	1	04/09/07	04/13/07	JWG0701254	
delta-BHC	ND	U	0.020	0.011	1	04/09/07	04/13/07	JWG0701254	
Heptachlor	ND	U	0.020	0.0096	1	04/09/07	04/13/07	JWG0701254	
Aldrin	ND	U	0.020	0.0068	1	04/09/07	04/13/07	JWG0701254	
Heptachlor Epoxide	ND	U	0.020	0.0079	1	04/09/07	04/13/07	JWG0701254	
gamma-Chlordane	ND	U	0.020	0.0075	1	04/09/07	04/13/07	JWG0701254	
alpha-Chlordane	ND	U	0.020	0.0066	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDE	ND	U	0.020	0.0084	1	04/09/07	04/13/07	JWG0701254	
Endosulfan I	ND	U	0.020	0.0089	1	04/09/07	04/13/07	JWG0701254	
Dieldrin	ND	U	0.020	0.0073	1	04/09/07	04/13/07	JWG0701254	
Endrin	ND	UJ	0.020	0.0090	1	04/09/07	04/13/07	JWG0701254	J(3)
4,4'-DDD	ND	U	0.020	0.0079	1	04/09/07	04/13/07	JWG0701254	
Endosulfan II	ND	U	0.020	0.0064	1	04/09/07	04/13/07	JWG0701254	
4,4'-DDT	ND	U	0.020	0.013	1	04/09/07	04/13/07	JWG0701254	
Endrin Aldehyde	ND	U	0.020	0.0085	1	04/09/07	04/13/07	JWG0701254	
Methoxychlor	ND	U	0.040	0.011	1	04/09/07	04/13/07	JWG0701254	
Endosulfan Sulfate	ND	U	0.020	0.0092	1	04/09/07	04/13/07	JWG0701254	
Endrin Ketone	ND	U	0.020	0.0053	1	04/09/07	04/13/07	JWG0701254	
Toxaphene	ND	U	0.50	0.50	1	04/09/07	04/13/07	JWG0701254	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	63	32-92	04/13/07	Acceptable
Decachlorobiphenyl	77	13-104	04/13/07	Acceptable

Comments:

Analytical Report

Client :	SunLabs, Inc.	**Service Request :**	J0701623
Project Name :	Appendix II	**Date Collected :**	04/05/07
Project Number :	070406.04	**Date Received :**	04/07/07
Sample Matrix :	WATER		

Inorganic Parameters

Sample Name : 49560 MW-12
Lab Code : J0701623-001
Test Notes :

Basis : NA

Analyte	**Units**	**Analysis Method**	**MRL**	**MDL**	**Dilution Factor**	**Date/Time Analyzed**	**Result**	**Result Notes**
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	0.037	1	04/12/07 10:28	0.15	
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.005 ✓	1	04/16/07 18:36	U	
Sulfide ✓	mg/L (ppm)	376.1	2	0.38 NE	1	04/12/07 17:20	1.3	i

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	SunLabs, Inc.		**Service Request :**	J0701623
Project Name :	Appendix II		**Date Collected :**	04/05/07
Project Number :	070406.04		**Date Received :**	04/07/07
Sample Matrix :	WATER			

Inorganic Parameters

Sample Name : 49561 MW-4
Lab Code : J0701623-002
Test Notes :

Basis : NA

Analyte	**Units**	**Analysis Method**	**MRL**	**MDL**	**Dilution Factor**	**Date/Time Analyzed**	**Result**	**Result Notes**
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	0.037	1	04/12/07 10:28	0.10	
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.005	1	04/16/07 18:36	U	
Sulfide	mg/L (ppm)	376.1	2	0.38	1	04/12/07 17:20	U	

Report By:Palimi

Analytical Report

Client : SunLabs, Inc.
Project Name : Appendix II
Project Number : 070406.04
Sample Matrix : WATER

Service Request : J0701623
Date Collected : 04/05/07
Date Received : 04/07/07

Inorganic Parameters

Sample Name : 49562 MW-10
Lab Code : J0701623-003
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	0.037	1	04/12/07 10:28	0.17	
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.005	1	04/16/07 18:36	U	
Sulfide	mg/L (ppm)	376.1	2	0.38	1	04/12/07 17:20	1.6	i

Report By:Palimi

Analytical Report

Client : SunLabs, Inc.
Project Name : Appendix II
Project Number : 070406.04
Sample Matrix : WATER

Service Request : J0701623
Date Collected : NA
Date Received : NA

Inorganic Parameters

Sample Name : Method Blank
Lab Code : J0701623-MB
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	MDL	Dilution Factor	Date/Time Analyzed	Result	Result Notes
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	0.037	1	04/12/07 10:28	U	
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.005	1	04/16/07 18:36	U	
Sulfide	mg/L (ppm)	376.1	2	0.38	1	04/12/07 17:20	U	

Report By:Palimi

Client: SunLabs, Inc.
Project: Appendix II/070406.04
Sample Matrix: Water

Service Request: J0701623

Surrogate Recovery Summary
Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4
49560	J0701623-001 MW-12	90	113	90	96
49561	J0701623-002 MW-11	88	113	92	94
49562	J0701623-003 MW-10	88	115	91	94
Method Blank	JWG0701237-4	91	112	93	94
Lab Control Sample	JWG0701237-3	92	107	96	93

Surrogate Recovery Control Limits (%)

Sur1 =	1,2-Dichloroethane-d4	71-122
Sur2 =	4-Bromofluorobenzene	75-120
Sur3 =	Dibromofluoromethane	82-116
Sur4 =	Toluene-d8	88-117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Extracted:**	04/09/2007
Sample Matrix:	Water	**Date Analyzed:**	04/09/2007

Lab Control Spike Summary
Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260B	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG0701237

	Lab Control Sample JWG0701237-3 **Lab Control Spike**			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Dichlorodifluoromethane	20.0	20.0	100	69-138
Chloromethane	21.2	20.0	106	67-135
Vinyl Chloride	21.3	20.0	107	78-132
Bromomethane	20.9	20.0	104	79-130
Chloroethane	21.5	20.0	108	74-126
Trichlorofluoromethane	21.4	20.0	107	74-134
Acrolein	112	100	112	61-137
1,1-Dichloroethene	23.8	20.0	119	78-130
Acetone	110	100	110	67-133
Iodomethane (Methyl Iodide)	112	100	112	68-134
Carbon Disulfide	102	100	102	76-138
Acetonitrile	120	100	120	67-132
Allyl Chloride	21.8	20.0	109	68-128
Methylene Chloride	22.7	20.0	113	72-124
Acrylonitrile	112	100	112	77-127
trans-1,2-Dichloroethene	21.2	20.0	106	77-124
1,1-Dichloroethane	21.5	20.0	108	80-128
Vinyl Acetate	116	100	116	61-148
Chloroprene	20.0	20.0	100	81-132
cis-1,2-Dichloroethene	22.2	20.0	111	80-126
2,2-Dichloropropane	21.9	20.0	110	72-136
1,1-Dichloropropene	19.6	20.0	98	85-124
2-Butanone (MEK)	116	100	116	73-127
Propionitrile	116	100	116	77-131
Bromochloromethane	22.5	20.0	113	79-129
Methacrylonitrile	23.0	20.0	115	77-129
Chloroform	21.3	20.0	106	83-124
1,1,1-Trichloroethane (TCA)	21.5	20.0	107	79-124
Carbon Tetrachloride	21.4	20.0	107	81-125
Benzene	21.0	20.0	105	79-119
1,2-Dichloroethane (EDC)	21.9	20.0	110	80-124
Isobutyl Alcohol	511	400	128	62-139
Trichloroethene (TCE)	21.5	20.0	107	76-124
1,2-Dichloropropane	22.2	20.0	111	79-123
Dibromomethane	23.7	20.0	118	83-123
Methyl Methacrylate	21.0	20.0	105	79-128

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

Client:	SunLabs, Inc.	**Service Request:**	J0701623
ject:	Appendix II/070406.04	**Date Extracted:**	04/09/2007
mple Matrix:	Water	**Date Analyzed:**	04/09/2007

Lab Control Spike Summary
Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260B	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG0701237

	Lab Control Sample JWG0701237-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Bromodichloromethane	21.3	20.0	107	81-123
cis-1,3-Dichloropropene	19.9	20.0	100	86-123
4-Methyl-2-pentanone (MIBK)	103	100	103	72-136
Toluene	19.2	20.0	96	86-117
trans-1,3-Dichloropropene	20.0	20.0	100	83-124
Ethyl Methacrylate	20.6	20.0	103	78-127
1,1,2-Trichloroethane	20.2	20.0	101	86-114
Tetrachloroethene (PCE)	19.0	20.0	95	80-121
1,3-Dichloropropane	19.5	20.0	98	88-117
Hexanone	105	100	105	71-138
bromochloromethane	19.1	20.0	96	82-121
1,2-Dibromoethane (EDB)	20.0	20.0	100	88-117
Chlorobenzene	19.6	20.0	98	86-113
1,1,1,2-Tetrachloroethane	20.0	20.0	100	85-117
Ethylbenzene	19.6	20.0	98	90-118
m,p-Xylenes	38.5	40.0	96	86-121
o-Xylene	19.6	20.0	98	89-119
Styrene	17.4	20.0	87 *	89-122
Bromoform	19.9	20.0	100	68-129
1,1,2,2-Tetrachloroethane	20.5	20.0	103	83-120
1,2,3-Trichloropropane	22.4	20.0	112	83-123
trans-1,4-Dichloro-2-butene	20.5	20.0	103	53-143
1,3-Dichlorobenzene	18.8	20.0	94	83-112
1,4-Dichlorobenzene	19.4	20.0	97	83-113
1,2-Dichlorobenzene	19.1	20.0	96	84-115
1,2-Dibromo-3-chloropropane (DBCP	21.6	20.0	108	62-123
1,2,4-Trichlorobenzene	21.0	20.0	105	72-123
Hexachlorobutadiene	23.4	20.0	117	73-140
Naphthalene	24.1	20.0	120	59-135

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: SunLabs, Inc.
Project: Appendix II/070406.04
Sample Matrix: Water

Service Request: J0701623

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS (Appendix II)

Extraction Method: EPA 3510C
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
49560	J0701623-001	26	16	61	62	83	96
49561	J0701623-002	26	16	63	63	85	99
49562	J0701623-003	26	16	60	56	82	85
Method Blank	JWG0701270-4	33	19	65	59	81	94
49560MS	JWG0701270-1	49	39	79	83	94	92
49560DMS	JWG0701270-2	53	39	82	84	98	97
Lab Control Sample	JWG0701270-3	49	29	89	89	105	100

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	10-77	Sur5 = 2,4,6-Tribromophenol	30-141
Sur2 = Phenol-d6	10-51	Sur6 = Terphenyl-d14	23-165
Sur3 = Nitrobenzene-d5	42-106		
Sur4 = 2-Fluorobiphenyl	43-99		

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Extracted:**	04/11/2007
Sample Matrix:	Water	**Date Analyzed:**	04/15/2007 - 04/16/2007

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	49560	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	JWG0701270

		49560MS JWG0701270-1 Matrix Spike			49560DMS JWG0701270-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Bis(2-chloroethyl) Ether	ND	55.3	104	53	58.1	104	56	45-90	5	30
Phenol	ND	44.4	104	43	45.2	104	43	10-70	2	30
2-Chlorophenol	ND	60.8	104	58	65.6	104	63	19-113	8	30
1,3-Dichlorobenzene	ND	54.6	104	52	59.4	104	57	30-119	8	30
1,4-Dichlorobenzene	ND	59.0	104	57	63.9	104	61	31-119	8	30
1,2-Dichlorobenzene	ND	58.7	104	56	65.1	104	62	32-123	10	30
Bis(2-chloroisopropyl) Ether	ND	54.3	104	52	57.4	104	55	46-83	6	30
Benzyl alcohol	ND	70.1	104	67	72.7	104	70	39-96	4	30
2-Methylphenol	ND	63.3	104	61	65.5	104	63	32-96	3	30
Hexachloroethane	ND	57.0	104	55	62.3	104	60	33-99	9	30
N-Nitrosodi-n-propylamine	ND	74.7	104	72	75.1	104	72	47-89	1	30
4-Methylphenol	ND	120	156	77	127	156	81	12-106	6	30
Nitrobenzene	ND	73.9	104	71	76.9	104	74	35-109	4	30
Isophorone	ND	78.2	104	75	78.6	104	75	47-97	1	30
2-Nitrophenol	ND	72.5	104	70	75.8	104	73	16-133	4	30
2,4-Dimethylphenol	ND	78.3	104	75	80.8	104	78	35-88	3	30
bis(2-Chloroethoxy)methane	ND	59.4	104	57	60.8	104	58	48-90	2	30
2,4-Dichlorophenol	ND	74.2	104	71	75.9	104	73	21-122	2	30
Naphthalene	ND	67.0	104	64	68.7	104	66	44-93	3	30
4-Chloroaniline	ND	76.3	104	73	77.6	104	74	10-94	2	30
Hexachlorobutadiene	ND	66.1	104	63	69.1	104	66	35-95	4	30
4-Chloro-3-methylphenol	ND	82.8	104	80	82.7	104	79	28-115	0	30
2-Methylnaphthalene	ND	73.4	104	70	75.5	104	72	48-91	3	30
Hexachlorocyclopentadiene	ND	65.6	104	63	69.6	104	67	23-112	6	30
2,4,6-Trichlorophenol	ND	80.3	104	77	81.5	104	78	10-141	1	30
2,4,5-Trichlorophenol	ND	80.9	104	78	85.8	104	82	18-135	6	30
2-Chloronaphthalene	ND	82.3	104	79	83.2	104	80	49-100	1	30
2-Nitroaniline	ND	88.3	104	85	89.3	104	86	26-107	1	30
Acenaphthylene	ND	76.9	104	74	78.2	104	75	46-95	2	30
Dimethyl Phthalate	ND	81.6	104	78	84.3	104	81	38-111	3	30
2,6-Dinitrotoluene	ND	82.7	104	79	82.7	104	79	43-125	0	30
Acenaphthene	ND	77.5	104	74	79.0	104	76	48-96	2	30
3-Nitroaniline	ND	78.4	104	75	80.4	104	77	23-84	3	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	SunLabs, Inc.		Service Request:	J0701623
[illegible]ect:	Appendix II/070406.04		Date Extracted:	04/11/2007
Sample Matrix:	Water		Date Analyzed:	04/15/2007 - 04/16/2007

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	49560		Units:	ug/L
Lab Code:	J0701623-001		Basis:	NA
Extraction Method:	EPA 3510C		Level:	Low
Analysis Method:	8270C		Extraction Lot:	JWG0701270

		49560MS JWG0701270-1 Matrix Spike			49560DMS JWG0701270-2 Duplicate Matrix Spike					
Analyte Name	Sample Result	Result	Expected	%Rec	Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol	ND	71.2	104	68	75.1	104	72	10-150	5	30
Dibenzofuran	ND	79.4	104	76	81.7	104	78	49-101	3	30
4-Nitrophenol	ND	50.8	104	49	52.2	104	50	10-101	3	30
2,4-Dinitrotoluene	ND	80.3	104	77	84.5	104	81	48-126	5	30
Fluorene	ND	80.5	104	77	81.8	104	78	54-95	2	30
4-Chlorophenyl Phenyl Ether	ND	65.4	104	63	68.1	104	65	56-103	4	30
Diethyl Phthalate	ND	82.5	104	79	85.8	104	82	59-103	4	30
[illegible]itroaniline	ND	81.6	104	78	86.6	104	83	14-119	6	30
[illegible]ethyl-4,6-dinitrophenol	ND	75.1	104	72	76.7	104	74	10-141	2	30
N-Nitrosodiphenylamine	ND	84.5	104	81	83.6	104	80	44-118	1	30
4-Bromophenyl Phenyl Ether	ND	76.2	104	73	76.4	104	73	62-122	0	30
Hexachlorobenzene	ND	83.1	104	80	84.2	104	81	56-110	1	30
Pentachlorophenol	ND	77.2	104	74	80.6	104	77	18-141	4	30
Phenanthrene	ND	81.9	104	79	81.2	104	78	52-95	1	30
Anthracene	ND	78.6	104	75	80.3	104	77	53-101	2	30
Di-n-butyl Phthalate	ND	83.0	104	80	87.6	104	84	61-109	5	30
Fluoranthene	ND	82.7	104	79	87.1	104	84	54-103	5	30
Pyrene	ND	82.9	104	80	86.9	104	83	49-103	5	30
Butyl Benzyl Phthalate	ND	86.4	104	83	90.1	104	87	51-111	4	30
3,3'-Dichlorobenzidine	ND	96.5	104	93	104	104	100	19-105	7	30
Benz(a)anthracene	ND	83.0	104	80	87.9	104	84	55-104	6	30
Chrysene	ND	80.1	104	77	83.8	104	80	47-105	5	30
Bis(2-ethylhexyl) Phthalate	ND	93.1	104	89	99.6	104	96	49-114	7	30
Di-n-octyl Phthalate	ND	91.6	104	88	94.8	104	91	43-119	4	30
Benzo(b)fluoranthene	ND	81.9	104	79	86.4	104	83	54-105	5	30
Benzo(k)fluoranthene	ND	77.4	104	74	83.3	104	80	50-101	7	30
Benzo(a)pyrene	ND	87.2	104	84	93.0	104	89	56-100	6	30
Indeno(1,2,3-cd)pyrene	ND	100	104	96	110	104	106	50-115	9	30
Dibenz(a,h)anthracene	ND	101	104	97	110	104	105	44-124	8	30
Benzo(g,h,i)perylene	ND	108	104	104	122	104	117 *	51-114	12	30

[illegible]sults flagged with an asterisk (*) indicate values outside control criteria.
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Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Extracted:**	04/11/2007
Sample Matrix:	Water	**Date Analyzed:**	04/15/2007

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG0701270

	Lab Control Sample JWG0701270-3 **Lab Control Spike**			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Bis(2-chloroethyl) Ether	30.8	50.0	62	41-99
Phenol	21.6	50.0	43	12-54
2-Chlorophenol	33.4	50.0	67	35-101
1,3-Dichlorobenzene	28.5	50.0	57	30-119
1,4-Dichlorobenzene	32.5	50.0	65	31-119
1,2-Dichlorobenzene	31.6	50.0	63	32-123
Bis(2-chloroisopropyl) Ether	32.5	50.0	65	41-94
Benzyl alcohol	34.5	50.0	69	32-86
2-Methylphenol	34.1	50.0	68	21-100
Hexachloroethane	29.0	50.0	58	19-113
N-Nitrosodi-n-propylamine	36.6	50.0	73	43-103
4-Methylphenol	52.9	75.0	71	15-93
Nitrobenzene	41.0	50.0	82	36-116
Isophorone	42.0	50.0	84	46-106
2-Nitrophenol	38.9	50.0	78	40-120
2,4-Dimethylphenol	41.5	50.0	83	38-86
bis(2-Chloroethoxy)methane	39.2	50.0	78	47-100
2,4-Dichlorophenol	42.4	50.0	85	36-117
Naphthalene	36.1	50.0	72	44-97
4-Chloroaniline	42.0	50.0	84	39-86
Hexachlorobutadiene	32.8	50.0	66	20-110
4-Chloro-3-methylphenol	44.6	50.0	89	36-117
2-Methylnaphthalene	40.9	50.0	82	46-97
Hexachlorocyclopentadiene	33.2	50.0	66	23-115
2,4,6-Trichlorophenol	41.7	50.0	83	41-115
2,4,5-Trichlorophenol	45.8	50.0	92	47-113
2-Chloronaphthalene	49.5	50.0	99	47-106
2-Nitroaniline	46.2	50.0	92	46-94
Acenaphthylene	39.8	50.0	80	45-99
Dimethyl Phthalate	41.2	50.0	82	32-119
2,6-Dinitrotoluene	42.8	50.0	86	55-121
Acenaphthene	41.3	50.0	83	42-106
3-Nitroaniline	42.0	50.0	84	25-91
2,4-Dinitrophenol	35.6	50.0	71	27-128
Dibenzofuran	42.1	50.0	84	49-103

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Extracted:**	04/11/2007
Sample Matrix:	Water	**Date Analyzed:**	04/15/2007

Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG0701270

	Lab Control Sample JWG0701270-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
4-Nitrophenol	20.6	50.0	41	10-86
2,4-Dinitrotoluene	41.8	50.0	84	54-121
Fluorene	42.9	50.0	86	54-97
4-Chlorophenyl Phenyl Ether	35.0	50.0	70	53-108
Diethyl Phthalate	42.9	50.0	86	56-108
4-Nitroaniline	44.0	50.0	88	44-102
2-Methyl-4,6-dinitrophenol	39.9	50.0	80	46-117
N-Nitrosodiphenylamine	107	100	107	52-122
4-Bromophenyl Phenyl Ether	36.6	50.0	73	63-123
Hexachlorobenzene	44.1	50.0	88	55-110
Pentachlorophenol	44.5	50.0	89	44-120
Phenanthrene	43.0	50.0	86	52-99
Anthracene	43.5	50.0	87	52-104
Carbazole	43.2	50.0	86	48-118
Di-n-butyl Phthalate	44.1	50.0	88	57-118
Fluoranthene	44.1	50.0	88	52-110
Pyrene	42.0	50.0	84	53-100
Butyl Benzyl Phthalate	44.5	50.0	89	47-117
3,3'-Dichlorobenzidine	59.8	100	60	32-112
Benz(a)anthracene	42.1	50.0	84	49-114
Chrysene	41.5	50.0	83	50-113
Bis(2-ethylhexyl) Phthalate	50.7	50.0	101	48-127
Di-n-octyl Phthalate	48.5	50.0	97	35-139
Benzo(b)fluoranthene	44.2	50.0	88	56-103
Benzo(k)fluoranthene	38.4	50.0	77	48-110
Benzo(a)pyrene	45.2	50.0	90	56-107
Indeno(1,2,3-cd)pyrene	52.9	50.0	106	54-115
Dibenz(a,h)anthracene	53.3	50.0	107	51-125
Benzo(g,h,i)perylene	49.8	50.0	100	53-116

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

Client:	SunLabs, Inc.	Service Request:	J0701623
ject:	Appendix II/070406.04		
ple Matrix:	Water		

Surrogate Recovery Summary
Organochlorine Pesticides by GC-ECD

Extraction Method:	METHOD	Units:	PERCENT
Analysis Method:	8081A	Level:	Low

Sample Name	Lab Code	Sur1	Sur2
49560	J0701623-001	61	46
49561	J0701623-002	60	68
49562	J0701623-003	59	47
Method Blank	JWG0701254-1	63	77
49560MS	JWG0701254-2	64	66
49560DMS	JWG0701254-3	62	63
Lab Control Sample	JWG0701254-4	63	75
Duplicate Lab Control Sample	JWG0701254-7	58	66

Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene	32-92
Sur2 = Decachlorobiphenyl	13-104

esults flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

OLUMBIA ANALYTICAL SERVICES, I

QA/QC Report

Client:	SunLabs, Inc.	**Service Request:**	J0701623
oject:	Appendix II/070406.04	**Date Extracted:**	04/09/2007
nple Matrix:	Water	**Date Analyzed:**	04/13/2007

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides by GC-ECD

Sample Name:	49560	**Units:**	ug/L
Lab Code:	J0701623-001	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	JWG0701254

		49560MS JWG0701254-2 Matrix Spike			49560DMS JWG0701254-3 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
alpha-BHC	ND	0.681	0.833	82	0.667	0.833	80	39-108	2	30
gamma-BHC (Lindane)	ND	0.700	0.833	84	0.688	0.833	83	41-105	2	30
beta-BHC	ND	0.723	0.833	87	0.696	0.833	84	32-115	4	30
delta-BHC	ND	0.667	0.833	80	0.621	0.833	75	23-106	7	30
Heptachlor	ND	0.835	0.833	100	0.808	0.833	97	28-111	3	30
Aldrin	ND	0.696	0.833	84	0.667	0.833	80	24-110	4	30
Heptachlor Epoxide	ND	0.752	0.833	90	0.719	0.833	86	40-111	5	30
gamma-Chlordane	ND	0.652	0.833	78	0.648	0.833	78	28-109	1	30
ha-Chlordane	ND	0.663	0.833	80	0.656	0.833	79	32-104	1	30
'-DDE	ND	0.771	0.833	93	0.738	0.833	89	26-117	4	30
Endosulfan I	ND	0.708	0.833	85	0.700	0.833	84	40-108	1	30
Dieldrin	ND	0.740	0.833	89	0.727	0.833	87	37-116	2	30
Endrin	ND	0.956	0.833	115	0.956	0.833	115	35-127	0	30
4,4'-DDD	ND	0.838	0.833	101	0.804	0.833	97	41-110	4	30
Endosulfan II	ND	0.744	0.833	89	0.729	0.833	88	42-110	2	30
4,4'-DDT	ND	0.773	0.833	93	0.742	0.833	89	27-115	4	30
Endrin Aldehyde	ND	0.702	0.833	84	0.698	0.833	84	20-116	1	30
Methoxychlor	ND	0.973	0.833	117	0.998	0.833	120	23-132	3	30
Endosulfan Sulfate	ND	0.794	0.833	95	0.752	0.833	90	41-109	5	30
Endrin Ketone	ND	0.877	0.833	105	0.927	0.833	111 *	38-108	6	30

sults flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	SunLabs, Inc.	**Service Request:**	J0701623
Project:	Appendix II/070406.04	**Date Extracted:**	04/09/2007
Sample Matrix:	Water	**Date Analyzed:**	04/13/2007

Lab Control Spike/Duplicate Lab Control Spike Summary
Organochlorine Pesticides by GC-ECD

Extraction Method:	METHOD	**Units:**	ug/L
Analysis Method:	8081A	**Basis:**	NA
		Level:	Low
		Extraction Lot:	JWG0701254

	Lab Control Sample JWG0701254-4 **Lab Control Spike**			Duplicate Lab Control Sample JWG0701254-7 **Duplicate Lab Control Spike**					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
alpha-BHC	0.307	0.400	77	0.308	0.400	77	56-104	0	30
gamma-BHC (Lindane)	0.305	0.400	76	0.310	0.400	78	57-101	2	30
beta-BHC	0.321	0.400	80	0.328	0.400	82	55-97	2	30
delta-BHC	0.283	0.400	71	0.274	0.400	69	31-105	3	30
Heptachlor	0.349	0.400	87	0.352	0.400	88	52-100	1	30
Aldrin	0.296	0.400	74	0.294	0.400	74	45-108	1	30
Heptachlor Epoxide	0.320	0.400	80	0.327	0.400	82	59-103	2	30
gamma-Chlordane	0.301	0.400	75	0.301	0.400	75	53-107	0	30
alpha-Chlordane	0.308	0.400	77	0.306	0.400	77	54-104	1	30
4,4'-DDE	0.346	0.400	87	0.342	0.400	86	58-114	1	30
Endosulfan I	0.325	0.400	81	0.329	0.400	82	61-104	1	30
Dieldrin	0.338	0.400	85	0.339	0.400	85	57-111	0	30
Endrin	0.476	0.400	119 *	0.483	0.400	121 *	57-117	1	30
4,4'-DDD	0.355	0.400	89	0.361	0.400	90	56-116	2	30
Endosulfan II	0.328	0.400	82	0.330	0.400	83	50-106	1	30
4,4'-DDT	0.344	0.400	86	0.339	0.400	85	41-115	1	30
Endrin Aldehyde	0.310	0.400	78	0.318	0.400	80	51-108	3	30
Methoxychlor	0.434	0.400	109	0.430	0.400	108	43-123	1	30
Endosulfan Sulfate	0.340	0.400	85	0.334	0.400	84	56-107	2	30
Endrin Ketone	0.403	0.400	101	0.394	0.400	99	46-101	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	SunLabs, Inc.		**Service Request :**	J0701623
Project Name :	Appendix II		**Date Collected :**	04/05/07
Project Number :	070406.04		**Date Received :**	04/07/07
Sample Matrix :	WATER		**Date Extracted :**	04/14/07
			Date Analyzed :	04/16/07

Duplicate Summary
Inorganic Parameters

Sample Name : 49560
Lab Code : J0701623-001DUP
Test Notes :

Basis : NA

Analyte	**Units**	**Analysis Method**	**MRL**	**Sample Result**	**Duplicate Sample Result**	**Average**	**Relative Percent Difference**	**Result Notes**
Cyanide, Total	mg/L (ppm)	335.4	0.01	U	U	U	-	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : SunLabs, Inc.
Project Name : Appendix II
Project Number : 070406.04
Sample Matrix : WATER

Service Request : J0701623
Date Collected : 04/05/07
Date Received : 04/07/07
Date Extracted : NA
Date Analyzed : 04/12-16/07

Duplicate Summary
Inorganic Parameters

Sample Name : 49561
Lab Code : J0701623-002DUP
Test Notes :

Basis : NA

Analyte	**Units**	**Analysis Method**	**MRL**	**Sample Result**	**Duplicate Sample Result**	**Average**	**Relative Percent Difference**	**Result Notes**
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	0.10	0.084	0.092	17	
Cyanide, Total	mg/L (ppm)	335.4	0.01	U	U	U	-	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	SunLabs, Inc.	**Service Request :**	J0701623
Project Name :	Appendix II	**Date Collected :**	04/05/07
Project Number :	070406.04	**Date Received :**	04/07/07
Sample Matrix :	WATER	**Date Extracted :**	04/14/07
		Date Analyzed :	04/16/07

Matrix Spike Summary
Inorganic Parameters

Sample Name : 49560
Lab Code : J0701623-001MS
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.100	U	0.108	108	90-110	

Report By:Palimi

QA/QC Report

Client : SunLabs, Inc.
Project Name : Appendix II
Project Number : 070406.04
Sample Matrix : WATER

Service Request : J0701623
Date Collected : 04/05/07
Date Received : 04/07/07
Date Extracted : NA
Date Analyzed : 04/12-16/07

Matrix Spike Summary
Inorganic Parameters

Sample Name : 49561
Lab Code : J0701623-002MS
Test Notes :

Basis :. NA

Analyte	Units	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Ammonia as Nitrogen	mg/L (ppm)	350.1	0.05	5.00	0.10	5.48	108	90-110	
Cyanide, Total	mg/L (ppm)	335.4	0.01	0.100	U	0.109	109	90-110	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	SunLabs, Inc.	**Service Request :**	J0701623
Project Name :	Appendix II	**Date Collected :**	NA
Project Number :	070406.04	**Date Received :**	NA
Sample Matrix :	WATER	**Date Extracted :**	NA
		Date Analyzed :	04/12-16/07

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name : Laboratory Control Sample — Basis : NA
Lab Code : J0701623-LCS
Test Notes :

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Ammonia as Nitrogen	mg/L (ppm)	350.1	5.00	5.14	103	90-110	
Cyanide, Total	mg/L (ppm)	335.4	0.100	0.0950	95	90-110	
Sulfide	mg/L (ppm)	376.1	10.3	10.4	101	85-115	

Report By:Palimi

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : SunLabs, Inc.
Project Name : Appendix II
Project Number : 070406.04
Sample Matrix : WATER

Service Request : J0701623
Date Collected : NA
Date Received : NA
Date Extracted : NA
Date Analyzed : 04/12/07

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name : Laboratory Control Sample Duplicate
Lab Code : J0701623-LCSD
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide	mg/L (ppm)	376.1	10.3	10.4	101	85-115	

Report By:Palimi

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

Client: SUNLAbs INC Service Request #

Project:

Cooler received on 4-7-06 and opened on 4-9-06 by [illegible]

COURIER: CAS UPS FEDEX DHL CLIENT Tracking #

1	Were custody seals on outside of cooler?	Yes	No	N/A
2	Were seals intact, signed and dated?	Yes	No	N/A
3	Were custody papers properly filled out?	Yes	No	N/A
4	Temperature of cooler(s) upon receipt (Should be 4 +/- 2 degrees C)	1.4 2.8 1.0		
5	Correct Temperature?	Yes	No	N/A
6	Were Ice or Ice Packs present	Yes	No	N/A
7	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A
8	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A
9	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A
10	Were the correct bottles used for the tests indicated?	Yes	No	N/A
11	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A

HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2

Preservative additions noted below

12	Were all samples received within analysis holding times?	Yes	No	N/A
13	Were VOA vials checked for absence of air bubbles? If present, note below	Yes	No	N/A
14	Where did the bottles originate?	CAS	Client	

Sample ID	Reagent	Manuf. Lot # or CAS Chem ID	ml added	Inititials

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date

SR #: J

Date: 4-9-07 Initials: ESM

Note that pH is checked and meets the required pH criterion listed in the column heading unless otherwise noted on cooler receipt form.

	Bottle Code																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	40mL	40mL	40mL	40mL	125mL	125mL	125mL	125mL	250mL	250mL	250mL	~~250mL~~ 500	~~250mL~~ 500	250mL	250mL	500mL	500mL	500mL	1L	1L	1L	1L	1L	2oz	4oz	8oz	16oz	5g	100mL	Misc.
Container	G	G	G	G	P	P	P	P	P	P	P	P	P	G	G	P	P	P	P	P	G	G	G	G	G	G	G	ENC	P	Misc.
Pres.		HCl	Sodium Thiosulfate	H2SO4		HCl	H2SO4	HNO3		H2SO4	HNO3	ZnAcetate NaOH	NaOH		HNO3		H2SO4	HNO3		HNO3		HCl	H2SO4						Sodium Thiosulfate	
Req. pH	N/A	<2	N/A	<2	N/A	<2	<2	<2	N/A	<2	<2	>9	>12	N/A	<2	N/A	<2	<2	N/A	<2	N/A	<2	<2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sample #	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-001		3										1	1				1				12									
-002		3										1	1				1				4									
-003		3										1	1				1				4									
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-040																														

J0701623

SunLabs, Inc. Chain of Cust[redacted] № 12863

Client Name: SunLabs, Inc
Contact: Mike Palmer
Address: 5460 Beaumont Ctr Blvd #520
Tampa, FL 33634
Phone / Fax: 813.881.9401 / 813.354.4661
E-Mail: Lpalmer@SunLabsInc.com

SunLabs Project #

Project #: 070406.04
PO #: 07-1136
Alt Bill To:

					Dioxin	Pest 8141	Cyanide	Sulfide	Ammonia	8270	8081	8260		
Bottle Type					GA	GA	P	P	P	GA	GA	GV		
Preservative					I	I	O	O	S	I	I	H		
Matrix					GW	GW	GW	GW	GW	GW	GW	GW		
SunLabs Sample #	Sample Description	Sample Date	Sample Time	# of Bottles	Analysis / Method Requested									
	49560	4/5/07	1130	18	✓	✓	✓	✓	✓	✓	✓	✓		
	49561	4/5/07	1348	10	✓	✓	✓	✓	✓	✓	✓	✓		
	49562	4/5/07	1527	10	✓	✓	✓	✓	✓	✓	✓	✓		

Due Date Requested: STD

☐ ~~FDEP PreApproval site~~
☐ Current rates ☐ ~~Old rates~~

Remarks / Comments:
See enclosed App II analyte list
minus 8151
8082
metals
EDB/DBCP

Please e-mail results

Sampler Signature / Date: Client

Printed Name / Affiliation: Client

SUNLABS, INC. RESERVES THE RIGHT TO BILL FOR UNUSED/ UNRETURNED SAMPLES AND TO RETURN UNUSED SAMPLES.

Relinquished By:	Relinquished To:	Date:	Time:
LA Palmer	Fed Ex	4/6/07	1800
Relinquished By:	Relinquished To: Shawn Lightsey GAS	Date: 4-7-07	Time: 0915
Relinquished By:	Relinquished To:	Date:	Time:
Relinquished By:	Relinquished To:	Date:	Time:

Bottle Type Codes:
GV = Glass Vial GVS = Low Level Volatile Kit
GA = Glass Amber T = Tedlar Bag
P = Plastic O = Other
S = Soil Jar

Matrix Codes:
A = Air SO = Soil
DW = Drinking Water SOL = Solid
GW = Ground Water SW = Surface Water
SE = Sediment W = Water (Blanks)
O = Other (Specify)

Temp: ______

Received on Ice? Y / N / NA

Preservative Codes:
H = Hydrochloric Acid + Ice S = Sulfuric Acid + Ice
I = Ice only VS = MeOH, OFW, + Ice
N = Nitric Acid + Ice O = Other (Specify)
NaOH (Cyanide) Zn Acetate + NaOH (Sulfide)

Internal Use Only

Sample Condition Upon Receipt:
Custody Seals present? Y / N / NA
Shipping Bills attached? Y / N / NA
Sample containers intact? Y / N / NA
Samples within holding times? Y / N / NA
Sufficient volume for all analyses? Y / N / NA
Are vials head-space free? Y / N / NA
Proper containers and preservatives? Y / N / NA

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520, Tampa, Florida 33634
Phone: 813-881-9401 / Fax: 813-354-4661
e-mail: info@SunLabsInc.com www.SunLabsInc.com

Columbia Analytical Services inc.
An Employee-Owned Company

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Wednesday, April 25, 2007

Columbia Analytical Svcs. (CO009)
Attn: Mandy Sullivan
8540 Baycenter Road
Jacksonville, FL 32256

RE: Project Number: [none], Project Name/Desc: J0701623
ENCO Workorder: B703189

Dear Mandy Sullivan,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, April 9, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 8.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: J0401623-001 **Lab ID:** B703189-01

Sampled: 04/05/07 11:30 **Received:** 04/09/07 13:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8141A	04/12/07	05/21/07	04/11/07 12:02	4/18/2007 19:39

Client ID: J0401623-002 **Lab ID:** B703189-02

Sampled: 04/05/07 13:48 **Received:** 04/09/07 13:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8141A	04/12/07	05/21/07	04/11/07 12:02	4/18/2007 20:41

Client ID: J0401623-003 **Lab ID:** B703189-03

Sampled: 04/05/07 15:27 **Received:** 04/09/07 13:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8141A	04/12/07	05/21/07	04/11/07 12:02	4/18/2007 21:43

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SAMPLE DETECTION SUMMARY

No positive results detected.

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ANALYTICAL REPORT

Sample ID:	J0401623-001 MW-12	Project:	J0701623
Lab #:	B703189-01	Work Order #:	B703189
Prep. Method:	EPA 3510C	Matrix:	Water
Analyzed:	04/18/07 By: RC	Unit:	ug/L
Anal. Method:	EPA 8141A	Dilution Factor:	1
Anal. Batch:	AA00744		
QC Batch:	7D11016		

Organophosphorus Compounds by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Dimethoate [2C] ✓	60-51-5	0.13 U	0.13 ✓	1.0	ug/L
Disulfoton ✓	298-04-4	0.10 U	0.10 ✓	1.0	ug/L
Ethyl Parathion [ALSO BY 8270 "PARATHION"]	56-38-2	0.12 U	0.12	1.0	ug/L
Methyl parathion ✓	298-00-0	0.11 U	0.11 ✓	1.0	ug/L
Phorate ✓	298-02-2	0.10 U	0.10 ✓	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
Tributyl Phosphate	126-73-8	0.67	1.00	67 %	18-137
Triphenyl phosphate	115-86-6	0.77	1.00	77 %	49-128

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ANALYTICAL REPORT

Sample ID:	J0401623-002 MW-11	Project:	J0701623
Lab #:	B703189-02	Work Order #:	B703189
Prep. Method:	EPA 3510C	Matrix:	Water
Analyzed:	04/18/07 By: RC	Unit:	ug/L
Anal. Method:	EPA 8141A	Dilution Factor:	1
Anal. Batch:	AA00744		
QC Batch:	7D11016		

Organophosphorus Compounds by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Dimethoate [2C]	60-51-5	0.13 U	0.13	1.0	ug/L
Disulfoton	298-04-4	0.10 U	0.10	1.0	ug/L
Ethyl Parathion	56-38-2	0.12 U	0.12	1.0	ug/L
Methyl parathion	298-00-0	0.11 U	0.11	1.0	ug/L
Phorate	298-02-2	0.10 U	0.10	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
Tributyl Phosphate	126-73-8	0.66	1.00	66 %	18-137
Triphenyl phosphate	115-86-6	0.81	1.00	81 %	49-128

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ANALYTICAL REPORT

Sample ID:	J0401623-003 MW-10		Project:	J0701623
Lab #:	B703189-03		Work Order #:	B703189
Prep. Method:	EPA 3510C		Matrix:	Water
Analyzed:	04/18/07	By: RC	Unit:	ug/L
Anal. Method:	EPA 8141A		Dilution Factor:	1
Anal. Batch:	AA00744			
QC Batch:	7D11016			

Organophosphorus Compounds by GC

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Dimethoate [2C]	60-51-5	0.13 U	0.13	1.0	ug/L
Disulfoton	298-04-4	0.10 U	0.10	1.0	ug/L
Ethyl Parathion	56-38-2	0.12 U	0.12	1.0	ug/L
Methyl parathion	298-00-0	0.11 U	0.11	1.0	ug/L
Phorate	298-02-2	0.10 U	0.10	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
Tributyl Phosphate	126-73-8	0.69	1.00	69 %	18-137
Triphenyl phosphate	115-86-6	0.85	1.00	85 %	49-128

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
Organophosphorus Compounds by GC - Quality Control										
Batch 7D11016 - EPA 3510C										
Blank (7D11016-BLK1)				Prepared: 04/11/2007 12:02 Analyzed: 04/18/2007 15:31						
Dimethoate [2C]	0.13 U	1.0	ug/L							
Disulfoton	0.10 U	1.0	ug/L							
Ethyl Parathion	0.12 U	1.0	ug/L							
Methyl parathion	0.11 U	1.0	ug/L							
Phorate	0.10 U	1.0	ug/L							
Surrogate: Triphenyl phosphate	*0.70*		*ug/L*	*1.00*		*70*	*49-128*			
Surrogate: Tributyl Phosphate	*0.61*		*ug/L*	*1.00*		*61*	*18-137*			
LCS (7D11016-BS1)				Prepared: 04/11/2007 12:02 Analyzed: 04/18/2007 16:33						
Dimethoate	1.1	1.0	ug/L	1.00		114	0-200			
Surrogate: Triphenyl phosphate	*1.1*		*ug/L*	*1.00*		*112*	*49-128*			
Surrogate: Tributyl Phosphate	*0.88*		*ug/L*	*1.00*		*88*	*18-137*			
Matrix Spike (7D11016-MS1)		**Source: B703189-01**		Prepared: 04/11/2007 12:02 Analyzed: 04/18/2007 17:35						
Dimethoate	1.3	1.0	ug/L	1.00	0.13 U	133	0-200			
Surrogate: Triphenyl phosphate	*1.3*		*ug/L*	*1.00*		*127*	*49-128*			
Surrogate: Tributyl Phosphate	*1.0*		*ug/L*	*1.00*		*101*	*18-137*			
Matrix Spike Dup (7D11016-MSD1)		**Source: B703189-01**		Prepared: 04/11/2007 12:02 Analyzed: 04/18/2007 18:37						
Dimethoate	1.4	1.0	ug/L	1.00	0.13 U	135	0-200	1	200	
Surrogate: Triphenyl phosphate	*1.3*		*ug/L*	*1.00*		*131*	*49-128*			S-04
Surrogate: Tributyl Phosphate	*1.0*		*ug/L*	*1.00*		*100*	*18-137*			

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NOTES AND DEFINITIONS

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8141A Appendix 2	Water	NELAC	E83182

Columbia Analytical Services, Inc. Chain of Custody

8540 Baycenter Rd • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

CAS Contact: Craig Myers

Project Number: J0701623
Project Manager: Craig Myers

PEST_OP 8141A

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	
J0701623-001	49560	3	Water	04/05/07	1130	~~Week Labs~~ ENCO	II
J0701623-002	49561	1	Water	04/05/07	1348	~~Week Labs~~ ENCO	II
J0701623-003	49562	1	Water	04/05/07	1527	~~Week Labs~~ ENCO	II

Test Comments
PEST_OP-8141A J0701623-001,2,3 Send ENCO fax
Report Appendix II List

B703189

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
PLEASE SEND RESULTS TO MANDY SULLIVAN	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___ STANDARD Requested FAX Date ___ Requested Report Date: 04/23/07	___ I. Results Only ___ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD N	PO# J0701623 Bill to

Relinquished By [signature] 4-9-07 Received By: [signature] 4/9/07 1330 Airbill Number:

Page:

The total number of pages in this report, including this page is 1.

Columbia Analytical Services inc.
An Employee-Owned Company

Columbia Analytical Services
8540 Baycenter Road
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix B

Subcontracted Analytical Results

10655 Richmond Avenue Suite 130 A Houston, TX 77042 (713) 266-1599 (713) 266-0130 fax

Columbia Analytical Services INC.
An Employee - Owned Company

May 9, 2007

Mandy Sullivan
Columbia Analytical Services, Inc
8540 Baycenter Rd,
Jacksonville, FL 32256

CAS/Houston SR: *J0701623*
Project: *Appendix II*

Dear Mandy,

Enclosed are the results of the sample(s) submitted to our laboratory on April 10, 2007 and April 25, 2007. For your reference, these analyses have been assigned our service request number J0701623.

All analyses were performed according to our laboratory's quality assurance program. The test results meet the requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 23. You may also contact me via email at jfreemyer@houston.caslab.com.

Respectfully submitted,
COLUMBIA ANALYTICAL SERVICES, INC

Jane Freemyer

Jane Freemyer
Project Manager

Columbia Analytical Services INC.
An Employee - Owned Company

Dioxin/Furan

Analytical Report

10655 Richmond Avenue, Suite 130-A, Houston, TX 77042
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

COLUMBIA ANALYTICAL SERVICES, INC

Client:	Sun Labs, Inc.	**Service Request No.:**	J0701623
Project:	Appendix II (TCDD only)	**Date Received:**	04/10 & 04/25/07
Sample Matrix:	Aqueous		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Three aqueous samples were received for analysis at Columbia Analytical Services on 04/10/07. CAS-Houston added the incorrect concentration of labeled standard when extracting the samples. Replacement samples were requested for re-extraction. Only one sample, 49560, was available for replacement, and that sample was received for analysis at Columbia Analytical Services on 04/25/07.

For samples, 49561 and 49562, the chemist calculated the results based on a 100-pg theoretical spike concentration, which was the concentration of labeled standards originally mis-spiked into the samples. We received approval from the client to perform and report these calculations for 49561 and 49562.

The samples were received at 0°C in good condition on 04/10/07 and were consistent with the accompanying chain of custody form. The replacement sample 49560 was received at 1°C on 04/25/07. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

MS/MSD

EB29067 & EB29080: Laboratory Control Spike (LCS) samples were analyzed and evaluated for this extraction batch. The batch quality control criteria were met. The LCS results are not included in this report.

MRL

Samples 49560, 49561, and 49562 showed recoveries of labeled standards outside the acceptance criteria. Replacement samples were requested in order to perform a re-extraction. Due to availability, only sample 49560 was sent as a replacement. Sample 49560 was re-extracted. The sample was extracted using a smaller sample aliquot. The client requested that the calculation of samples 49561 and 49562 be performed based on the adjusted theoretical concentration of labeled standards.

Approved by Xiangqiu Liang Date 5/10/07

Xiangqiu Liang, Laboratory Director

Detection Limits

Detection limits are calculated for each congener in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

Approved by Xiangqiu Liang Date 5/10/07

Xiangqiu Liang, Laboratory Director

Client: SunLabs, Inc.
Project: Appendix II/070406.04

Service Request: J0701623

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J0701623-001	49560 MW-12	04/05/07	11:30
J0701623-002	49561 MW-11	04/05/07	13:48
J0701623-003	49562 MW-10	04/05/07	15:27

Method 8290/Dioxin & Furan (TCDD & TCDF)
Method Reporting Limits

Congener	Abbreviation	CAS RN	Water (pg/L, ppq)	Soil/Tissue (ng/Kg, ppt)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	TCDD	1746-01-6	10	1.0
2,3,7,8-Tetrachlorodibenzofuran	TCDF	51207-31-9	10	1.0

NOTE: Soil samples are reported on a dry-weight basis and tissue samples are reported on a wet-weight basis.

Data Qualifier Flags

- ❖ **B** Used when an associated analyte is found in the method blank, as well as in the sample
- ❖ **C** Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package. The results from the DB-225 analyses should be used to evaluate the 2378-TCDF in the samples. The confirmed result should be used in determining the TEQ value for TCDF. The samples requiring confirmation are indicated in the table above.
- ❖ **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range
- ❖ **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the detection limit (DL)
- ❖ **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.
- ❖ **U** Indicates the compound was analyzed and not detected.
- ❖ **X** User defined; see case narrative for detailed explanation
- ❖ **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y' flags on the Form 2s. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.
- ❖ ***** Indicates concentration is reported as 'Not Detected'
- ❖ **S** Peak is saturated; data not reportable
- ❖ **Q** Lock-mass interference by ether compounds

CAS/HOU - Form Production, Peer Review & Project Review Signatures

SR# Unique ID J0701623

First Level - Data Processing - to be filled by person generating the forms

Date	04/24/07	Person 1	JB (002,003)
Date	5/2/07	Person 2	

Second Level - Data Review – to be filled by person doing peer review

Date	4/24/07	Primary Data Reviewer	QB (002, 003)
Date	5/3/07	Secondary Data Reviewer	

Project Level - Review - to be filled by person doing project compliance review

Date	5/8/7	Reviewer	

CAS, INC.
2378-TCDD ANALYSIS DATA SHEET
Use for Sample and Blank Results

CLIENT ID

METHOD BLANK

Lab Name: Columbia Analytical Services   Episode No.:

Client Name: Lab Sample ID: EB29067-MB

Matrix (aqueous/solid/leachate): aqueous   Sample Wt/Vol: 1000 g or mL: mL

Sample Receipt Date: Initial Calibration Date: 04/02/07

Ext. Date: 04/16/07   Instrument ID: Autospec Ultima

Analysis Date: 18-APR-07 Time: 12:59:06   GC Column ID: DB-5

Extract Volume (ul): 20.0   Sample Data Filename: U120387

Injection Volume (ul): 1.0   Blank Data Filename: U120387

Dilution Factor: 1   Cal. Ver. Data Filename: U120385

Concentration Units (pg/L or ng/Kg dry weight): pg/L   % Moisture:

ANALYTE	CONCENTRATION FOUND(1)	DETECTION LIMIT	Q	ION ABUND. RATIO	RRT
2,3,7,8-TCDD	*	0.4740	U	*	*

INT. STANDARD	SPIKE CONCENT.(pg)	CONCENT. FOUND(pg)	RECOV. %	ION ABUND. RATIO	RRT
13C-2,3,7,8-TCDD	1000	1022.50	102.25	0.80	1.01
CLEANUP STANDARD					
37Cl-2,3,7,8-TCDD	800	917.49	114.69		1.01

(1)'*' indicates non-detected.

TCDDF1E

USEPA, ITD

CAS, INC.
2378-TCDD ANALYSIS DATA SHEET
Use for Sample and Blank Results

CLIENT ID

METHOD BLANK

Lab Name: Columbia Analytical Services

Episode No.:

Client Name:

Lab Sample ID: EB29080-MB

Matrix (aqueous/solid/leachate): aqueous

Sample Wt/Vol: 1000 g or mL: mL

Sample Receipt Date:

Initial Calibration Date: 04/02/07

Ext. Date: 04/27/07

Instrument ID: Autospec Ultima

Analysis Date: 1-MAY-07 Time: 18:53:30

GC Column ID: db5

Extract Volume (ul): 20.0

Sample Data Filename: U120529

Injection Volume (ul): 1.0

Blank Data Filename: U120529

Dilution Factor: 1

Cal. Ver. Data Filename: U120527

Concentration Units (pg/L or ng/Kg dry weight): pg/L

% Moisture:

ANALYTE	CONCENTRATION FOUND (1)	DETECTION LIMIT	Q	ION ABUND. RATIO	RRT
2,3,7,8-TCDD	*	0.2523	U	*	*

INT. STANDARD	SPIKE CONCENT. (pg)	CONCENT. FOUND (pg)	RECOV. %	ION ABUND. RATIO	RRT
13C-2,3,7,8-TCDD	1000	886.81	88.68	0.77	1.01
CLEANUP STANDARD					
37Cl-2,3,7,8-TCDD	800	820.25	102.53		1.01

(1) '*' indicates non-detected.

TCDDF1E

CAS, INC.
2378-TCDD ANALYSIS DATA SHEET
Use for Sample and Blank Results

CLIENT ID
49560

Lab Name: Columbia Analytical Services   Episode No.:

Client Name: SUN LAB, INC.   Lab Sample ID: J0701623-001RE

Matrix (aqueous/solid/leachate): aqueous   Sample Wt/Vol: 360 g or mL: mL

Sample Receipt Date: 04/25/07   Initial Calibration Date: 04/02/07

Ext. Date: 04/27/07   Instrument ID: Autospec Ultima

Analysis Date: 1-MAY-07 Time: 21:18:20   GC Column ID: db5

Extract Volume (ul): 20.0   Sample Data Filename: U120532

Injection Volume (ul): 1.0   Blank Data Filename: U120529

Dilution Factor: 1   Cal. Ver. Data Filename: U120527

Concentration Units (pg/L or ng/Kg dry weight): pg/L   % Moisture:

ANALYTE	CONCENTRATION FOUND(1)	DETECTION LIMIT	Q	ION ABUND. RATIO	RRT
2,3,7,8-TCDD	*	0.9802	U	*	*

INT. STANDARD	SPIKE CONCENT.(pg)	CONCENT. FOUND(pg)	RECOV. %	ION ABUND. RATIO	RRT
13C-2,3,7,8-TCDD	1000	904.82	90.48	0.77	1.01
CLEANUP STANDARD					
37Cl-2,3,7,8-TCDD	800	827.39	103.42		1.01

(1)'*' indicates non-detected.

TCDDF1E

CAS, INC.
2378-TCDD ANALYSIS DATA SHEET
Use for Sample and Blank Results

CLIENT ID
49561

Lab Name: Columbia Analytical Services   Episode No.:

Client Name: SUNLABS, INC.   Lab Sample ID: J0701623-002

Matrix (aqueous/solid/leachate): aqueous   Sample Wt/Vol: 1010 g or mL: mL

Sample Receipt Date: 04/10/07   Initial Calibration Date: 04/02/07

Ext. Date: 04/16/07   Instrument ID: Autospec Ultima

Analysis Date: 18-APR-07 Time: 13:44:32   GC Column ID: DB-5

Extract Volume (ul): 20.0   Sample Data Filename: U120388

Injection Volume (ul): 1.0   Blank Data Filename: U120387

Dilution Factor: 1   Cal. Ver. Data Filename: U120385

Concentration Units (pg/L or ng/Kg dry weight): pg/L   % Moisture:

ANALYTE	CONCENTRATION FOUND (1)	DETECTION LIMIT	Q	ION ABUND. RATIO	RRT
2,3,7,8-TCDD	*	0.3222	U	*	*

INT. STANDARD	SPIKE CONCENT. (pg)	CONCENT. FOUND (pg)	RECOV. %	ION ABUND. RATIO	RRT
13C-2,3,7,8-TCDD	100	101.02	101.02	0.74	1.01
CLEANUP STANDARD					
37Cl-2,3,7,8-TCDD	800	889.08	111.13		1.01

(1) '*' indicates non-detected.

TCDDF1E

CAS, INC.
2378-TCDD ANALYSIS DATA SHEET
Use for Sample and Blank Results

CLIENT ID
49562

Lab Name: Columbia Analytical Services Episode No.:

Client Name: SUNLABS, INC. Lab Sample ID: J0701623-003

Matrix (aqueous/solid/leachate): aqueous Sample Wt/Vol: 980 g or mL: mL

Sample Receipt Date: 04/10/07 Initial Calibration Date: 04/02/07

Ext. Date: 04/16/07 Instrument ID: Autospec Ultima

Analysis Date: 18-APR-07 Time: 14:32:34 GC Column ID: DB-5

Extract Volume (ul): 20.0 Sample Data Filename: U120389

Injection Volume (ul): 1.0 Blank Data Filename: U120387

Dilution Factor: 1 Cal. Ver. Data Filename: U120385

Concentration Units (pg/L or ng/Kg dry weight): pg/L % Moisture:

ANALYTE	CONCENTRATION FOUND (1)	DETECTION LIMIT	Q	ION ABUND. RATIO	RRT
2,3,7,8-TCDD	*	0.6456	U	*	*

INT. STANDARD	SPIKE CONCENT. (pg)	CONCENT. FOUND (pg)	RECOV. %	ION ABUND. RATIO	RRT
13C-2,3,7,8-TCDD	100	76.50	76.50	0.77	1.01
CLEANUP STANDARD					
37Cl-2,3,7,8-TCDD	800	820.66	102.58		1.01

(1) '*' indicates non-detected.

TCDDF1E

Columbia Analytical Services INC.

An Employee - Owned Company

Chain-of-custody

10655 Richmond Avenue, Suite 130-A, Houston, TX 77042
Phone (713)266-1599 Fax (713)266-0130
www.caslab.com

Intra-Network Chain of Custody

8540 Baycenter Rd. • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

CAS Contact: Craig Myers

Project Name: Appendix II
Project Number: 070406.04
Project Manager: Mike Palmer
Company: SunLabs, Inc.

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PCDD PCDF 8290
J0701623-001	49560 MW-12	3	Water	04/05/07	1130	04/07/07	HOUSTON	II
J0701623-002	49561 MW-11	1	Water	04/05/07	1348	04/07/07	HOUSTON	II
J0701623-003	49562 MW-10	1	Water	04/05/07	1527	04/07/07	HOUSTON	II

Test Comments
PCDD-PCDF - 8290 J0701623-001,2,3 Report 2,3,7,8-TCDD Only

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
PLEASE SEND RESULTS TO MANDY SULLIVAN	___RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___STANDARD Requested FAX Date: ___ Requested Report Date: 04/25/07	___I. Results Only ___II. Results + QC Summaries ___III. Results + QC and Calibration Summaries ___IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD N	PO# J0701623 Bill to

88

Relinquished By: Shawn [illegible] 4-9-07
Received By: [signature] 4/10/07 10:30 0°C
Airbill Number:

Intra-Network Chain of Custody

8540 Baycenter Rd. • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

CAS Contact: Craig Myers

Project Name: Appendix II
Project Number: 070406.04
Project Manager: Mike Palmer
Company: SunLabs, Inc.

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Date Received	Send To	PCDD PCDF 8290
J0701623-001	49560	3	Water	04/05/07	1130	04/07/07	HOUSTON	II
J0701623-002	49561	1	Water	04/05/07	1348	04/07/07	HOUSTON	II
J0701623-003	49562	1	Water	04/05/07	1527	04/07/07	HOUSTON	II

Replacement container for re-extraction only 1 jar sent

Test Comments
PCDD PCDF - 8290 J0701623-001,2,3 Report 2,3,7,8-TCDD Only

16 of 21

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
PLEASE SEND RESULTS TO MANDY SULLIVAN	___ RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ___ STANDARD Requested FAX Date: ___ Requested Report Date: 04/25/07	___ I. Results Only ___ II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD N	PO# J0701623 Bill to

89

Relinquished By: Shawn Lyttey 4-9-07 Received By: [signature] 4/25/07 15:00 10°, Airbill Number:

Service Request Summary

Folder #:	J0701623	Project Chemist:	Jane Freemyer
Client Name:	SunLabs, Inc.	Originating Lab:	JAX
Project Name:	Appendix II	Logged By:	SLIGHTSEY
Project Number:	070406.04	Date Received:	04/07/2007
Report To:	Mike Palmer SunLabs, Inc. 5460 Beaumont Center Boulevard Tampa, FL 33634	Internal Due Date:	04/25/2007
		QAPP:	LAB QAP
		Qualifier Set:	Florida-DEP
		Formset:	CAS Standard
Phone Number:	813-881-9401	Merged?:	Y
Cell Number:		Report to MDL?:	Y
Fax Number:	813-354-4661	P.O. Number:	07-1136
E-mail:	mpalmer@sunlabsinc.com	EDD:	No EDD Specified

20 - 1000 mL-Glass Bottle WM AMBER Teflon Liner Unprese
9 - 40 ml-Glass Vial VOA CLEAR Tef/Silicone Septa HCl.
3 - 500 ml-Plastic Bottle WM CLEAR H2SO4
3 - 500 ml-Plastic Bottle WM CLEAR NaOH
3 - 500 mL-Plastic Bottle NM NaOH,ZincAcetat

Location: J-006-Q2, E-WIC01, SUBBED, J-008-B, J-007-B5

				JAX			JAX	JAX	JAX	SVM	Weck Labs
CAS Samp No.	Client Samp No.	Matrix	Collected	Ammonia/ 350.1	CN/ 335.4	Sulfide/ 376.1	PEST_OC/ 8081A	SVO/ 8270C	VOC_FP/ 8260B	PCDD PCDF/ 8290	PEST_OP/ 8141A
J0701623-001	49560	Water	4/5/07 1130	II	II	II	II	II	II	II	II
J0701623-002	49561	Water	4/5/07 1348	II	II	II	II	II	II	II	II
J0701623-003	49562	Water	4/5/07 1527	II	II	II	II	II	II	II	II

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Test Comments:

Group	Test/Method	Samples	Comments
Semivoa GCMS	PCDD PCDF/8290	1-3	Report 2,3,7,8-TCDD Only
Semivoa GCMS	SVO/8270C	1-3	Report Appendix II List
SubLab	PEST_OP/8141A	1-3	Send ENCO Jax Report Appendix II List
VolatileOrganic	VOC_FP/8260B	1-3	Report Appendix II List

1K 4/10/7

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Columbia Analytical Services Inc.
Cooler Receipt And Preservation Form

Project/Client: Appendix II/SunLabs, Inc. Work Order: J0701623

Cooler received on 04/07/2007 and opened on 4/10/07 by [signature] 10:30

1.	Were custody seals on outside of cooler?	Y N
2.	Were seals intact and signature & date correct?	NA Y N
3.	Is the shipper's airbill available and filed?	Y N
4.	COC #	
5.	Were custody papers properly filled out (ink, signed, etc.)?	NA Y N
6.	Type of packing material present	
7.	Did all bottles arrive in good condition (unbroken)?	NA Y N
8.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	NA Y N
9.	Did all bottle labels and tags agree with custody papers?	NA Y N
10.	Were the correct types of bottles used for the tests indicated?	NA Y N
11.	Were all of the preserved bottles received at the lab with the appropriate pH?	NA Y N
12.	Were VOA vials checked for absence of air bubbles, and if present, noted below?	NA Y N
13.	Did the bottles originate from CAS/J or a branch laboratory?	Y N
14.	Are CWA Microbiology samples received with >½ the 24 hr. hold time remaining from collection?	NA Y N
15.	Was Cl2/Res negative?	NA Y N

Lab Code	Sample Name
J0701623-001	49560

40ml-Glass Vial CLEAR Tef/Silicone Septa(HCL)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Temp deg C	pH Check	Rec HS	Seal Intact?	Corrective Action
J0701623-001.01 (Test List: 8260B)		ZERC	<2	2 - 6						
J0701623-001.02 (Test List: 8260B)		ZERC	<2	2 - 6						
J0701623-001.03 (Test List: 8260B)		ZERC	<2	2 - 6						

500ml-Plastic Bottle WM CLEAR (H2SO4)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Temp deg C	pH Check	Rec HS	Seal Intact?	Corrective Action
J0701623-001.05 (Test List: 350.1)		NA	<2	2 - 6				NA		

500ml-Plastic Bottle WM CLEAR (NaOH)

Bottle ID	Barcode	Expected Conditions HS	pH	Temp	Cooler #	Received Conditions Temp deg C	pH Check	Rec HS	Seal Intact?	Corrective Action
J0701623-001.04 (Test List: 335.4)		NA		-				NA		

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No	Project ID	Lab ID	Client ID	Sample Size mL	Tare Vial	Tare & Wet Sample	Tare & Dry Sample	Calculated Percent Solid	Calculated Percent Moisture	Dry Weight	Sample Description
MB		EB29067-MB	Method Blank	1000							
LCS		EB29067-LCS	Lab Control Spike	1000							
LCSD											
1	E0700313	E0700313-001	07039172-1	900							Colorless, clear liquid
2	E0700313	E0700313-002	07039172-2	810							Light tan, cloudy liquid
3	E0700324	E0700324-011	1000953	1060							Colorless, clear liquid
4	E0700330	E0700330-001	MW-4	950							Colorless, clear liquid
5	E0700330	E0700330-002	MW-7	970							Colorless, clear liquid
6	E0700330	E0700330-003	MW-8	940							Orange, cloudy liquid
7	E0700330	E0700330-004	MW-9	1010							Colorless, clear liquid
8	E0700330	E0700330-005	MW-10	1070							Colorless, clear liquid
9	E0700330	E0700330-006	MW-11	960							Slightly gold, clear liquid
10	J0701623	J0701623-001	49560	975							Colorless, clear liquid
13	J0701623	J0701623-002	49561	1010							Colorless, clear liquid
14	J0701623	J0701623-003	49562	980							Light orange, cloudy liquid
15	K0702847	K0702847-007	Field Blank	1050							Colorless, clear liquid
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

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SODIUM SULFATE C1-119-005
ACETONE C1-87-2
TOLUENE C1-119-002
GLASS WOOL C1-110-2
DICHLOROMETHANE C1-119-003
ETHYL ACETATE C1-114-002
HEXANE C1-119-001

SAND C1-99-1
TRIDECANE C1-120-001
SULFURIC ACID C1-118-002
SODIUM HYDROXIDE C1-102-005
CARBON C1-120-005
SILICA GEL C1-118-004
NONANE C1-117-002

Standard:	Internal	Matrix
Solution ID:	D8-77-1A	D8-58-4A
Volume:	100 uL	100 uL
Spiker:	SM	SM
Witness:	DB	DB
Date:	04/16/07	04/16/07
Standard:	Cleanup	Recovery
Solution ID:	D8-73-3A/B	D8-33-3A
Volume:	100 uL	20uL
Spiker:	CID	
Witness:	SM	
Date:	04/17/07	

EXTRACTION START: 04/16/07
EXTRACTION END: 04/16/07
EXTRACTION TECHNIQUE: Sep Funnel

TIME STARTED: 1200
TIME FINISHED: 1600

EXTRACTS RECEIVED BY DF for XL

DATE RECEIVED 04/18/07

Columbia Analytical Services, INC.

EB29067 8290

Sulfuric Acid Cleanup: 04/17/07
Silica Gel/Carbon Column: 04/17/07

No	Project ID	Lab ID	Client ID	Sample Size mL	Tare Vial	Tare & Wet Sample	Tare & Dry Sample	Calculated Percent Solid	Calculated Percent Moisture	Dry Weight	Sample Description
MB		EB29080-MB	Method Blank	1000							
LCS		EB29080-LCS	Lab Control Spike	1000							
1	E0700313	E0700313-001	07039172-1	850							Slightly yellow, clear liquid
2	E0700313	E0700313-002	07039172-2	840							Light brown, cloudy liquid
3	E0700358	E0700358-001	07043444-1	995							Colorless, clear liquid
4	E0700358	E0700358-003	07043444-3	1045							Colorless, clear liquid
5	E0700358	E0700358-005	07043445-1	1035							Colorless, clear liquid
6	E0700358	E0700358-006	07043447-1	1030							Colorless, clear liquid
7	E0700358	E0700358-007	07043447-2	1035							Colorless, clear liquid
8	E0700358	E0700358-008	07043447-3	1010							Colorless, clear liquid
9	E0700358	E0700358-009	07043447-4	1015							Colorless, clear liquid
10	E0700366	E0700366-001	MW24E13	1050							Colorless, clear liquid
11	E0700366	E0700366-001MS	MW24E13 MS	505							Colorless, clear liquid
12	E0700366	E0700366-001DMS	MW24E13 DMS	510							Colorless, clear liquid
13	J0701623	J0701623-001 RE	49560	360							Slightly yellow, clear liquid
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

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SODIUM SULFATE C1-119-005
ACETONE C1-87-2
TOLUENE C1-119-002
GLASS WOOL C1-110-2
DICHLOROMETHANE C1-119-003
ETHYL ACETATE C1-114-002
HEXANE C1-121-001

SAND C1-99-1
TRIDECANE C1-120-001
SULFURIC ACID C1-118-002
SODIUM HYDROXIDE C1-102-005
CARBON C1-120-005
SILICA GEL C1-118-004
NONANE C1-117-002

Standard:	Internal	Matrix
Solution ID:	D8-78-1A	D8-58-4A
Volume:	100 uL	100 uL
Spiker:	DB	DB
Witness:	SM	SM
Date:	04/27/07	04/27/07
Standard:	Cleanup	Recovery
Solution ID:	D8-78-2A/B	D8-33-3A
Volume:	100 uL	20 uL
Spiker:	CID	
Witness:	JB	
Date:	04/30/07	

EXTRACTION START: 4/27/07
EXTRACTION END: 4/27/07
EXTRACTION TECHNIQUE: Sep Funnel

TIME STARTED: 1200
TIME FINISHED: 1600

EXTRACTS RECEIVED BY DE for XL

DATE RECEIVED 5/1/07

Columbia Analytical Services, INC.

EB29080 8290 Prep Run: 47962

Sulfuric Acid Cleanup: 4/30/07
Silica Gel/Carbon Column: 5/1/07

Columbia Analytical Services, Inc.

Nonconformity and Corrective Action Report

NONCONFORMITY

N&CA Report No. J0701623

PROCEDURE (SOP or METHOD): 8290 EVENT DATE: 04/19/07

EVENT: ☐ Missed Holding Time ☑ QC Failure ☐ Lab Error (spilled sample, spiking error, etc.)
☐ Method Blank Contamination ☐ Login Error ☐ Project Management Error
☐ Equipment Failure ☐ Unacceptable PT Sample Result ☐ Other (describe):

SAMPLES / PROJECTS / CUSTOMERS / SYSTEMS AFFECTED
Sun Labs, Inc

	Sample ID
J0701623-001	49560
-002	49561
-003	49562

DETAILED DESCRIPTION Low Internal standard recovery

ORIGINATOR: [signature] DATE: 04/19/07

~~PROJECT CHEMIST~~(s): ______ N~~OTIFIED BY~~: ______ D~~ATE~~: ______

CORRECTIVE ACTION AND OUTCOME

Re-establishment of conformity must be demonstrated and documented. Describe the steps that were taken, or are planned to be taken, to correct the particular Nonconformity and prevent its reoccurrence. Include Project Chemist instructions here.

Re-extract original sample amount
Request replacement samples (3)
Only 1 sample available for RE -001 (received by CAS-Hou on 4/25/7
Client requested calculation of -002 + -003 based on adjusted theoretical concentration.

Is the data to be flagged in the Analytical Report with an appropriate qualifier? ☐ No ☑ Yes RE suffix

APPROVAL AND NOTIFICATION

Supervisor Verification and Approval of Corrective Action JC Date: 5/8/07
Comments:

QA PM Verification and Approval of Corrective Action JF Date: 4/19/7
Comments:

Customer Notified by ☐ Telephone ☐ Fax ☐ E-mail ☑ Narrative ☐ Not notified
Project Chemist Verification and Approval of Corrective Action JF Date: 5/8/7
Comments: (Retain record)

Original: Customer File Photocopies: Supervisor and QA PM N&CA Report 2004.doc 3/26/2004

May 11, 2007

Donna Cline
Nodarse & Associates, Inc.
504 East Tyler Street
Tampa, FL 33602

Re: SunLabs Project Number: **070406.04**
Client Project Description: **Hardee County Landfill**

Dear Ms. Cline:

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected
49560	MW-12	04/05/07
49561	MW-11	04/05/07
49562	MW-10	04/05/07

Copies of the Chain(s)-of-Custody, if received, are attached to this report.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Sincerely,

Michael W. Palmer
Vice President, Laboratory Operations

Enclosures

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
Tampa, Florida 33634

Phone: 813-881-9401
Fax: 813-354-4661
Email: Info@SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number
070406.04

Nodarse & Associates, Inc.

Project Description

Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49560**
Sample Designation **MW-12**

Matrix: Groundwater
Date Collected: 04/05/07 11:30
Date Received: 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		4/6/07						04/06/07 16:30
Date Analyzed	8151		4/12/07	1				04/12/07 23:09	
Surrogate (D-131)	8151	%	52	1		1		04/12/07 23:09	04/06/07 16:30
Dicamba	8151	ug/L	0.34 U	1	0.34	1.36	1918-00-9	04/12/07 23:09	04/06/07 16:30
MCPP	8151	ug/L	0.40 U	1	0.40	1.60	93-65-2	04/12/07 23:09	04/06/07 16:30
MCPA	8151	ug/L	0.35 U	1	0.35	1.40	94-76-6	04/12/07 23:09	04/06/07 16:30
Dichloroprop	8151	ug/L	0.40 U	1	0.40	1.60	120-36-5	04/12/07 23:09	04/06/07 16:30
2,4-D	8151	ug/L	0.45 U	1	0.45	1.80	94-75-7	04/12/07 23:09	04/06/07 16:30
Silvex	8151	ug/L	0.44 U	1	0.44	1.76	93-72-1	04/12/07 23:09	04/06/07 16:30
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	04/12/07 23:09	04/06/07 16:30
2,4-DB	8151	ug/L	0.20 U	1	0.20	0.80	94-82-6	04/12/07 23:09	04/06/07 16:30
Anions by Ion Chromatography									
Date Analyzed			4/7/07 S3	1				04/07/07 02:00	
Chloride	300.0	mg/L	4.3	1	0.1	0.180		04/07/07 02:00	
Nitrate-N	300.0	mg/L	0.24	1	0.002	0.056		04/07/07 02:00	
EDB and DBCP									
Date Extracted	504.1		4/11/07						04/11/07 10:00
1,2-Dibromoethane (EDB)	504.1	mg/L	0.00002 U	1	0.00002	0.00008	106-93-4	04/16/07 14:01	04/11/07 10:00
Dibromochloropropane	504.1	mg/L	0.000005 U	1	0.000005	0.00002	96-12-8	04/16/07 14:01	04/11/07 10:00
Metals by EPA Method 6010									
Date Digested	3010		4/9/2007						04/09/07 08:00
Antimony	6010	mg/L	0.006 0.0067 U	1	0.0067	0.027	7440-36-0	04/11/07 11:44	04/09/07 08:00
Arsenic	6010	mg/L	0.0048 U	1	0.0048	0.019	7440-38-2	04/10/07 14:57	04/09/07 08:00
Barium	6010	mg/L	0.010	1	0.001	0.004	7440-39-3	04/10/07 14:57	04/09/07 08:00
Beryllium	6010	mg/L	0.004 0.0044 U	1	0.0044	0.0176	7440-41-7	04/11/07 11:44	04/09/07 08:00
Cadmium	6010	mg/L	0.0006 U	1	0.0006	0.0024	7440-43-9	04/10/07 14:57	04/09/07 08:00
Chromium	6010	mg/L	0.0035 U	1	0.0035	0.014	7440-47-3	04/10/07 14:57	04/09/07 08:00
Cobalt	6010	mg/L	0.0012 U	1	0.0012	0.0048	7440-48-4	04/11/07 13:07	04/09/07 08:00
Copper	6010	mg/L	0.0019 U	1	0.0019	0.0076	7440-50-8	04/11/07 11:44	04/09/07 08:00
Lead	6010	mg/L	0.0044 U	1	0.0044	0.018	7439-92-1	04/10/07 14:57	04/09/07 08:00
Nickel	6010	mg/L	0.0025 U	1	0.0025	0.01	7440-02-0	04/11/07 11:44	04/09/07 08:00
Selenium	6010	mg/L	0.0047 U	1	0.0047	0.019	7782-49-2	04/10/07 14:57	04/09/07 08:00
Silver	6010	mg/L	0.0033 U	1	0.0033	0.013	7440-22-4	04/10/07 14:57	04/09/07 08:00
Thallium	6010	mg/L	0.002 0.0027 U	1	0.0027	0.011	7440-28-0	04/11/07 11:44	04/09/07 08:00
Tin	6010	mg/L	0.0029 U	1	0.0029	0.012	7440-31-5	04/11/07 14:33	04/09/07 08:00
Vanadium	6010	mg/L	0.0076 I	1	0.0022	0.0088	7440-62-2	04/11/07 13:07	04/09/07 08:00
Zinc	6010	mg/L	0.0033 I	1	0.0029	0.012	7440-66-6	04/11/07 11:44	04/09/07 08:00
Polychlorinated Biphenyls by EPA Method 8082									
Date Extracted	3510		4/12/07						04/12/07 18:45
Date Analyzed	8082		4/19/07	1				04/19/07 00:21	

Laboratory ID Number - E84809

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
Tampa, Florida 33634

Phone: 813-881-9401
Fax: 813-354-4661
Email: Info@SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number
070406.04

Nodarse & Associates, Inc.

Project Description
Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49560**
Sample Designation **MW-12**

Matrix Groundwater
Date Collected 04/05/07 11:30
Date Received 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Polychlorinated Biphenyls by EPA Method 8082									
Surrogate	8082	%	57	1		1.0		04/19/07 00:21	04/12/07 18:45
PCB 1016	8082	ug/L	0.3 U	1	0.3	0.5	12674-11-2	04/19/07 00:21	04/12/07 18:45
PCB 1221	8082	ug/L	0.3 U	1	0.3	0.5	11104-28-2	04/19/07 00:21	04/12/07 18:45
PCB 1232	8082	ug/L	0.2 U	1	0.2	0.5	11141-16-5	04/19/07 00:21	04/12/07 18:45
PCB 1242	8082	ug/L	0.3 U	1	0.3	0.5	53469-21-9	04/19/07 00:21	04/12/07 18:45
PCB 1248	8082	ug/L	0.2 U	1	0.2	0.5	12672-29-6	04/19/07 00:21	04/12/07 18:45
PCB 1254	8082	ug/L	0.4 U	1	0.4	0.5	11097-69-1	04/19/07 00:21	04/12/07 18:45
PCB 1260	8082	ug/L	0.2 U	1	0.2	0.5	11096-82-5	04/19/07 00:21	04/12/07 18:45
Mercury									
Date Digested	7470		4/9/2007						04/09/07 08:45
Date Analyzed	7470		4/10/2007	1				04/10/07 13:54	
Mercury	7470	mg/L	0.0002 U	1	0.0002	0.0008	7439-97-6	04/10/07 13:54	04/09/07 08:45
Total Dissolved Solids									
Date Analyzed			4/11/07 S3	1				04/11/07 18:47	04/07/07 09:00
Total Dissolved Solids	160.1	mg/L	78	1	10	100		04/11/07 18:47	04/07/07 09:00

Laboratory ID Number - E84809

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
Tampa, Florida 33634

Phone: 813-881-9401
Fax: 813-354-4661
Email: Info@SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number	Nodarse & Associates, Inc.
070406.04	Project Description: Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49561**
Sample Designation **MW-11**

Matrix: Groundwater
Date Collected: 04/05/07 13:48
Date Received: 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		4/6/07						04/06/07 16:30
Date Analyzed	8151		4/12/07	1				04/12/07 23:30	
Surrogate (D-131)	8151	%	61	1		1		04/12/07 23:30	04/06/07 16:30
Dicamba	8151	ug/L	0.34 U	1	0.34	1.36	1918-00-9	04/12/07 23:30	04/06/07 16:30
MCPP	8151	ug/L	0.40 U	1	0.40	1.60	93-65-2	04/12/07 23:30	04/06/07 16:30
MCPA	8151	ug/L	0.35 U	1	0.35	1.40	94-76-6	04/12/07 23:30	04/06/07 16:30
Dichloroprop	8151	ug/L	0.40 U	1	0.40	1.60	120-36-5	04/12/07 23:30	04/06/07 16:30
2,4-D	8151	ug/L	0.45 U	1	0.45	1.80	94-75-7	04/12/07 23:30	04/06/07 16:30
Silvex	8151	ug/L	0.44 U	1	0.44	1.76	93-72-1	04/12/07 23:30	04/06/07 16:30
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	04/12/07 23:30	04/06/07 16:30
[illegible],4-DB	8151	ug/L	0.20 U	1	0.20	0.80	94-82-6	04/12/07 23:30	04/06/07 16:30
Anions by Ion Chromatography									
Date Analyzed			4/7/07 S3	1				04/07/07 02:17	
Chloride	300.0	mg/L	18	1	0.1	0.180		04/07/07 02:17	
Nitrate-N	300.0	mg/L	0.002 U	1	0.002	0.056		04/07/07 02:17	
EDB and DBCP									
Date Extracted	504.1		4/11/07						04/11/07 10:00
1,2-Dibromoethane (EDB)	504.1	mg/L	0.00002 U	1	0.00002	0.00008	106-93-4	04/16/07 14:17	04/11/07 10:00
Dibromochloropropane	504.1	mg/L	0.000005 U	1	0.000005	0.00002	96-12-8	04/16/07 14:17	04/11/07 10:00
Metals by EPA Method 6010									
Date Digested	3010		4/9/2007	1					04/09/07 08:00
Antimony	6010	mg/L	0.0067 U	1	0.0067	0.027	7440-36-0	04/11/07 11:48	04/09/07 08:00
Arsenic	6010	mg/L	0.0048 U	1	0.0048	0.019	7440-38-2	04/10/07 15:02	04/09/07 08:00
Barium	6010	mg/L	0.015	1	0.001	0.004	7440-39-3	04/10/07 15:02	04/09/07 08:00
Beryllium	6010	mg/L	0.0044 U	1	0.0044	0.0176	7440-41-7	04/11/07 11:48	04/09/07 08:00
Cadmium	6010	mg/L	0.0006 U	1	0.0006	0.0024	7440-43-9	04/10/07 15:02	04/09/07 08:00
Chromium	6010	mg/L	0.0035 U	1	0.0035	0.014	7440-47-3	04/10/07 15:02	04/09/07 08:00
Cobalt	6010	mg/L	0.0012 U	1	0.0012	0.0048	7440-48-4	04/11/07 13:09	04/09/07 08:00
Copper	6010	mg/L	0.0019 U	1	0.0019	0.0076	7440-50-8	04/11/07 11:48	04/09/07 08:00
Lead	6010	mg/L	0.0044 U	1	0.0044	0.018	7439-92-1	04/10/07 15:02	04/09/07 08:00
Nickel	6010	mg/L	0.0025 U	1	0.0025	0.01	7440-02-0	04/11/07 11:48	04/09/07 08:00
Selenium	6010	mg/L	0.0047 U	1	0.0047	0.019	7782-49-2	04/10/07 15:02	04/09/07 08:00
Silver	6010	mg/L	0.0033 U	1	0.0033	0.013	7440-22-4	04/10/07 15:02	04/09/07 08:00
Thallium	6010	mg/L	0.0027 U	1	0.0027	0.011	7440-28-0	04/11/07 11:48	04/09/07 08:00
Tin	6010	mg/L	0.0029 U	1	0.0029	0.012	7440-31-5	04/11/07 14:36	04/09/07 08:00
Vanadium	6010	mg/L	0.0022 U	1	0.0022	0.0088	7440-62-2	04/11/07 13:09	04/09/07 08:00
Zinc	6010	mg/L	0.0029 U	1	0.0029	0.012	7440-66-6	04/11/07 11:48	04/09/07 08:00
Polychlorinated Biphenyls by EPA Method 8082									
Date Extracted	3510		4/12/07						04/12/07 18:45
Date Analyzed	8082		4/19/07	1				04/19/07 00:37	

Laboratory ID Number - E84809

SunLabs, Inc.
5460 Beaumont Center Blvd., Suite 520
Tampa, Florida 33634

Phone: 813-881-9401
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Email: Info@SunLabsInc.com

Report of Laboratory Analysis

SunLabs Project Number	Nodarse & Associates, Inc.
070406.04	Project Description: Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49561** /
Sample Designation **MW-11**

Matrix: Groundwater
Date Collected: 04/05/07 13:48
Date Received: 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Polychlorinated Biphenyls by EPA Method 8082									
Surrogate	8082	%	59	1		1.0		04/19/07 00:37	04/12/07 18:45
PCB 1016	8082	ug/L	0.3 U	1	0.3	0.5	12674-11-2	04/19/07 00:37	04/12/07 18:45
PCB 1221	8082	ug/L	0.3 U	1	0.3	0.5	11104-28-2	04/19/07 00:37	04/12/07 18:45
PCB 1232	8082	ug/L	0.2 U	1	0.2	0.5	11141-16-5	04/19/07 00:37	04/12/07 18:45
PCB 1242	8082	ug/L	0.3 U	1	0.3	0.5	53469-21-9	04/19/07 00:37	04/12/07 18:45
PCB 1248	8082	ug/L	0.2 U	1	0.2	0.5	12672-29-6	04/19/07 00:37	04/12/07 18:45
PCB 1254	8082	ug/L	0.4 U	1	0.4	0.5	11097-69-1	04/19/07 00:37	04/12/07 18:45
PCB 1260	8082	ug/L	0.2 U	1	0.2	0.5	11096-82-5	04/19/07 00:37	04/12/07 18:45
Mercury									
Date Digested	7470		4/9/2007						04/09/07 08:45
Date Analyzed	7470		4/10/2007	1				04/10/07 13:54	
Mercury	7470	mg/L	0.0002 U	1	0.0002	0.0008	7439-97-6	04/10/07 13:54	04/09/07 08:45
Total Dissolved Solids									
Date Analyzed			4/7/07 S3	1				04/11/07 18:47	04/07/07 09:00
Total Dissolved Solids	160.1	mg/L	58	1	10	100		04/11/07 18:47	04/07/07 09:00

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
070406.04

Nodarse & Associates, Inc.

Project Description

Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49562**
Sample Designation **MW-10**

Matrix Groundwater
Date Collected 04/05/07 15:27
Date Received 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Chlorinated Herbicides by EPA Method 8151									
Date Extracted	8151		4/6/07						04/06/07 16:30
Date Analyzed	8151		4/12/07	1				04/12/07 23:51	
Surrogate (D-131)	8151	%	50	1		1		04/12/07 23:51	04/06/07 16:30
Dicamba	8151	ug/L	0.34 U	1	0.34	1.36	1918-00-9	04/12/07 23:51	04/06/07 16:30
MCPP	8151	ug/L	0.40 U	1	0.40	1.60	93-65-2	04/12/07 23:51	04/06/07 16:30
MCPA	8151	ug/L	0.35 U	1	0.35	1.40	94-76-6	04/12/07 23:51	04/06/07 16:30
Dichloroprop	8151	ug/L	0.40 U	1	0.40	1.60	120-36-5	04/12/07 23:51	04/06/07 16:30
2,4-D	8151	ug/L	0.45 U	1	0.45	1.80	94-75-7	04/12/07 23:51	04/06/07 16:30
Silvex	8151	ug/L	0.44 U	1	0.44	1.76	93-72-1	04/12/07 23:51	04/06/07 16:30
2,4,5-T	8151	ug/L	0.14 U	1	0.14	0.56	93-76-5	04/12/07 23:51	04/06/07 16:30
4-DB	8151	ug/L	0.20 U	1	0.20	0.80	94-82-6	04/12/07 23:51	04/06/07 16:30
Anions by Ion Chromatography									
Date Analyzed			4/7/07 S3	1				04/07/07 02:35	
Chloride	300.0	mg/L	11	1	0.1	0.180		04/07/07 02:35	
Nitrate-N	300.0	mg/L	0.002 U	1	0.002	0.056		04/07/07 02:35	
EDB and DBCP									
Date Extracted	504.1		4/11/07						04/11/07 10:00
1,2-Dibromoethane (EDB)	504.1	mg/L	0.00002 U	1	0.00002	0.00008	106-93-4	04/16/07 14:34	04/11/07 10:00
Dibromochloropropane	504.1	mg/L	0.000005 U	1	0.000005	0.00002	96-12-8	04/16/07 14:34	04/11/07 10:00
Metals by EPA Method 6010									
Date Digested	3010		4/9/2007						04/09/07 08:00
Antimony	6010	mg/L	0.0067 U	1	0.0067	0.027	7440-36-0	04/11/07 11:52	04/09/07 08:00
Arsenic	6010	mg/L	0.0048 U	1	0.0048	0.019	7440-38-2	04/10/07 15:07	04/09/07 08:00
Barium	6010	mg/L	0.14	1	0.001	0.004	7440-39-3	04/10/07 15:07	04/09/07 08:00
Beryllium	6010	mg/L	0.0044 U	1	0.0044	0.0176	7440-41-7	04/11/07 11:52	04/09/07 08:00
Cadmium	6010	mg/L	0.0006 U	1	0.0006	0.0024	7440-43-9	04/10/07 15:07	04/09/07 08:00
Chromium	6010	mg/L	0.017	1	0.0035	0.014	7440-47-3	04/10/07 15:07	04/09/07 08:00
Cobalt	6010	mg/L	0.0017 I	1	0.0012	0.0048	7440-48-4	04/11/07 13:12	04/09/07 08:00
Copper	6010	mg/L	0.0019 U	1	0.0019	0.0076	7440-50-8	04/11/07 11:52	04/09/07 08:00
Lead	6010	mg/L	0.0044 U	1	0.0044	0.018	7439-92-1	04/10/07 15:07	04/09/07 08:00
Nickel	6010	mg/L	0.0025 U	1	0.0025	0.01	7440-02-0	04/11/07 11:52	04/09/07 08:00
Selenium	6010	mg/L	0.0047 U	1	0.0047	0.019	7782-49-2	04/10/07 15:07	04/09/07 08:00
Silver	6010	mg/L	0.0033 U	1	0.0033	0.013	7440-22-4	04/10/07 15:07	04/09/07 08:00
Thallium	6010	mg/L	0.0027 U	1	0.0027	0.011	7440-28-0	04/11/07 11:52	04/09/07 08:00
Tin	6010	mg/L	0.0049 I	1	0.0029	0.012	7440-31-5	04/11/07 14:38	04/09/07 08:00
Vanadium	6010	mg/L	0.020	1	0.0022	0.0088	7440-62-2	04/11/07 13:12	04/09/07 08:00
Zinc	6010	mg/L	0.0092 I	1	0.0029	0.012	7440-66-6	04/11/07 11:52	04/09/07 08:00
olychlorinated Biphenyls by EPA Method 8082									
ate Extracted	3510		4/12/07						04/12/07 18:45
Date Analyzed	8082		4/19/07	1				04/19/07 00:52	

Laboratory ID Number - E84809

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Report of Laboratory Analysis

SunLabs Project Number
070406.04

Nodarse & Associates, Inc.

Project Description

Hardee County Landfill

May 11, 2007

SunLabs Sample Number **49562**
Sample Designation **MW-10**

Matrix Groundwater
Date Collected 04/05/07 15:27
Date Received 04/06/07 07:40

Parameters	Method	Units	Results	Dil Factor	MDL	RL	CAS Number	Date/Time Analyzed	Date/Time Prep
Polychlorinated Biphenyls by EPA Method 8082									
Surrogate	8082	%	53	1		1.0		04/19/07 00:52	04/12/07 18:45
PCB 1016	8082	ug/L	0.3 U	1	0.3	0.5	12674-11-2	04/19/07 00:52	04/12/07 18:45
PCB 1221	8082	ug/L	0.3 U	1	0.3	0.5	11104-28-2	04/19/07 00:52	04/12/07 18:45
PCB 1232	8082	ug/L	0.2 U	1	0.2	0.5	11141-16-5	04/19/07 00:52	04/12/07 18:45
PCB 1242	8082	ug/L	0.3 U	1	0.3	0.5	53469-21-9	04/19/07 00:52	04/12/07 18:45
PCB 1248	8082	ug/L	0.2 U	1	0.2	0.5	12672-29-6	04/19/07 00:52	04/12/07 18:45
PCB 1254	8082	ug/L	0.4 U	1	0.4	0.5	11097-69-1	04/19/07 00:52	04/12/07 18:45
PCB 1260	8082	ug/L	0.2 U	1	0.2	0.5	11096-82-5	04/19/07 00:52	04/12/07 18:45
Mercury									
Date Digested	7470		4/9/2007						04/09/07 08:45
Date Analyzed	7470		4/10/2007	1				04/10/07 13:54	
Mercury	7470	mg/L	0.0002 U	1	0.0002	0.0008	7439-97-6	04/10/07 13:54	04/09/07 08:45
Total Dissolved Solids									
Date Analyzed			4/11/07 S3	1				04/11/07 18:47	04/07/07 09:00
Total Dissolved Solids	160.1	mg/L	70	1	10	100		04/11/07 18:47	04/07/07 09:00

Laboratory ID Number - E84809

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May 11, 2007

Footnotes

I	*The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.*
LCS	*Laboratory Control Sample*
LCSD	*Laboratory Control Sample Duplicate*
MB	*Method Blank*
MS	*Matrix Spike*
MSD	*Matrix Spike Duplicate*
NA	*Sample not analyzed at client's request.*
RPD	*Relative Percent Difference*
S3	*This analysis performed by Southern Analytical Laboratories, Certification number E84129.*
U	*The analyte was not detected at or above the reported detection limit.*
V	*Indicates that the analyte was detected in both the sample and the associated method blank.*

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Quality Control Data

Project Number

070406.04

Nodarse & Associates, Inc.

Project Description

Hardee County Landfill

May 11, 2007

Batch No: **B9966**
TestCode: 8151-w

Associated Samples
49560, 49561, 49562

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*49560*	*49560*					
Surrogate (D-131)	65														
Dicamba	0.34 U	1000	78	84	7	23	0-136	1000	85	101	17 *	12	3-139		
MCPP	0.40 U														
MCPA	0.35 U														
Dichloroprop	0.40 U	1000	80	85	6	32	1-113	1000	86	110 *	24	55	0-104		
2,4-D	0.45 U	1000	83	89	7	27	0-135	1000	91	110	19	52	0-118		
Silvex	0.44 U	1000	78	84	7	18	4-123	1000	85	101	17	68	5-112		
2,4,5-T	0.14 U	1000	69	67	3	23	0-114	1000	75	54	33 *	28	0-107		
2,4-DB	0.20 U														

Batch No: **B9969**
TestCode: Hg-L

Associated Samples
49560, 49561, 49562

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*49551*	*49551*					
Date Digested	4/9/07														
Date Analyzed	4/10/07														
Mercury	0.0002 U		103	103	0	11	81-118		100	102	2	17	67-126		

Batch No: **B9986**
TestCode: 6010-L-Appendix II

Associated Samples
49560, 49561, 49562

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*49560*	*49560*					
Date Digested	4/9/07		/9/07	/9/07	0				/9/07	/9/07	0				
Antimony	0.0067 U		98	100	2	5	89-114		100	101	1				
Arsenic	0.0048 U		96	96	0	8	88-112		97	95	2				
Barium	0.001 U		93	90	3	4	87-116		91	91	0				
Beryllium	0.0044 U		105	105	0	6	92-114		107	104	3				
Cadmium	0.0006 U		98	98	0	3	87-110		97	95	2				
Chromium	0.0035 U		98	97	1	3	91-112		97	98	1				
Cobalt	0.0012 U		102	102	0	3	91-108		103	102	1				
Copper	0.0019 U		103	103	0	3	90-113		103	101	2				
Lead	0.0044 U		97	95	2	8	87-113		94	94	0				
Nickel	0.0025 U		100	102	2	4	91-108		101	98	3				
Selenium	0.0047 U		94	96	2	4	88-110		96	96	0				
Silver	0.0033 U		96	96	0	4	85-111		95	94	1				
Thallium	0.0027 U		96	97	1	7	88-108		96	98	2				
Tin	0.0029 U		100	100	0	2	94-100		101	100	1				
Vanadium	0.0022 U		100	101	1	3	93-108		103	103	0				
Zinc	0.0029 U		98	100	2	4	86-114		99	99	0				

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SunLabs

Quality Control Data

Project Number	Nodarse & Associates, Inc.
070406.04	Project Description: Hardee County Landfill

May 11, 2007

Batch No: **B9999**
TestCode: 504-w

Associated Samples
49560, 49561, 49562

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*49560*	*49560*					
Date Extracted	4/11/07														
Date Analyzed	04/16/07														
1,2-Dibromoethane	0.018 U		106	118	11	20	55-135		115	119	3	59	35-152		

Batch No: **C1000**
TestCode: 8082-w

Associated Samples
49560, 49561, 49562

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*49560*	*49560*					
Surrogate	44														
PCB 1016	0.3 U														
PCB 1221	0.3 U														
PCB 1232	0.2 U	2000	94	101	7			2000	82	94	14				
PCB 1242	0.3 U														
PCB 1248	0.2 U														
PCB 1254	0.4 U														
PCB 1260	0.2 U														

* indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

U — *The analyte was not detected at or above the reported detection limit.*

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(1)

№ 12759

SunLabs, Inc. Chain of Custody

Client Name: Nodarse & Associates
Contact: Donna Cline
Address: 504 E. Tyler St.
Tampa FL 33602
Phone / Fax: 813-221-0050
E-Mail: donnac@nodarse.com

SunLabs Project # 070406.04

Project Name: Hardee County Landfill
Project #: 04-07-0048-201A
PO #:
Alt Bill To:

SunLabs Sample #	Sample Description	Sample Date	Sample Time	# of Bottles	Dioxin	Herbicides 8151	Pesticides 8141	Cyanide	PCBs 8082	Sulfide	Inorganics	Ammonia	8270	8081
Bottle Type					GA	GA	GA	P	GA	P	P	P	GA	GA
Preservative					I	I	I	O	I	O	I	S	I	I
Matrix					GW	GW	GW	GW	GW	GW	GW	GW	GW	GW
49560	MW-12	4/5/07	11:30A	1710	X	X	X	X	X	X	X	X	X	X
49561	MW-11	↓	1348	1710	X	X	X	X	X	X	X	X	X	X
49562	MW-10		1527	1710	X	X	X	X	X	X	X	X	X	X
	MS		1130	6	X	X	X		X				X	X
	MSD	↓	1130	6	X	X	X		X				X	X

Due Date Requested:

☐ FDEP PreApproval site
☐ Current rates ☐ Old rates

Remarks / Comments:
cyanide – NaOH preservative
sulfide – Zn Acetate + NaOH preservative

Sampler Signature / Date: [signature] 4/5/07

Printed Name / Affiliation: Yian Lo / Nodarse

Bottle Type Codes:
GV = Glass Vial
GA = Glass Amber
P = Plastic
S = Soil Jar
GVS = Low Level Volatile Kit
T = Tedlar Bag
O = Other

Preservative Codes:
H = Hydrochloric Acid + Ice
I = Ice only
N = Nitric Acid + Ice
S = Sulfuric Acid + Ice
VS = MeOH, OFW, + Ice
O = Other (Specify)

Matrix Codes:
A = Air
DW = Drinking Water
GW = Ground Water
SE = Sediment
SO = Soil
SOL = Solid
SW = Surface Water
W = Water (Blanks)
O = Other (Specify)

Temp: 4.2°C
Received on Ice? Y / N / NA

Internal Use Only
Sample Condition Upon Receipt:

Custody Seals present?	Y / N / NA
Shipping Bills attached?	Y / N / NA
Sample containers intact?	Y / N / NA
Samples within holding times?	Y / N / NA
Sufficient volume for all analyses?	Y / N / NA
Are vials head-space free?	Y / N / NA
Proper containers and preservatives?	Y / N / NA

SUNLABS, INC. RESERVES THE RIGHT TO BILL FOR UNUSED/ UNRETURNED SAMPLES AND TO RETURN UNUSED SAMPLES.

Relinquished By:	Relinquished To:	Date:	Time:
[signature]	[signature]	4/5/07	1626
[signature]	[signature]	4/6/07	0740

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4170

②

№ 12760

SunLabs, Inc. Chain of Custody

Client Name: Nodarse & Associates
Contact: Donna Cline
Address: 504 E. Tyler St.
Tampa FL 33602
Phone / Fax: 813-221-0050
E-Mail : donnac@nodarse.com

SunLabs Project # 070406.04

Project Name: Hardee County Landfill
Project #: 04-07-0048-201A
PO #:
Alt Bill To:

Bottle Type	P	GV	GV		
Preservative	N	H	H		
Matrix	GW	GW	GW		
Analysis / Method Requested	Metals	EDB	8260		

SunLabs Sample #	Sample Description	Sample Date	Sample Time	# of Bottles	Metals	EDB	8260
49560	MW-12	4/5/07	11:30	7	X	X	X
49561	MW-11	↓	1348	7	X	X	X
49562	MW-10	↓	1527	7	X	X	X

Due Date Requested:

☐ FDEP PreApproval site
☐ Current rates ☐ Old rates

Remarks / Comments:

Sampler Signature / Date: 4/5/07

Printed Name / Affiliation: Yian Lo / Nodarse

SUNLABS, INC. RESERVES THE RIGHT TO BILL FOR UNUSED/UNRETURNED SAMPLES AND TO RETURN UNUSED SAMPLES.

Relinquished By:	Relinquished To:	Date:	Time:
		4/5/07	1627
		4/6/07	0740

Bottle Type Codes:
GV = Glass Vial
GA = Glass Amber
P = Plastic
S = Soil Jar
GVS = Low Level Volatile Kit
T = Tedlar Bag
O = Other

Preservative Codes:
H = Hydrochloric Acid + Ice
I = Ice only
N = Nitric Acid + Ice
S = Sulfuric Acid + Ice
VS = MeOH, OFW, + Ice
O = Other (Specify)

Matrix Codes:
A = Air
DW = Drinking Water
GW = Ground Water
SE = Sediment
SO = Soil
SOL = Solid
SW = Surface Water
W = Water (Blanks)
O = Other (Specify)

Temp: 4.2°C
Received on Ice? Y / N / NA

Internal Use Only
Sample Condition Upon Receipt:
Custody Seals present? Y / N / NA
Shipping Bills attached? Y / N / NA
Sample containers intact? Y / N / NA
Samples within holding times? Y / N / NA
Sufficient volume for all analyses? Y / N / NA
Are vials head-space free? Y / N / NA
Proper containers and preservatives? Y / N / NA

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