

# American Environmental Network

(formerly Analytical Technologies Inc.)

## FAX TRANSMITTAL SHEET

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COMPANY: NMED-GWPRB

NUMBER OF PAGES BEING SENT: 11 (INCLUDING THIS PAGE)

*2nd Report - 9 Pgs*

FROM:

DATE: 4/23

X H. Mitchell Rubenstein, Ph.D., Lab Manager  
Kimberly D. McNeill, Project Manager  
Andrew Parker  
Ellen Dolock

TIME: 8<sup>00</sup>A

FAX NUMBER: (505) 344-4413

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COMMENTS:

John Wakefield of Sparton Tech. requested that I fax a copy of these gas vapor reports to you.

If you did not receive all pages of this transmission or if you experience Fax Transmission problems, Please call (505) 344-3777, as soon as possible after receipt.

AEN I.D. 604346

April 15, 1996

Sparton Technology Inc.  
4901 Rockaway Blvd SE  
Albuquerque, NM 87124-4469

Project Name/Number: SVS-2Q96 041196-SV

Attention: John Wakefield

On 04/11/96, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) (formerly ATI-NM), received a request to analyze air samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



Kimberly D. McNeill  
Project Manager



H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure

CLIENT : SPARTON TECHNOLOGY INC. DATE RECEIVED : 04/11/96  
 PROJECT # : 041196-SV  
 PROJECT NAME : SVS-2Q96 REPORT DATE : 04/15/96

AEN ID: 604346

AEN #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-33 0.0	AIR	04/11/96
02	MW-15 1.0	AIR	04/11/96
03	MW-27 1.1	AIR	04/11/96

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
AIR	3

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

OGC-002008 -

GWB-00579-SPARTO

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)  
 CLIENT : SPARTON TECHNOLOGY INC. AEN I.D.: 604346  
 PROJECT # : 041196-SV  
 PROJECT NAME : SVS-2Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-33 0.0	AIR	04/11/96	NA	04/11/96	1
02	MW-15 1.0	AIR	04/11/96	NA	04/11/96	1
03	MW-27 1.1	AIR	04/11/96	NA	04/11/96	1

PARAMETER	UNITS	01	02	03
BENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
BROMODICHLOROMETHANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
BROMOFORM	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
BROMOMETHANE	MG/M <sup>3</sup>	<0.10	<0.10	<0.10
CARBON TETRACHLORIDE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
CHLOROBENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
CHLOROETHANE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
CHLOROFORM	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
CHLOROMETHANE	MG/M <sup>3</sup>	<0.10	<0.10	<0.10
DIBROMOCHLOROMETHANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
1,2-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
1,3-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
1,4-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
1,1-DICHLOROETHANE	MG/M <sup>3</sup>	<0.03	<0.03	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
1,1-DICHLOROETHENE	MG/M <sup>3</sup>	0.07	0.08	1.0
CIS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.10	<0.10	<0.10
1,2-DICHLOROPROPANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
ETHYLBENZENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
METHYL-t-BUTYL ETHER	MG/M <sup>3</sup>	<0.25	<0.25	<0.25
METHYLENE CHLORIDE	MG/M <sup>3</sup>	<0.20	<0.20	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
TETRACHLOROETHENE	MG/M <sup>3</sup>	<0.05	<0.05	0.06
TOLUENE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
1,1,1-TRICHLOROETHANE	MG/M <sup>3</sup>	0.13	0.43	3.4 D(10)
1,1,2-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
TRICHLOROETHENE	MG/M <sup>3</sup>	1.3	1.4	5.6 D(10)
TRICHLOROFLUOROMETHANE	MG/M <sup>3</sup>	<0.02	<0.02	<0.02
VINYL CHLORIDE	MG/M <sup>3</sup>	<0.05	<0.05	<0.05
TOTAL XYLENES	MG/M <sup>3</sup>	<0.05	<0.05	<0.05

SURROGATES:

BROMOCHLOROMETHANE (%)	88	82	91
TRIFLUOROTOLUENE (%)	85	95	95

D(10)=DILUTED 10X, ANALYZED 04/12/96

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

TEST	: EPA 8010/8020	AEN I.D.	: 604346
BLANK I.D.	: 040996	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 041196-SV	DATE ANALYZED	: 04/09/96
PROJECT NAME	: SVS-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M <sup>3</sup>	<0.05
BROMODICHLOROMETHANE	MG/M <sup>3</sup>	<0.02
BROMOFORM	MG/M <sup>3</sup>	<0.05
BROMOMETHANE	MG/M <sup>3</sup>	<0.10
CARBON TETRACHLORIDE	MG/M <sup>3</sup>	<0.02
CHLOROBENZENE	MG/M <sup>3</sup>	<0.05
CHLOROETHANE	MG/M <sup>3</sup>	<0.05
CHLOROFORM	MG/M <sup>3</sup>	<0.05
CHLOROMETHANE	MG/M <sup>3</sup>	<0.10
DIBROMOCHLOROMETHANE	MG/M <sup>3</sup>	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M <sup>3</sup>	<0.02
1,2-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,3-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,4-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHANE	MG/M <sup>3</sup>	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
CIS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.10
1,2-DICHLOROPROPANE	MG/M <sup>3</sup>	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
ETHYLBENZENE	MG/M <sup>3</sup>	<0.05
METHYL-t-BUTYL ETHER	MG/M <sup>3</sup>	<0.25
METHYLENE CHLORIDE	MG/M <sup>3</sup>	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M <sup>3</sup>	<0.02
TETRACHLOROETHENE	MG/M <sup>3</sup>	<0.05
TOLUENE	MG/M <sup>3</sup>	<0.05
1,1,1-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.10
1,1,2-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.02
TRICHLOROETHENE	MG/M <sup>3</sup>	<0.03
TRICHLOROFLUOROMETHANE	MG/M <sup>3</sup>	<0.02
VINYL CHLORIDE	MG/M <sup>3</sup>	<0.05
TOTAL XYLENES	MG/M <sup>3</sup>	<0.05

SURROGATES:

BROMOCHLOROMETHANE (%)	94
TRIFLUOROTOLUENE (%)	97

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

TEST	: EPA 8010/8020	AEN I.D.	: 604346
BLANK I.D.	: 041196	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 041196-SV	DATE ANALYZED	: 04/11/96
PROJECT NAME	: SVS-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M <sup>3</sup>	<0.05
BROMODICHLOROMETHANE	MG/M <sup>3</sup>	<0.02
BROMOFORM	MG/M <sup>3</sup>	<0.05
BROMOMETHANE	MG/M <sup>3</sup>	<0.10
CARBON TETRACHLORIDE	MG/M <sup>3</sup>	<0.02
CHLOROBENZENE	MG/M <sup>3</sup>	<0.05
CHLOROETHANE	MG/M <sup>3</sup>	<0.05
CHLOROFORM	MG/M <sup>3</sup>	<0.05
CHLOROMETHANE	MG/M <sup>3</sup>	<0.10
DIBROMOCHLOROMETHANE	MG/M <sup>3</sup>	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M <sup>3</sup>	<0.02
1,2-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,3-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,4-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHANE	MG/M <sup>3</sup>	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
CIS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.10
1,2-DICHLOROPROPANE	MG/M <sup>3</sup>	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
ETHYLBENZENE	MG/M <sup>3</sup>	<0.05
METHYL-t-BUTYL ETHER	MG/M <sup>3</sup>	<0.25
METHYLENE CHLORIDE	MG/M <sup>3</sup>	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M <sup>3</sup>	<0.02
TETRACHLOROETHENE	MG/M <sup>3</sup>	<0.05
TOLUENE	MG/M <sup>3</sup>	<0.05
1,1,1-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.10
1,1,2-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.02
TRICHLOROETHENE	MG/M <sup>3</sup>	<0.03
TRICHLOROFLUOROMETHANE	MG/M <sup>3</sup>	<0.02
VINYL CHLORIDE	MG/M <sup>3</sup>	<0.05
TOTAL XYLENES	MG/M <sup>3</sup>	<0.05
 SURROGATES:		
BROMOCHLOROMETHANE (%)		96
TRIFLUOROTOLUENE (%)		98

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

TEST	: EPA 8010/8020	AEN I.D.	: 604346
BLANK I.D.	: 041296	MATRIX	: AIR
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 041196-SV	DATE ANALYZED	: 04/12/96
PROJECT NAME	: SVS-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/M <sup>3</sup>	<0.05
BROMODICHLOROMETHANE	MG/M <sup>3</sup>	<0.02
BROMOFORM	MG/M <sup>3</sup>	<0.05
BROMOMETHANE	MG/M <sup>3</sup>	<0.10
CARBON TETRACHLORIDE	MG/M <sup>3</sup>	<0.02
CHLOROBENZENE	MG/M <sup>3</sup>	<0.05
CHLOROETHANE	MG/M <sup>3</sup>	<0.05
CHLOROFORM	MG/M <sup>3</sup>	<0.05
CHLOROMETHANE	MG/M <sup>3</sup>	<0.10
DIBROMOCHLOROMETHANE	MG/M <sup>3</sup>	<0.02
1,2-DIBROMOETHANE (EDB)	MG/M <sup>3</sup>	<0.02
1,2-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,3-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,4-DICHLOROBENZENE	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHANE	MG/M <sup>3</sup>	<0.03
1,2-DICHLOROETHANE (EDC)	MG/M <sup>3</sup>	<0.05
1,1-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
CIS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.02
TRANS-1,2-DICHLOROETHENE	MG/M <sup>3</sup>	<0.10
1,2-DICHLOROPROPANE	MG/M <sup>3</sup>	<0.02
CIS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
TRANS-1,3-DICHLOROPROPENE	MG/M <sup>3</sup>	<0.02
ETHYLBENZENE	MG/M <sup>3</sup>	<0.05
METHYL-t-BUTYL ETHER	MG/M <sup>3</sup>	<0.25
METHYLENE CHLORIDE	MG/M <sup>3</sup>	<0.20
1,1,2,2-TETRACHLOROETHANE	MG/M <sup>3</sup>	<0.02
TETRACHLOROETHENE	MG/M <sup>3</sup>	<0.05
TOLUENE	MG/M <sup>3</sup>	<0.05
1,1,1-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.10
1,1,2-TRICHLOROETHANE	MG/M <sup>3</sup>	<0.02
TRICHLOROETHENE	MG/M <sup>3</sup>	<0.03
TRICHLOROFLUOROMETHANE	MG/M <sup>3</sup>	<0.02
VINYL CHLORIDE	MG/M <sup>3</sup>	<0.05
TOTAL XYLENES	MG/M <sup>3</sup>	<0.05
SURROGATES:		
BROMOCHLOROMETHANE (%)		89
TRIFLUOROTOLUENE (%)		94

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 8010/8020)  
 MSMSD # : 040996 AEN I.D. : 604346  
 CLIENT : SPARTON TECHNOLOGY INC. DATE EXTRACTED : NA  
 PROJECT # : 041196-SV DATE ANALYZED : 04/09/96  
 PROJECT NAME : SVS-2Q96 SAMPLE MATRIX : AIR  
 REF. I.D. : 040996 UNITS : MG/M<sup>3</sup>

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.05	1.00	1.05	105	0.94	94	11
CHLOROBENZENE	<0.05	1.00	1.04	104	1.05	105	1
1,1-DICHLOROETHENE	<0.02	1.00	0.75	75	0.77	77	3
TOLUENE	<0.05	1.00	1.04	104	0.96	96	8
TRICHLOROETHENE	<0.03	1.00	1.00	100	1.04	104	4

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

OGC-002013

GWB-00574-SPARTC





Analytical Technologies, Inc., Albuquerque, NM  
 San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

# CHAIN OF CUSTODY

DATE: 4-11-96 PAGE 1 OF 1

PROJECT MANAGER: John W. Wakefield

ANALYSIS REQUEST

COMPANY: Spartan Technology Inc.  
 ADDRESS: 9221 Coors Rd. NW  
 Albuquerque NM 87114  
 PHONE: 505-892-5303  
 FAX: 505-892-5515  
 BILL TO: II  
 COMPANY: II  
 ADDRESS: 4901 Rockaway Blvd SE  
 Rio Rancho NM 87124-4469  
 P.O. BOX 100

SAMPLE ID DATE TIME MATRIX LAB ID

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
MW-33	4-11-96	09:20	Air	31
MW-15	4-11-96	10:35	Air	03
MW-27	4-11-96	13:01	Air	03

<input type="checkbox"/>	Petroleum Hydrocarbons (418.1)
<input type="checkbox"/>	(MOD 8015) Gas/Diesel
<input type="checkbox"/>	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)
<input type="checkbox"/>	BTXE/MTBE (8020)
<input checked="" type="checkbox"/>	Chlorinated Hydrocarbons (601/8010)
<input checked="" type="checkbox"/>	Aromatic Hydrocarbons (602/8020)
<input type="checkbox"/>	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.
<input type="checkbox"/>	Pesticides/PCB (608/8080)
<input type="checkbox"/>	Herbicides (615/8150)
<input type="checkbox"/>	Base/Neutral/Acid Compounds GC/MS (625/8270)
<input type="checkbox"/>	Volatile Organics GC/MS (624/8240)
<input type="checkbox"/>	Polynuclear Aromatics (610/8310)
<input type="checkbox"/>	SDWA Primary Standards - Arizona
<input type="checkbox"/>	SDWA Secondary Standards - Arizona
<input type="checkbox"/>	SDWA Primary Standards - Federal
<input type="checkbox"/>	SDWA Secondary Standards - Federal
<input type="checkbox"/>	The 13 Priority Pollutant Metals
<input type="checkbox"/>	RCRA Metals by Total Digestion
<input type="checkbox"/>	RCRA Metals by TCLP (1311)

NUMBER OF CONTAINERS

PROJECT INFORMATION

SAMPLE RECEIPT

PROJ. NO.: 041196-SV NO. CONTAINERS: 3

PROJ. NAME: SVS-2096 CUSTODY SEALS: (P) NA

P.O. NO.: SHIPPED VIA: Delivered RECEIVED (INITIALS):

PRICE AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH)  24hr  48hr  72hr  1 WEEK (NORMAL)  2 WEEK

Comments: Need preliminary John Dowd to 892-5515 and to P. Chandler at 214 770-1549

SAMPLED & RELINQUISHED BY: 1

RELINQUISHED BY: 2

RELINQUISHED BY: 3

Printed Name: John W. Wakefield Date: 4-11-96  
 Signature: [Signature] Time: 14:27  
 Company: STI Phone: 892-5300

RECEIVED BY: 1 Signature: [Signature] Time: [Time]  
 Printed Name: [Name] Date: [Date]  
 Company: [Company]

RECEIVED BY: 2 Signature: [Signature] Time: [Time]  
 Printed Name: [Name] Date: [Date]  
 Company: [Company]

RECEIVED BY: 3 Signature: [Signature] Time: [Time]  
 Printed Name: [Name] Date: [Date]  
 Company: [Company]

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

ATI Lake San Diego (619) 456-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-6335 • Pensacola (904) 474-1001 • Portland (503) 644-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: WHP - 471 - 001 - 0000000000

GWB-00573-SPARTON