SPARTON TECHNOLOGY, INC.

1996

ALTERNATE GROUNDWATER MONITORING PROGRAM

ANNUAL DATA SUMMARY

FACILITY ADDRESS

SPARTON TECHNOLOGY, INC.
9621 COORS RD. NW
ALBUQUERQUE, NM 87114

MAILING ADDRESS

SPARTON TECHNOLOGY, INC.
4901 ROCKAWAY BLVD. SE
RIO RANCHO, NM 87124-4469

TABLE OF CONTENTS

Section

1. MW-9 Annual Summary and Quarterly Reports
2. MW-14 Annual Summary and Quarterly Reports
3. MW-15 Annual Summary and Quarterly Reports
4. MW-16 Annual Summary and Quarterly Reports
5 MW-19 Annual Summary and Quarterly Reports
6. MW-20 Annual Summary and Quarterly Reports
7. MW-21 Annual Summary and Quarterly Reports
8. MW-22 Annual Summary and Quarterly Reports
9. First Quarter, 1996 Laboratory Report
10. Second Quarter, 1996 Laboratory Report
11. Third Quarter, 1996 Laboratory Report
12. Fourth Quarter, 1996 Laboratory Report

SECTION 1

MW-9

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-9

WELL LOCATION (LONGITUDE) 106° 39' 42.2" *1

WELL LOCATION (LATITUDE) 35° 11' 18.5" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 11/13/83

DRILLING METHOD HLWAG/HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4958.26

ELEV BOTTOM OF WELL CASING 4965.76

ELEV BOTTOM OF SCREENED INT 4970.76

ELEV OF TOP OF SCREENED INT. 4975.76

SURVEYED ELEV OF CASING TOP 5043.55 *2

SURVEYED MEASURING PT. ELEV. 5044.11 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M.Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

004695

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-9

SAMPLE DATES

		1-16-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
Elev. of G.Water	ft.	4973.99	4974.16	4974.41	4974.33
pH (Avg)	S.U.	7.99	7.65	8.0	7.71
Spec Cond (Avg)	umhos/cm	760	780	760	730
T.O.X. (Avg)	ug/1	350	480	590	200
T.O.C. (Avg)	mg/1	0.9	2.0	2.0	2.0
Chloride	mg/1			13	
Iron	ug/1				
Manganese	ug/1			0.01	
Phenols	ug/1				
Sodium	mg/1			70	
Sulfate	mg/1			140	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-9

PARAMETERS	UNITS	SAMPLE DATES 1-16-96	4-24-96	7-17-96	10-4-96
1,1-Dichloroethene	ug/l	25	46	49	48
Trichloroethene	ug/l	570	710	460	540
1,1,1-Trichloroethane	ug/l	82	91	51	63
Chloroform	ug/l	2.7	2.7	2.5	2.7
1,1 Dichloroethane	ug/l	1.8	3.0	2.7	2.5
Methylene Chloride	ug/l	2.6	49	74	62
Tetrachloroethene	ug/l	2.2	2.7	1.9	2.4
1,1,2-Trichloroethane	ug/l	0.8	1.2		0.9
Chlorobenzene	ug/l		0.5		
Trans-1,3-Dichloropropene	ug/l		0.2		
Trichlorofluoromethane	ug/l		0.6		
Dibromochloromethane	ug/l				0.5
1,2-Dibromoethane	ug/l				0.6
Chromium, total	mg/L	<0.01		<0.01	
Chromium, hexavalent	mg/L			<0.05	
Chromium, trivalent	mg/L			<0.01	
Boron	mg/L			1.4	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			2.9	
Total Kjeldahl Nitrogen	mg/L			0.8	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-9 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 78.35 LABORATORY NAME: ATI

DATE SAMPLED: 1-16-96 LABORATORY SAMPLE I.D. #: 601351-07

TIME SAMPLED: 1438 DATE RECEIVED BY LAB: 1-16-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.99	1-16-96
Well Casing Volume	--------	gal.	1.34	1-16-96
Pump Rate	--------	gal./min.	0.10	1-16-96
Pump Period	72004	min.	44	1-16-96
Volume Evacuated	73675	gal.	4.2	1-16-96
Well Sampling Method	84077	--------	BLDRP	1-16-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.99	NA	1-16-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	760	1	1-18-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	350	8	1-25-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	0.9	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-9

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	25	4.0	NA	1-23-96	601/602
Trichloroethane		UG/L	570	15	NA	1-24-96	601/602
1,1,1 - Trichloroethane		UG/L	82	20	NA	1-23-96	601/602
Chloroform		UG/L	2.7	0.5	NA	1-23-96	601/602
1,1 Dichloroethane		UG/L	1.8	0.3	NA	1-23-96	601/602
Methylene Chloride		UG/L	2.6	2.0	NA	1-23-96	601/602
Tetrachloroethene		UG/L	2.2	0.5	NA	1-23-96	601/602
1,1,2 - Trichloroethane		UG/L	0.8	0.2	NA	1-23-96	601/602
Chromium, Total		MG/L	<0.01	0.01	1-22-96*	1-25-96	6010

* Date Digested

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-9 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 78.35 LABORATORY NAME: AEN

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: 604401-10

TIME SAMPLED: 1345 DATE RECEIVED BY LAB: 4-24-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.16	4-24-96
Well Casing Volume	--------	gal.	1.37	4-24-96
Pump Rate	--------	gal./min.	0.12	4-24-96
Pump Period	72004	min.	34	4-24-96
Volume Evacuated	73675	gal.	4.1	4-24-96
Well Sampling Method	84077	--------	BLDRP	4-24-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.65	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	780	1	4-26-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	480	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1	5-6-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-90

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-9

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	46	2.0	NA	5-1-96	8010
Trichloroethene		UG/L	710	15	NA	5-1-96	8010
1,1,1 Trichloroethene		UG/L	91	10	NA	5-1-96	8010
Chloroform		UG/L	2.7	5	NA	4-27-96	8010
1,1 Dichloroethane		UG/L	3.0	0.3	NA	4-27-96	8010
Methylene Chloride		UG/L	49	20	NA	5-1-96	8010
Tetrachloroethene		UG/L	2.7	0.5	NA	4-27-96	8010
1,1,2 - Trichloroethane		UG/L	1.2	0.2	NA	4-27-96	8010
Chlorobenzene		UG/L	0.5	0.5	NA	4-27-96	8010
Trans-1, 3-Dichloropropene		UG/L	0.2	0.2	NA	4-27-96	8010
Trichloro-Fluoromethane		UG/L	0.6	0.2	NA	4-27-96	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

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ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-9 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 78.35 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-04

TIME SAMPLED: 1012 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.41	7-17-96
Well Casing Volume	--------	gal.	1.41	7-17-96
Pump Rate	--------	gal./min.	0.12	7-17-96
Pump Period	72004	min.	42	7-17-96
Volume Evacuated	73675	gal.	5.0	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004706

INDICATOR PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.0	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	760	1.0	7-22-96	
	00095	umhos/cm				120.1/2510B
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	590	10.0	7-22-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2.0	1.0	7-25-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

004707

GROUND WATER QUALITY PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	13	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	0.01	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	70	0.2	7-30-96	200.7
Sulfate	00945	mg/l	140	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-9

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	49	5.0	NA	7-30-96	8240
Trichloroethene	UG/L	460	5.0	NA	7-30-96	8240
1,1,1 Trichloroethane	UG/L	51	5.0	NA	7-30-96	8240
Tetrachloroethene	UG/L	1.9	2.0	NA	7-31-96	8240
Chloroform	UG/L	2.5	2.0	NA	7-31-96	8240
1,1 Dichloroethane	UG/L	2.7	2.0	NA	7-31-96	8240
Methylene Chloride	UG/L	74	5.0	NA	7-30-96	8240
Chromium, total	mg/L	ND	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	<0.05	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	ND	0.01	NA	7-18-96	7196
Boron	mg/L	1.4	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	2.9	0.1	NA	7-17-96	353.2
Total Kjeldahl Nitrogen	mg/L	0.8	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4TH QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-9 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 78.35 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 610317-06

TIME SAMPLED: 10:24 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4974.33	10-4-96
Well Casing Volume	------	gal.	1.40	10-4-96
Pump Rate	-------	gal./min.	0.12	10-4-96
Pump Period	72004	min.	38	10-4-96
Volume Evacuated	73675	gal.	4.2	10-4-96
Well Sampling Method	84077	------	BLDRP	10-4-96
Sampler Material	-------	-------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004710

INDICATOR PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.71	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	730	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	200	10	10-16-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1	10-15-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-9

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-9

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	48	5.0	NA	10-9-96	8010
Trichloroethene	UG/L	540	30	NA	10-9-96	8010
1,1,1 Trichloroethane	UG/L	63	25	NA	10-9-96	8010
Tetrachloroethene	UG/L	2.4	0.5	NA	10-8-96	8010
Chloroform	UG/L	2.7	0.5	NA	10-8-96	8010
1,1 Dichloroethane	UG/L	2.5	0.3	NA	10-8-96	8010
Methylene Chloride	UG/L	62	50	NA	10-9-96	8010
Dibromochloromethane	UG/L	0.5	0.2	NA	10-8-96	8010
1,2-Dibromoethane	UG/L	0.6	0.2	NA	10-8-96	8010
1,1,2-Trichloroethane	UG/L	0.9	0.2	NA	10-8-96	8010

ND = Not Detected
NA = Not Applicable

004713

SECTION 2

MW-14

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-14

WELL LOCATION (LONGITUDE) 106° 39' 45.8" *1

WELL LOCATION (LATITUDE) 35° 11' 20.1" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 08/24/84

DRILLING METHOD HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 8.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4910.24

ELEV BOTTOM OF WELL CASING 4969.74 *2

ELEV BOTTOM OF SCREENED INT 4969.74 *2

ELEV OF TOP OF SCREENED INT. 4979.24

SURVEYED ELEV OF CASING TOP 5041.86 *3

SURVEYED MEASURING PT. ELEV. 5043.04 *4

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 15' quad.
*2 Plugged back to this depth on 1/14/88.
*3 Not surveyed, measured from Surveyed Measuring Point Elevation.
*4 Surveyed Datum on well vault or outer protective casing.

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-14

SAMPLE DATES

		1-12-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
Elev. of G.Water	ft.	4972.72	4972.64	4972.64	4974.33
pH (Avg)	S.U.	8.50	8.10	8.6	7.71
Spec Cond (Avg)	umhos/cm	599	690	680	730
T.O.X. (Avg)	ug/1	166	300	310	200
T.O.C. (Avg)	mg/1	0.7	1	2.0	2.0
Chloride	mg/1			22	
Iron	ug/1				
Manganese	ug/1			<0.01	
Phenols	ug/1				
Sodium	mg/1			53	
Sulfate	mg/1			140	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-14

SAMPLE DATES

		1-12-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	4.6	16	19	19
Trichloroethene	ug/l	290	420	300	490
1,1,1-Trichloroethane	ug/l	5.8	6.7	5.5	7.9
1,1,2-Trichloroethane	ug/l	0.5	0.7		0.8
Tetrachloroethene	ug/l	1.7	1.5	1.2	1.7
Toluene	ug/l	0.9			
Chloroform	ug/l	1.2	1.8	1.5	2.5
cis-1,2-Dichloroethene	ug/l	0.2	0.2		0.2
1,1 Dichloroethane	ug/l				0.3
1, 2-Dibromoethane	ug/l				0.6
Chromium, total	mg/L	1.53		1.3	
Chromium, hexavalent	mg/L			1.24	
Chromium, trivalent	mg/L			0.06	
Boron	mg/L			1.3	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			9.6	
Total Kjeldahl Nitrogen	mg/L			<0.5	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-14 SAMPLE COLLECTION BY: JOHN M. WAKEFIELD

WELL DEPTH: 73.08 LABORATORY NAME: ATI

DATE SAMPLED: 1-12-96 LABORATORY SAMPLE I.D. #: 601346-06

TIME SAMPLED: 1425 DATE RECEIVED BY LAB: 1-12-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.72	1-12-96
Well Casing Volume	--------	gal.	0.45	1-12-96
Pump Rate	--------	gal./min.	0.05	1-12-96
Pump Period	72004	min.	35	1-12-96
Volume Evacuated	73675	gal.	1.6	1-12-96
Well Sampling Method	84077	--------	BLDRP	1-12-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.50	NA	1-12-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	599	1	1-18-96	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	166	8	1-19-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	0.7	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE
ND = NOT DETECTED

GROUND WATER QUALITY PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-14

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	4.6	4.0	NA	1-22-96	601/602
Trichloroethane		UG/L	290	6.0	NA	1-22-96	601/602
1,1,1-Trichloroethane		UG/L	5.8	1.0	NA	1-20-96	601/602
1,1,2-Trichloroethane		UG/L	0.5	0.2	NA	1-20-96	601/602
Tetrachloroethene		UG/L	1.7	0.5	NA	1-20-96	601/602
Toluene		UG/L	0.9	0.5	NA	1-20-96	601/602
Chloroform		UG/L	1.2	0.5	NA	1-20-96	601/602
CIS-1,2-Dichloroethene		UG/L	0.2	0.2	NA	1-20-96	601/602
Chromium Total		MG/L	1.53	0.01	1-16-96*	1-18-96	6010

*Date Extracted

004721

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-14 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 73.08 LABORATORY NAME: AEN

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: 604401-11

TIME SAMPLED: 1415 DATE RECEIVED BY LAB: 4-24-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.64	4-24-96
Well Casing Volume	--------	gal.	0.44	4-24-96
Pump Rate	--------	gal./min.	0.06	4-24-96
Pump Period	72004	min.	33	4-24-96
Volume Evacuated	73675	gal.	1.7	4-24-96
Well Sampling Method	84077	--------	BLDRP	4-24-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.10	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	690	1	4-26-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	300	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	>1	1	5-6-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-14 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 73.08 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-03

TIME SAMPLED: 1024 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.64	7-17-96
Well Casing Volume	--------	gal.	0.44	7-17-96
Pump Rate	--------	gal./min.	0.06	7-17-96
Pump Period	72004	min.	22	7-17-96
Volume Evacuated	73675	gal.	1.40	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004724

INDICATOR PARAMETERS

MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.6	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	680	1.0	7-22-96	
	00095	umhos/cm				120.1/2510B
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	310	10.0	7-20-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2.0	1.0	7-25-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-14

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	16	20	NA	4-30-96	8010
Trichloroethene		UG/L	420	15	NA	5-1-96	8010
1,1,1 Trichloroethene		UG/L	6.7	100	NA	4-30-96	8010
Tetrachloroethene		UG/L	1.5	5	NA	4-30-96	8010
Chloroform		UG/L	1.8	5	NA	4-30-96	8010
1,1,2 - Trichloroethane		UG/L	0.7	0.2	NA	4-30-96	8010
Cis-1,2-Dichloroethene		UG/L	0.2	0.2	NA	4-30-96	8010

004727

GROUND WATER QUALITY PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	22	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	ND	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	53	0.2	7-30-96	200.7
Sulfate	00945	mg/l	140	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

004728

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-14

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	19	1.0	NA	7-30-96	8240
Trichloroethene	UG/L	300	1.0	NA	7-28-96	8240
1,1,1 Trichloroethane	UG/L	5.5	1.0	NA	7-30-96	8240
Tetrachloroethene	UG/L	1.2	1.0	NA	7-30-96	8240
Chloroform	UG/L	1.5	1.0	NA	7-30-96	8240
Chromium, total	mg/L	1.3	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	1.24	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	0.06	0.02	NA	7-18-96	7196
Boron	mg/L	1.3	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	9.6	0.3	NA	7-26-96	353.2
Total Kjeldahl Nitrogen	mg/L	ND	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-14 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 73.08 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 610317-05

TIME SAMPLED: 1030 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.56	10-4-96
Well Casing Volume	------	gal.	0.42	10-4-96
Pump Rate	--------	gal./min.	0.07	10-4-96
Pump Period	72004	min.	23	10-4-96
Volume Evacuated	73675	gal.	1.50	10-4-96
Well Sampling Method	84077	------	BLDRP	10-4-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004730

INDICATOR PARAMETERS MW-14

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.95	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	730	1	10-14-96	
	00095	umhos/cm				120.1/
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	330	10	10-16-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1	10-15-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-14

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	19	5.0	NA	10-9-96	8010
Trichloroethene	UG/L	490	7.5	NA	10-9-96	8010
1,1,1 Trichloroethane	UG/L	7.9	1.0	NA	10-8-96	8010
Tetrachloroethene	UG/L	1.7	0.5	NA	10-8-96	8010
Chloroform	UG/L	2.5	0.5	NA	10-8-96	8010
1,1 Dichloroethane	UG/L	0.3	0.3	NA	10-8-96	8010
1,2-Dibromoethane	UG/L	0.6	0.2	NA	10-8-96	8010
1,1,2-Trichloroethane	UG/L	0.8	0.2	NA	10-8-96	8010
cis-1,2-Dichloroethene	UG/L	0.2	0.2	NA	10-8-96	8010

ND = Not Detected
NA = Not Applicable

004733

SECTION 3

MW-15

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-15

WELL LOCATION (LONGITUDE) 106° 39' 42.6" *1

WELL LOCATION (LATITUDE) 35° 11' 23.0" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 08/23/84

DRILLING METHOD HYDRT

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 8.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4908.32

ELEV BOTTOM OF WELL CASING 4974.32 *2

ELEV BOTTOM OF SCREENED INT 4974.32 *2

ELEV OF TOP OF SCREENED INT. 4984.32

SURVEYED ELEV OF CASING TOP 5047.15 *3

SURVEYED MEASURING PT. ELEV. 5047.49 *4

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M.Wakefield

*1 Scaled from USGS 15' quad.
*2 Plugged back to this depth on 1/15/88.
*3 Not surveyed, measured from Surveyed Measuring Point Elevation.
*4 Surveyed Datum on well vault or outer protective casing.

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-15

SAMPLE DATES

		1-17-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
Elev. of G.Water	ft.	No Water	No Water	No Water	No Water
pH (Avg)	S.U.				
Spec Cond (Avg)	umhos/cm				
T.O.X. (Avg)	ug/1				
T.O.C. (Avg)	mg/1				
Chloride	mg/1				
Iron	ug/1				
Manganese	ug/1				
Phenols	ug/1				
Sodium	mg/1				
Sulfate	mg/1				
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-15

SAMPLE DATES

1-17-96	4-24-96	7-17-96	10-4-96

PARAMETERS	**UNITS**	**VALUE**			
		No Water	No Water	No Water	No Water

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-15 SAMPLE COLLECTION BY: NA

WELL DEPTH: 73.17 LABORATORY NAME: NA

DATE SAMPLED: 1-17-96 LABORATORY SAMPLE I.D. #: NA

TIME SAMPLED: NA DATE RECEIVED BY LAB: NA

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	NO H_2O	1-17-96
Well Casing Volume	--------	gal.		
Pump Rate	--------	gal./min.		
Pump Period	72004	min.		
Volume Evacuated	73675	gal.		
Well Sampling Method	84077	--------	BLDRP	
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	NA			
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	NA			
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	NA			
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	NA			
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-15

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	NA				8240
Trichloroethane		UG/L	NA				8240

004741

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-15 SAMPLE COLLECTION BY: N/A

WELL DEPTH: 73.17 LABORATORY NAME: N/A

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: N/A

TIME SAMPLED: N/A DATE RECEIVED BY LAB: N/A

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	No Water	4-24-96
Well Casing Volume	--------	gal.	N/A	
Pump Rate	--------	gal./min.	N/A	
Pump Period	72004	min.	N/A	
Volume Evacuated	73675	gal.	N/A	
Well Sampling Method	84077	--------	N/A	
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	N/A	NA		
	00400	S.U.				
						150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	N/A	1		
	00095	umhos/cm				
						120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	N/A	8		
	70354	ug/l				
						9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	N/A	0.5		
	00680	mg/l				
						415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-15

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	N/A	N/A	NA	N/A	N/A
Trichloroethene		UG/L	N/A	N/A	NA	N/A	N/A

004745

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-15 SAMPLE COLLECTION BY: JOHN M. WAKEFIELD

WELL DEPTH: 78.17 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: NA

TIME SAMPLED: NA DATE RECEIVED BY LAB: NA

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	No H_2O	7-17-96
Well Casing Volume	--------	gal.		
Pump Rate	--------	gal./min.		
Pump Period	72004	min.		
Volume Evacuated	73675	gal.		
Well Sampling Method	84077	--------	BLDRP	
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004746

INDICATOR PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	NA	NA	NA	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	NA	NA	NA	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	NA	NA	NA	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	NA	NA	NA	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-15

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
			NA - Well Dry			

ND = Not Detected
NA = Not Applicable

004749

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-15 SAMPLE COLLECTION BY: Don A. Gutierrez

WELL DEPTH: 78.17 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: NA

TIME SAMPLED: NA DATE RECEIVED BY LAB: NA

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	No H_2O	10-4-96
Well Casing Volume	-------	gal.		
Pump Rate	-------	gal./min.		
Pump Period	72004	min.		
Volume Evacuated	73675	gal.		
Well Sampling Method	84077	-------	BLDRP	
Sampler Material	-------	-------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004750

INDICATOR PARAMETERS MW-15

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	N/A	NA		
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	N/A	1		
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	N/A	8		
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	N/A	0.5		
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-15

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
			NA - Well Dry			

ND = Not Detected
NA = Not Applicable

004753

SECTION 4

MW-16

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-16

WELL LOCATION (LONGITUDE) 106° 39' 38.2" *1

WELL LOCATION (LATITUDE) 35° 11' 21.6" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 11/16/84

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.0

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4975.98

ELEV BOTTOM OF WELL CASING 4975.98

ELEV BOTTOM OF SCREENED INT 4975.98

ELEV OF TOP OF SCREENED INT. 4980.98

SURVEYED ELEV OF CASING TOP 5047.21 *2

SURVEYED MEASURING PT. ELEV. 5047.50 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-16

SAMPLE DATES

PARAMETERS	UNITS	1-16-96	4-25-96	7-17-96	10-4-96
		VALUE			
Elev. of G.Water	ft.	4979.70	4979.28	4979.45	4979.53
pH (Avg)	S.U.	7.93	7.95	8.3	7.85
Spec Cond (Avg)	umhos/cm	1030	1000	1100	1100
T.O.X. (Avg)	ug/1	730	1400	3600	5500
T.O.C. (Avg)	mg/1	0.8	1.0	1.0	2.0
Chloride	mg/1			48	
Iron	ug/1				
Manganese	ug/1			<0.01	
Phenols	ug/1				
Sodium	mg/1			58	
Sulfate	mg/1			110	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-16

PARAMETERS	UNITS	SAMPLE DATES 1-16-96	4-25-96	7-17-96	10-4-96
1,1-Dichloroethene	ug/l	93	110	170	200
Trichloroethene	ug/l	7600	9700	7400	8300
1,1,1-Trichloroethane	ug/l	1900	1200	1800	2100
Tetrachloroethene	ug/l	73	56	54	100
Benzene	ug/l	0.5			
Chloroform	ug/l	4.6	3.9		6.4
1,1 Dichloroethane	ug/l	2.9	3.0		3.0
Methylene Chloride	ug/l	4.0	3.0		
Bromoform	ug/l		1.1		
Carbon Tetrachloride	ug/l		0.7		2.4
Chlorobenzene	ug/l		1.8		5.6
Dibromochloromethane	ug/l		0.8		5.4
1,2-Dibromoethane	ug/l		1.0		6.0
cis-1,2-Dichloroethene	ug/l		0.3		
1,2-Dichloropropane	ug/l		0.3		
1,1,2,2-Tetrachloroethane	ug/l		0.6		
1,1,2-Trichloroethane	ug/l		5.2	6.8	9.3
Trans-1,3-Dichloropropene	ug/l				3.6
Chromium, total	mg/L	0.19		0.13	
Chromium, hexavalent	mg/L			0.11	
Chromium, trivalent	mg/L			0.02	
Boron	mg/L			0.53	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			4.4	
Total Kjeldahl Nitrogen	mg/L			<0.5	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-16 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 71.52 LABORATORY NAME: ATI

DATE SAMPLED: 1-16-96 LABORATORY SAMPLE I.D. #: 601351-02

TIME SAMPLED: 0906 DATE RECEIVED BY LAB: 1-16-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.70	1-16-96
Well Casing Volume	--------	gal.	0.60	1-16-96
Pump Rate	--------	gal./min.	0.05	1-16-96
Pump Period	72004	min.	46	1-16-96
Volume Evacuated	73675	gal.	2.5	1-16-96
Well Sampling Method	84077	--------	BLDRP	1-16-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.93	NA	1-16-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1030	1	1-18-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	730	8	1-25-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	0.8	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-16

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	93	20	NA	1-23-96	601/602
Trichloroethane		UG/L	7600	150	NA	1-24-96	601/602
1,1,1-Trichloroethane		UG/L	1900	100	NA	1-23-96	601/602
Tetrachloroethene		UG/L	73	5	NA	1-25-96	601/602
Benzene		UG/L	0.5	0.5	NA	1-22-96	601/602
Chloroform		UG/L	4.6	0.5	NA	1-22-96	601/602
1,1-Dichloroethane		UG/L	2.9	0.3	NA	1-22-96	601/602
Methylene Chloride		UG/L	4.0	2.0	NA	1-22-96	601/602
Chromium Total		MG/L	0.19	0.01	1-22-96*	1-25-96	6010

*Date Digested

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-16 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 71.52 LABORATORY NAME: AEN

DATE SAMPLED: 4-25-96 LABORATORY SAMPLE I.D. #: 604404-02

TIME SAMPLED: 1417 DATE RECEIVED BY LAB: 4-25-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.28	4-25-96
Well Casing Volume	--------	gal.	0.54	4-25-96
Pump Rate	--------	gal./min.	0.03	4-25-96
Pump Period	72004	min.	59	4-25-96
Volume Evacuated	73675	gal.	1.9	4-25-96
Well Sampling Method	84077	--------	BLDRP	4-25-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.95	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1000	1	5-2-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	1400	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1	1	5-6-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-16

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	110	5.0	NA	5-2-96	8010
Trichloroethene		UG/L	9700	150	NA	5-2-96	8010
1,1,1 Trichloroethane		UG/L	1200	100	NA	5-7-96	8010
Tetrachloroethene		UG/L	56	13	NA	5-2-96	8010
Chloroform		UG/L	3.9	0.5	NA	5-2-96	8010
1,1-Dichloroethane		UG/L	3.0	0.3	NA	5-2-96	8010
Methylene Chloride		UG/L	3.0	2.0	NA	5-2-96	8010
Bromoform		UG/L	1.1	0.5	NA	5-2-96	8010
Carbon Tetrachloride		UG/L	0.7	0.2	NA	5-2-96	8010
Chlorobenzene		UG/L	1.8	0.5	NA	5-2-96	8010
Dibromochloromethane		UG/L	0.8	0.2	NA	5-2-96	8010
1,2-Dibromoethane		UG/L	1.0	0.2	NA	5-2-96	8010
Cis-1,2-Dichloroethene		UG/L	0.3	0.2	NA	5-2-96	8010
1,2-Dichloropropane		UG/L	0.3	0.2	NA	5-2-96	8010
1,1,2,2Tetrachloroethane		UG/L	0.6	0.5	NA	5-2-96	8010
1,1,2-Trichloroethane		UG/L	5.2	0.2	NA	5-2-96	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-16 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 71.52 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-06

TIME SAMPLED: 1213 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.45	7-17-96
Well Casing Volume	--------	gal.	0.57	7-17-96
Pump Rate	--------	gal./min.	0.04	7-17-96
Pump Period	72004	min.	52	7-17-96
Volume Evacuated	73675	gal.	1.80	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004766

INDICATOR PARAMETERS

MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.3	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1100	1.0	7-22-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	3600	10.0	7-23-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	7-25-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

004767

GROUND WATER QUALITY PARAMETERS MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	48	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	ND	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	58	0.2	7-30-96	200.7
Sulfate	00945	mg/l	110	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-16

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	170	5.0	NA	7-30-96	8240
Trichloroethene	UG/L	7400	5.0	NA	7-31-96	8240
1,1,1 Trichloroethane	UG/L	1800	5.0	NA	7-31-96	8240
Tetrachloroethene	UG/L	54	5.0	NA	7-30-96	8240
1,1,2 Trichloroethane	UG/L	6.8	5.0	NA	7-30-96	8240
Chromium, total	mg/L	0.13	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	0.11	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	0.02	0.02	NA	7-18-96	7196
Boron	mg/L	0.53	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	4.4	0.1	NA	7-17-96	353.2
Total Kjeldahl Nitrogen	mg/L	ND	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

INTERIM STATUS MONITORING WELL
SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-16 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 71.52 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 610317-09

TIME SAMPLED: 1415 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.53	10-4-96
Well Casing Volume	-------	gal.	0.58	10-4-96
Pump Rate	-------	gal./min.	0.05	10-4-96
Pump Period	72004	min.	43	10-4-96
Volume Evacuated	73675	gal.	1.75	10-4-96
Well Sampling Method	84077	-------	BLDRP	10-4-96
Sampler Material	-------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004770

INDICATOR PARAMETERS

MW-16

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.85	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	1100	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	5500	10	10-21-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1.0	10-15-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

004771

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-16

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	200	20	NA	10-9-96	8010
Trichloroethene	UG/L	8300	300	NA	10-9-96	8010
1,1,1 Trichloroethane	UG/L	2100	1000	NA	10-9-96	8010
Tetrachloroethene	UG/L	100	0.5	NA	10-9-96	8010
Chlorobenzene	UG/L	5.6	0.5	NA	10-9-96	8010
Chloroform	UG/L	6.4	0.5	NA	10-9-96	8010
1,1 Dichloroethane	UG/L	3.0	0.3	NA	10-9-96	8010
Carbon Tetrachloride	UG/L	2.4	2.0	NA	10-9-96	8010
Dibromochloromethane	UG/L	5.4	0.2	NA	10-9-96	8010
1,2-Dibromoethane	UG/L	6.0	0.2	NA	10-9-96	8010
trans-1,3-Dichloropropene	UG/L	3.6	0.2	NA	10-9-96	8010
1,1,2-Trichloroethanee	UG/L	9.3	0.2	NA	10-9-96	8010

ND = Not Detected
NA = Not Applicable

004773

SECTION 5

MW-19

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-19

WELL LOCATION (LONGITUDE) 106° 39' 42.4" *1

WELL LOCATION (LATITUDE) 35° 11' 20.5" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 09/24/86

DRILLING METHOD HYDRT

INNER CASING DIAMETER 4.0

BOREHOLE DIAMETER 7.9

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4932.32

ELEV BOTTOM OF WELL CASING 4934.82

ELEV BOTTOM OF SCREENED INT 4934.82

ELEV OF TOP OF SCREENED INT. 4944.82

SURVEYED ELEV OF CASING TOP 5045.48 *2

SURVEYED MEASURING PT. ELEV. 5046.25 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M.Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-19

SAMPLE DATES

		1-17-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
Elev. of G.Water	ft.	4973.16	4973.16	4973.16	4973.16
pH (Avg)	S.U.	8.42	7.69	8.3	7.36
Spec Cond (Avg)	umhos/cm	634	740	610	740
T.O.X. (Avg)	ug/1	17	25	14.0	20
T.O.C. (Avg)	mg/1	0.8	<1.0	1.0	<1.0
Chloride	mg/1			26	
Iron	ug/1				
Manganese	ug/1			0.01	
Phenols	ug/1				
Sodium	mg/1			0.2	
Sulfate	mg/1			50	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-19

		SAMPLE DATES			
		1-17-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	0.7	1.5	1.1	0.5
Trichloroethene	ug/l	24	88	11	8.0
1,1,1-Trichloroethane	ug/l	<1.0	<1.0	<1.0	<1.0
Chromium, total	mg/L	<0.01		<0.01	
Chromium, hexavalent	mg/L			<0.05	
Chromium, trivalent	mg/L			<0.02	
Boron	mg/L			0.13	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			<0.1	
Total Kjeldahl Nitrogen	mg/L			<0.5	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-19 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 111.42 LABORATORY NAME: ATI

DATE SAMPLED: 1-17-96 LABORATORY SAMPLE I.D. #: 601356-01

TIME SAMPLED: 0947 DATE RECEIVED BY LAB: 1-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.16	1-17-96
Well Casing Volume	--------	gal.	25.03	1-17-96
Pump Rate	--------	gal./min.	0.85	1-17-96
Pump Period	72004	min.	108	1-17-96
Volume Evacuated	73675	gal.	79.5	1-17-96
Well Sampling Method	84077	--------	BLDRP	1-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.42	NA	1-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	634	1	1-31-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	17	8	1-24-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	0.8	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-19

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	0.7	0.2	NA	1-23-96	601/602
Trichloroethane		UG/L	24	1.5	NA	1-24-96	601/602
Chromium Total		MG/L	<0.01	0.01	1-22-96	1-25-96	6010

*Date Digested

004781

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-19 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 111.42 LABORATORY NAME: AEN

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: 604401-08

TIME SAMPLED: 1256 DATE RECEIVED BY LAB: 4-24-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.16	4-24-96
Well Casing Volume	--------	gal.	25.03	4-24-96
Pump Rate	--------	gal./min.	0.84	4-24-96
Pump Period	72004	min.	91	4-24-96
Volume Evacuated	73675	gal.	76	4-24-96
Well Sampling Method	84077	--------	BLDRP	4-24-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.69	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	740	1	4-26-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	25	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1	1	5-6-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-19

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	1.5	0.2	NA	4-30-96	8010
Trichloroethene		UG/L	88	1.5	NA	5-1-96	8010

004785

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-19 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 111.43 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-01

TIME SAMPLED: 0905 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.16	7-17-96
Well Casing Volume	--------	gal.	25.03	7-17-96
Pump Rate	--------	gal./min.	0.84	7-17-96
Pump Period	72004	min.	97	7-17-96
Volume Evacuated	73675	gal.	81.0	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004786

INDICATOR PARAMETERS MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.3	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	610	1.0	7-22-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	14.0	10.0	7-19-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	7-25-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	26	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	0.01	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	56	0.2	7-30-96	200.7
Sulfate	00945	mg/l	96	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-19

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	1.1	1.0	NA	7-30-96	8240
Trichloroethene	UG/L	11	1.0	NA	7-30-96	8240
1,1,1 Trichloroethane	UG/L	<1.0	1.0	NA	7-30-96	8240
Chromium, total	mg/L	ND	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	<0.05	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	<0.02	0.02	NA	7-18-96	7196
Boron	mg/L	0.13	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	2.1	0.1	NA	7-17-96	353.2
Total Kjeldahl Nitrogen	mg/L	ND	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

004789

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-19 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 111.43 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 607333-01

TIME SAMPLED: 0923 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.16	10-4-96
Well Casing Volume	-------	gal.	25.03	10-4-96
Pump Rate	-------	gal./min.	0.69	10-4-96
Pump Period	72004	min.	110	10-4-96
Volume Evacuated	73675	gal.	76	10-4-96
Well Sampling Method	84077	-------	BLDRP	10-4-96
Sampler Material	-------	-------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004790

INDICATOR PARAMETERS

MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.36	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	740	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	20	10	10-16-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	10-15-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-19

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	0.5	0.2	NA	10-7-96	8010
Trichloroethene	UG/L	8.0	0.3	NA	10-7-96	8010
1,1,1 Trichloroethane	UG/L	<1.0	1.0	NA	10-7-96	8010

ND = Not Detected
NA = Not Applicable

004793

SECTION 6

MW-20

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-20

WELL LOCATION (LONGITUDE) 106° 39' 42.7" *1

WELL LOCATION (LATITUDE) 35° 11' 20.6" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 09/27/86

DRILLING METHOD HYDRT

INNER CASING DIAMETER 4.0

BOREHOLE DIAMETER 7.9

CASING MATERIAL PVC

METHOD OF DEVELOPMENT COMPR

ELEV BOTTOM OF BOREHOLE 4906.49

ELEV BOTTOM OF WELL CASING 4906.79

ELEV BOTTOM OF SCREENED INT 4906.79

ELEV OF TOP OF SCREENED INT. 4919.79

SURVEYED ELEV OF CASING TOP 5045.06 *2

SURVEYED MEASURING PT. ELEV. 5045.79 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M. Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

004795

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-20

SAMPLE DATES

PARAMETERS	UNITS	1-17-96	4-24-96	7-17-96	10-4-96
		VALUE			
Elev. of G.Water	ft.	4972.74	4972.82	4972.74	4972.74
pH (Avg)	S.U.	8.29	7.67	8.0	7.43
Spec Cond (Avg)	umhos/cm	545	620	670	660
T.O.X. (Avg)	ug/1	8.0	<10	<10	20
T.O.C. (Avg)	mg/1	1.0	1.0	1.0	1.0
Chloride	mg/1			25	
Iron	ug/1				
Manganese	ug/1			0.84	
Phenols	ug/1				
Sodium	mg/1			47	
Sulfate	mg/1			79	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-20

		SAMPLE DATES			
		1-17-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	<0.2	<0.2	<1.0	<0.2
Trichloroethene	ug/l	1.3	0.4	<1.0	0.4
1,1,1-Trichloroethane	ug/l	<1.0	<1.0	<1.0	<1.0
1,2-Dibromoethane	ug/l				0.6
Chromium, total	mg/L	<0.01		<0.01	
Chromium, hexavalent	mg/L			<0.05	
Chromium, trivalent	mg/L			<0.02	
Boron	mg/L			0.10	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			1.1	
Total Kjeldahl Nitrogen	mg/L			<0.5	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-20 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 139.00 LABORATORY NAME: ATI

DATE SAMPLED: 1-17-96 LABORATORY SAMPLE I.D. #: 601356-02

TIME SAMPLED: 0950 DATE RECEIVED BY LAB: 1-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.74	1-17-96
Well Casing Volume	--------	gal.	43.05	1-17-96
Pump Rate	--------	gal./min.	1.28	1-17-96
Pump Period	72004	min.	114	1-17-96
Volume Evacuated	73675	gal.	133.75	1-17-96
Well Sampling Method	84077	--------	BLDRP	1-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.29	NA	1-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	545	1	1-31-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	8	8	1-24-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-20

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	<0.2	0.2	NA	1-23-96	601/602
Trichloroethane		UG/L	1.3	0.3	NA	1-23-96	601/602
Chromium Total		MG/L	<0.01	0.01	1-22-96*	1-25-96	6010

*Date Digested

004801

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-20 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 139.00 LABORATORY NAME: AEN

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: 604401-09

TIME SAMPLED: 1322 DATE RECEIVED BY LAB: 4-24-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.82	4-24-96
Well Casing Volume	--------	gal.	43.10	4-24-96
Pump Rate	--------	gal./min.	1.09	4-24-96
Pump Period	72004	min.	121	4-24-96
Volume Evacuated	73675	gal.	131	4-24-96
Well Sampling Method	84077	--------	BLDRP	4-24-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.67	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	620	1	4-26-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	<10	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1	5-6-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-20

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	<0.2	20	NA	4-30-96	8010
Trichloroethene		UG/L	0.4	150	NA	4-30-96	8010

004805

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-20 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 139.00 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-02

TIME SAMPLED: 0920 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.74	7-17-96
Well Casing Volume	--------	gal.	43.05	7-17-96
Pump Rate	--------	gal./min.	1.19	7-17-96
Pump Period	72004	min.	111	7-17-96
Volume Evacuated	73675	gal.	132	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004806

INDICATOR PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.0	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	670	1.0	7-22-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	ND	10.0	7-20-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	7-25-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	25	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	0.84	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	47	0.2	7-30-96	200.7
Sulfate	00945	mg/l	79	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

004808

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-20

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	<1.0	1.0	NA	7-30-96	8240
Trichloroethene	UG/L	<1.0	1.0	NA	7-30-96	8240
1,1,1 Trichloroethane	UG/L	<1.0	1.0	NA	7-30-96	8240
Chromium, total	mg/L	ND	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	<0.05	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	<0.02	0.02	NA	7-18-96	7196
Boron	mg/L	0.10	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	1.1	0.1	NA	7-17-96	353.2
Total Kjeldahl Nitrogen	mg/L	ND	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

004809

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-20 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 139.00 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 607333-02

TIME SAMPLED: 0938 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.74	10-4-96
Well Casing Volume	------	gal.	43.05	10-4-96
Pump Rate	-------	gal./min.	1.08	10-4-96
Pump Period	72004	min.	121	10-4-96
Volume Evacuated	73675	gal.	131	10-4-96
Well Sampling Method	84077	-------	BLDRP	10-4-96
Sampler Material	-------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004810

INDICATOR PARAMETERS

MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.43	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	660	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	20	10	10-16-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	10-15-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-20

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-95

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

004812

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-20

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	<0.2	0.2	NA	10-7-96	8010
Trichloroethene	UG/L	0.4	0.3	NA	10-7-96	8010
1,1,1 Trichloroethane	UG/L	<1.0	1.0	NA	10-7-96	8010
1,2-Dibromoethane	UG/L	0.6	0.2	NA	10-7-96	8010

ND = Not Detected
NA = Not Applicable

004813

SECTION 7

MW-21

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-21

WELL LOCATION (LONGITUDE) 106° 39' 40.2" *1

WELL LOCATION (LATITUDE) 35° 11' 22.4" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 08/06/86

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.5

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4977.80

ELEV BOTTOM OF WELL CASING 4977.80

ELEV BOTTOM OF SCREENED INT 4977.80

ELEV OF TOP OF SCREENED INT. 4982.80

SURVEYED ELEV OF CASING TOP 5047.72 *2

SURVEYED MEASURING PT. ELEV. 5048.36 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** John M. Wakefield

NAME (TYPED) John M.Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-21

SAMPLE DATES

		1-12-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
Elev. of G.Water	ft.	4979.68	4978.93	4979.18	4979.26
pH (Avg)	S.U.	8.12	7.87	8.3	7.72
Spec Cond (Avg)	umhos/cm	543	580	610	610
T.O.X. (Avg)	ug/1	192	130	230	70
T.O.C. (Avg)	mg/1	0.6	<1.0	1.0	<1.0
Chloride	mg/1			17	
Iron	ug/1				
Manganese	ug/1			<0.01	
Phenols	ug/1				
Sodium	mg/1			43	
Sulfate	mg/1			82	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-21

		SAMPLE DATES			
		1-12-96	4-24-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	10	5.6	11	6.4
Trichloroethene	ug/l	220	140	180	150
1,1,1-Trichloroethane	ug/l	95	65	72	48
Tetrachloroethene	ug/l		1.7	1.4	1.3
Carbon Tetrachloride	ug/l				0.2
Chromium, total	mg/L	<0.01		<0.01	
Chromium, hexavalent	mg/L			<0.05	
Chromium, trivalent	mg/L			<0.01	
Boron	mg/L			0.13	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			2.8	
Total Kjeldahl Nitrogen	mg/L			<0.5	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-21 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 70.56 LABORATORY NAME: ATI

DATE SAMPLED: 1-12-96 LABORATORY SAMPLE I.D. #: 601346-07

TIME SAMPLED: 1542 DATE RECEIVED BY LAB: 1-12-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.68	1-12-96
Well Casing Volume	--------	gal.	0.31	1-12-96
Pump Rate	--------	gal./min.	0.02	1-12-96
Pump Period	72004	min.	42	1-12-96
Volume Evacuated	73675	gal.	1.0	1-12-96
Well Sampling Method	84077	--------	BLDRP	1-12-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.12	NA	1-12-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	543	1	1-18-96	
	00095	umhos/cm				9050
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	192	8	1-19-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	0.6	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-21

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	10	0.2	NA	1-23-96	601/602
Trichloroethane		UG/L	220	6.0	NA	1-22-96	601/602
1,1,1-Trichloroethane		UG/L	95	20	NA	1-22-96	601/602
Chromium Total		MG/L	<0.01	0.01	1-16-96*	1-18-96	6010

*Date Extracted

004821

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-21 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 70.56 LABORATORY NAME: AEN

DATE SAMPLED: 4-24-96 LABORATORY SAMPLE I.D. #: 604401-12

TIME SAMPLED: 1433 DATE RECEIVED BY LAB: 4-24-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.93	4-24-96
Well Casing Volume	--------	gal.	0.18	4-24-96
Pump Rate	--------	gal./min.	0.02	4-24-96
Pump Period	72004	min.	30	4-24-96
Volume Evacuated	73675	gal.	0.60	4-24-96
Well Sampling Method	84077	--------	BLDRP	4-24-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.87	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	580	1	4-26-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	130	10	5-8-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1	1	5-6-96	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-21

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	5.6	0.2	NA	4-26-96	8010
Trichloroethene		UG/L	140	3.0	NA	4-30-96	8010
1,1,1-Trichloroethane		UG/L	65	10	NA	4-30-96	8010
Tetrachloroethene		UG/L	1.7	0.5	NA	4-26-96	8010

004825

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-21 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 70.56 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-05

TIME SAMPLED: 1315 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.18	7-17-96
Well Casing Volume	--------	gal.	0.9	7-17-96
Pump Rate	--------	gal./min.	0.02	7-17-96
Pump Period	72004	min.	141	7-17-96
Volume Evacuated	73675	gal.	2.80	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004826

INDICATOR PARAMETERS

MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.3	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	610	1.0	7-22-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	230	100	7-23-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	7-25-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

004827

GROUND WATER QUALITY PARAMETERS

MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	17	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	ND	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	43	0.2	7-30-96	200.7
Sulfate	00945	mg/l	82	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

004828

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-21

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	11	1.0	NA	7-31-96	8240
Trichloroethene	UG/L	180	1.0	NA	7-31-96	8240
1,1,1 Trichloroethane	UG/L	72	1.0	NA	7-31-96	8240
Tetrachloroethene	UG/L	1.4	1.0	NA	7-31-96	8240
Chromium, total	mg/L	ND	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	<0.05	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	<0.02	0.02	NA	7-18-96	7196
Boron	mg/L	0.13	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	2.8	0.1	NA	7-17-96	353.2
Total Kjeldahl Nitrogen	mg/L	ND	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

004829

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-21 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 70.56 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 610317-08

TIME SAMPLED: 1247 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.26	10-4-96
Well Casing Volume	------	gal.	0.24	10-4-96
Pump Rate	------	gal./min.	0.01	10-4-96
Pump Period	72004	min.	57	10-4-96
Volume Evacuated	73675	gal.	0.75	10-4-96
Well Sampling Method	84077	------	BLDRP	10-4-96
Sampler Material	------	------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004830

INDICATOR PARAMETERS MW-21

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.72	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	610	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	70	10	10-17-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	10-15-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-21

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-21

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	6.4	0.2	NA	10-8-96	8010
Trichloroethene	UG/L	150	7.5	NA	10-9-96	8010
1,1,1 Trichloroethane	UG/L	48	25	NA	10-9-96	8010
Tetrachloroethene	UG/L	1.3	0.5	NA	10-8-96	8010
Carbon Tetrachloride	UG/L	0.2	0.2	NA	10-8-96	8010

ND = Not Detected
NA = Not Applicable

004833

SECTION 8

MW-22

ANNUAL SUMMARY AND QUARTERLY REPORTS

MONITORING WELL IDENTIFICATION REPORT

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

COUNTY BERNALILLO

WELL NUMBER MW-22

WELL LOCATION (LONGITUDE) 106° 39' 35.8" *1

WELL LOCATION (LATITUDE) 35° 11' 20.6" *1

AQUIFER NAME RIO GRANDE ALLUVIAL

AQUIFER CONFINED _____ UNCONFINED X

WELL INSTALLATION DATE 08/08/86

DRILLING METHOD HLWAG

INNER CASING DIAMETER 2.0

BOREHOLE DIAMETER 7.5

CASING MATERIAL PVC

METHOD OF DEVELOPMENT BAILD

ELEV BOTTOM OF BOREHOLE 4970.51

ELEV BOTTOM OF WELL CASING 4972.01

ELEV BOTTOM OF SCREENED INT 4972.01

ELEV OF TOP OF SCREENED INT. 4977.01

SURVEYED ELEV OF CASING TOP 5047.41 *2

SURVEYED MEASURING PT. ELEV. 5048.06 *3

DATE OF REPORT: 1-30-97 **SIGNATURE:** _____

NAME (TYPED) John M.Wakefield

*1 Scaled from USGS 15' quad.
*2 Not surveyed, measured from Surveyed Measuring Point Elevation.
*3 Surveyed Datum on well vault or outer protective casing.

b:wellid/bass

ANNUAL SUMMARY OF MONITOR WELL DATA FOR ASSESSMENT MONITORING

This form is for annual presentation of data by all facilities operating under interim status. [HWMR-5, Part VI, Section 265.93(f) and 265.4(b)].

NEW MEXICO ENVIRONMENTAL DEPARTMENT
HAZARDOUS & RADIOACTIVE MATERIALS BUREAU
P.O. BOX 26110
525 CAMINO DE LOS MARQUEZ
SANTA FE, NEW MEXICO 87502

FACILITY NAME SPARTON TECHNOLOGY, INC.

EPA I.D. NUMBER NMD083212332

WELL NUMBER MW-22

SAMPLE DATES

1-16-96	4-25-96	7-17-96	10-4-96

PARAMETERS	UNITS	VALUE			
Elev. of G.Water	ft.	4978.64	4978.64	4979.06	4978.97
pH (Avg)	S.U.	7.96	7.50	8.1	7.55
Spec Cond (Avg)	umhos/cm	644	710	700	720
T.O.X. (Avg)	ug/1	<8.0	80	250	50
T.O.C. (Avg)	mg/1	1.0	2	<1.0	<1.0
Chloride	mg/1			19	
Iron	ug/1				
Manganese	ug/1			<0.01	
Phenols	ug/1				
Sodium	mg/1			44	
Sulfate	mg/1			70	
Turbidity	NTU				

APPENDIX IX PARAMETERS
MW-22

		SAMPLE DATES			
		1-16-96	4-25-96	7-17-96	10-4-96
PARAMETERS	**UNITS**	**VALUE**			
1,1-Dichloroethene	ug/l	6.2	9.2	9.0	8.0
Trichloroethene	ug/l	46	81	430	33
1,1,1-Trichloroethane	ug/l	29	43	26	22
Tetrachloroethene	ug/l	0.5	1.3		
Carbon Tetrachloride	ug/l				0.2
Chromium, total	mg/L	<0.01		<0.01	
Chromium, hexavalent	mg/L			<0.05	
Chromium, trivalent	mg/L			<0.02	
Boron	mg/L			0.19	
Nickel	mg/L			<0.02	
Nitrite-Nitrate Nitrogen	mg/L			5.0	
Total Kjeldahl Nitrogen	mg/L			0.8	

DATE OF REPORT: 1/30/97

SIGNATURE: John M. Wakefield

NAME (TYPED): John M. Wakefield

b:asses.1/bas

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. FIRST QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-22 SAMPLE COLLECTION BY: PETER H. METZNER

WELL DEPTH: 76.05 LABORATORY NAME: ATI

DATE SAMPLED: 1-16-96 LABORATORY SAMPLE I.D. #: 601351-01

TIME SAMPLED: 0850 DATE RECEIVED BY LAB: 1-16-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.64	1-16-96
Well Casing Volume	--------	gal.	1.08	1-16-96
Pump Rate	--------	gal./min.	0.13	1-16-96
Pump Period	72004	min.	30	1-16-96
Volume Evacuated	73675	gal.	4.0	1-16-96
Well Sampling Method	84077	--------	BLDRP	1-16-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.96	NA	1-16-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	644	1	1-18-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	<8	8	1-25-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	0.5	1-24-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 4-16-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-22

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	6.2	0.2	NA	1-22-96	601/602
Trichloroethane		UG/L	46	1.5	NA	1-23-96	601/602
1,1,1-Trichloroethane		UG/L	29	5	NA	1-23-96	601/602
Tetrachloroethene		UG/L	0.5	0.5	NA	1-22-96	601/602
Chromium Total		MG/L	<0.01	0.01	1-22-96*	1-25-96	6010

*Date Digested

004841

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. SECOND QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-22 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 76.05 LABORATORY NAME: AEN

DATE SAMPLED: 4-25.96 LABORATORY SAMPLE I.D. #: 604404-01

TIME SAMPLED: 1254 DATE RECEIVED BY LAB: 4-25-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.64	4-25-96
Well Casing Volume	--------	gal.	1.08	4-25-96
Pump Rate	--------	gal./min.	0.12	4-25-96
Pump Period	72004	min.	34	4-25-96
Volume Evacuated	73675	gal.	4.0	4-25-96
Well Sampling Method	84077	--------	BLDRP	4-25-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

INDICATOR PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.50	NA	4-25-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	710	1	5-2-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	80	10	5-1-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2	1	5-10-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 7-23-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-22

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene		UG/L	9.2	0.2	NA	4-29-96	8010
Trichloroethene		UG/L	81	3.0	NA	5-1-96	8010
1,1,1 Trichloroethane		UG/L	43	10	NA	5-1-96	8010
Tetrachloroethene		UG/L	1.3	5.0	NA	4-29-96	8010

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. THIRD QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-22 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 76.05 LABORATORY NAME: AEN

DATE SAMPLED: 7-17-96 LABORATORY SAMPLE I.D. #: 607333-07

TIME SAMPLED: 1330 DATE RECEIVED BY LAB: 7-17-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.06	7-17-96
Well Casing Volume	--------	gal.	1.15	7-17-96
Pump Rate	--------	gal./min.	0.13	7-17-96
Pump Period	72004	min.	31	7-17-96
Volume Evacuated	73675	gal.	3.75	7-17-96
Well Sampling Method	84077	--------	BLDRP	7-17-96
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004846

INDICATOR PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	8.1	NA	7-18-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	700	1.0	7-22-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	250	10.0	7-29-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	ND	1.0	7-25-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	19	1.0	7-29-96	325.3
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	ND	0.01	7-30-96	200.7
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	44	0.2	7-30-96	200.7
Sulfate	00945	mg/l	70	50	7-22-96	375.4
Turbidity		NTU	NA			

DATE OF THIS REPORT: 9-26-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-22

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	9.0	5.0	NA	7-30-96	8240
Trichloroethene	UG/L	43	5.0	NA	7-30-96	8240
1,1,1 Trichloroethane	UG/L	26	5.0	NA	7-30-96	8240
Chromium, total	mg/L	ND	0.01	NA	7-30-96	200.7
Chromium, hexavalent	mg/L	<0.05	0.05	NA	7-17-96	SM3500-CRD
Chromium, trivalent	mg/L	<0.02	0.02	NA	7-18-96	7196
Boron	mg/L	0.19	0.09	NA	7-30-96	200.7
Nickel	mg/L	ND	0.02	NA	7-30-96	200.7
Nitrite-Nitrate Nitrogen	mg/L	5.0	0.3	NA	7-26-96	353.2
Total Kjeldahl Nitrogen	mg/L	0.8	0.5	NA	7-29-96	351.2

ND = Not Detected
NA = Not Applicable

INTERIM STATUS MONITORING WELL SAMPLING AND DATA SHEETS

ASSESSMENT QUARTERLY REPORT AND ANNUAL SUMMARY

This set of data sheets is for use by all facilities in assessment monitoring. [HWMR-5, Part VI, Section 265.93(d) (4), (5) and (7) (e) and (f), and Section 265.94(b).]

ENVIRONMENTAL IMPROVEMENT DIVISION
HAZARDOUS WASTE SECTION
1190 ST. FRANCIS DR./HAROLD RUNNELS BLDG.
SANTA FE, NEW MEXICO 87503

FACILITY NAME: SPARTON TECHNOLOGY, INC. 4th QUARTER 1996

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-22 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 76.05 LABORATORY NAME: AEN

DATE SAMPLED: 10-4-96 LABORATORY SAMPLE I.D. #: 610317-07

TIME SAMPLED: 1145 DATE RECEIVED BY LAB: 10-4-96

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4978.97	10-4-96
Well Casing Volume	-------	gal.	1.13	10-4-96
Pump Rate	-------	gal./min.	0.10	10-4-96
Pump Period	72004	min.	34	10-4-96
Volume Evacuated	73675	gal.	3.5	10-4-96
Well Sampling Method	84077	-------	BLDRP	10-4-96
Sampler Material	-------	-------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

004850

INDICATOR PARAMETERS

MW-22

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
pH	00400	S.U.	7.55	NA	10-4-96	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	720	1	10-14-96	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	50	10	10-17-96	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	<1.0	1.0	10-15-96	
	00680	mg/l				415.2
	00680	mg/l				
	00680	mg/l				

NA = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Chloride	00940	mg/l	NA			
Iron	01045	ug/l	NA			
Manganese	71883	ug/l	NA			
Phenols	32730	ug/l	NA			
Sodium	00929	mg/l	NA			
Sulfate	00945	mg/l	NA			
Turbidity		NTU	NA			

DATE OF THIS REPORT: 12-10-96

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

NA = Not Applicable

MONITORING WELL APPENDIX VI OR IX FOR FACILITIES IN ASSESSMENT

MW-22

Under assessment monitoring as per HWMR-5 Part VI Section 265.93(d) (4), (5) and (7) and 42 Federal Register, 25942 (July 9, 1987), please list values for the Appendix VII or IX parameters which were found in your Appendix IX scan.

PARAMETER	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	8.0	0.2	NA	10-8-96	8010
Trichloroethene	UG/L	33	3	NA	10-9-96	8010
1,1,1 Trichloroethane	UG/L	22	10	NA	10-9-96	8010
Carbon Tetrachloride	UG/L	0.2	0.2	NA	10-8-96	8010

ND = Not Detected
NA = Not Applicable

004853

SECTION 9

FIRST QUARTER, 1996

LABORATORY REPORT

STI-NMED SS 1Q 1996 Rec. 2-5-96
M601/602 = 8010/8020, Cr(+) + AGMP
MW-63,59,31,40,49,14,21, TB

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **601346**

January 31, 1996

Sparton Technology Inc.
4901 Rockaway Blvd NE
Rio Rancho, NM 87124-4469

Project Name/Number: STINMEDSS-1 010895

Attention: John M. Wakefield

On **01/12/96**, Analytical Technologies, of New Mexico Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** 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.

TOC and TOX analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

EPA methods 601, 602 and pH (150.1) analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 17400 SW Upper Boones Ferry Road, Suite 270, Durham, OR.

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

AnalyticalTechnologies,Inc.

CLIENT : SPARTON TECHNOLOGY DATE RECEIVED : 01/12/96

PROJECT # : 010895

PROJECT NAME : STINMEDSS-1 REPORT DATE : 01/31/96

ATI ID: 601346

ATI PORTLAND ID #	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
601572-01	601346-01	MW-63	AQUEOUS	01/12/96
601572-02	601346-02	MW-59	AQUEOUS	01/12/96
601572-03	601346-03	MW-31	AQUEOUS	01/12/96
601572-04	601346-04	MW-40	AQUEOUS	01/12/96
601572-05	601346-05	MW-49	AQUEOUS	01/12/96
601572-06	601346-06	MW-14	AQUEOUS	01/12/96
601572-07	601346-07	MW-21	AQUEOUS	01/12/96
601572-08	601346-08	TRIP BLANK	AQUEOUS	12/27/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	8

ATI 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.

AnalyticalTechnologies,Inc.

CLIENT : SPARTON TECHNOLOGY INC.
ATI ACCESSION #: 601346

METHOD	TEST	DATE ANALYZED	DETECTION LIMIT	ANALYST INITIALS
150.1	pH	01/12/96	-	DJ
9050	Electrical Conductivity	01/18/96	umhos	JG
601/602	Chlorinated & Aromatic Hydrocarbons	01/19,20,22,23/96	see appended page	MG
415.2	Total Organic Carbon	01/24/96	0.5 mg/L	MH
9020	Total Organic Halide	01/19/96	0.008 mg/L	MH
6010	Chromium	01/18/96	0.01 mg/L	SS

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601346

ATI'S DETECTION LIMITS FOR METHOD 601/602-AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	0.5
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.3
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
ETHYLBENZENE	0.5
METHYL-t-BUTYL ETHER	2.5
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
TOLUENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.3
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5
TOTAL XYLENES	0.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601346

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
20X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	10
BROMODICHLOROMETHANE	4.0
BROMOFORM	10
BROMOMETHANE	20
CARBON TETRACHLORIDE	4.0
CHLOROBENZENE	10
CHLOROETHANE	10
CHLOROFORM	10
CHLOROMETHANE	20
DIBROMOCHLOROMETHANE	4.0
1,2-DIBROMOETHANE (EDB)	4.0
1,2-DICHLOROBENZENE	10
1,3-DICHLOROBENZENE	10
1,4-DICHLOROBENZENE	10
1,1-DICHLOROETHANE	6.0
1,2-DICHLOROETHANE (EDC)	10
1,1-DICHLOROETHENE	4.0
CIS-1,2-DICHLOROETHENE	4.0
TRANS-1,2-DICHLOROETHENE	20
1,2-DICHLOROPROPANE	4.0
CIS-1,3-DICHLOROPROPENE	4.0
TRANS-1,3-DICHLOROPROPENE	4.0
ETHYLBENZENE	10
METHYL-t-BUTYL ETHER	50
METHYLENE CHLORIDE	40
1,1,2,2-TETRACHLOROETHANE	4.0
TETRACHLOROETHENE	10
TOLUENE	10
1,1,1-TRICHLOROETHANE	20
1,1,2-TRICHLOROETHANE	4.0
TRICHLOROETHENE	6.0
TRICHLOROFLUOROMETHANE	4.0
VINYL CHLORIDE	10
TOTAL XYLENES	

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY	ATI I.D.	: 601346
PROJECT #	: 010895	DATE RECEIVED	: 01/12/96
PROJECT NAME	: STINMEDSS-1	DATE ANALYZED	: 01/12/96

PARAMETER	UNITS	06	07
PH (150.1)	UNITS	8.50	8.12

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1

ATI I.D. : 601346
SAMPLE MATRIX : AQUEOUS

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	60134606	8.50	8.50	0	NA	NA	NA

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

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

AnalyticalTechnologies, Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601346
Project Name: STINMEDSS-1 QTR 96

ATI I.D.: 6011

Analysis	Technique/Description
EPA 415.2 (TOTAL ORGANIC CARBON)	TOTAL ORGANIC CARBON ANALYZER
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601346 ATI I.D.: 60113
Project Name: STINMEDSS-1 QTR 96

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	601346-06	WATER	12-JAN-96	16-JAN-
2	601346-07	WATER	12-JAN-96	16-JAN-

Parameter	Units	1	2
TOTAL ORGANIC CARBON	MG/L	0.7	0.6
TOTAL ORGANIC HALIDES	MG/L	0.166	0.192

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601346 ATI I.D. : 601
Project Name: STINMEDSS-1 QTR 96

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
TOTAL ORGANIC CARBON	601098-03	MG/L	0.7	0.6	15	20.3	20.0	98
TOTAL ORGANIC HALIDES	601137-02	MG/L	<0.008	<0.008	0	0.183	0.20	92

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601346
Project Name: STINMEDSS-1 QTR 96

ATI I.D. : 6011

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
TOTAL ORGANIC CARBON	61125	MG/L	<0.5	19.3	20.0	97
TOTAL ORGANIC HALIDES	61088	MG/L	<0.008	0.091	0.10	91

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

CLIENT:	ATI-Albuquerque	ATI I.D.:	601572
PROJECT #:	601346		
PROJECT NAME:	STINMEDSS-1Qtr 96		

ANALYSIS	TECHNIQUE	REFERENCE	LAB
Chromium	ICAP	EPA 6010	PLD
Conductivity	Electrode	EPA 120.1	PLD

AnalyticalTechnologies, Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601572
PROJECT #:	601346	DATE SAMPLED:	01/12/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/16/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/16/96
		DATE ANALYZED:	01/18/96
		UNITS:	mg/L

	ATI I.D.:	601572-0	601572-1	601572-2
	Client I.D.:	Method Blank	601346-01	601346-02
PARAMETER	METHOD			
CHROMIUM	6010	< 0.01	< 0.01	< 0.01

AnalyticalTechnologies,Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601572
PROJECT #:	601346	DATE SAMPLED:	01/12/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/16/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/16/96
		DATE ANALYZED:	01/18/96
		UNITS:	mg/L

	ATI I.D.:	601572-3	601572-4	601572-5
	Client I.D.:	601346-03	601346-04	601346-05
PARAMETER	METHOD			
CHROMIUM	6010	0.09	< 0.01	< 0.01

AnalyticalTechnologies,Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601572
PROJECT #:	601346	DATE SAMPLED:	01/12/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/16/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/16/96
		DATE ANALYZED:	01/18/96
		UNITS:	mg/L

	ATI I.D.:	601572-6	601572-7
	Client I.D.:	601346-06	601346-07
PARAMETER	METHOD		
CHROMIUM	6010	1.53	< 0.01

AnalyticalTechnologies,Inc.

METALS DUPLICATE RESULTS

METHOD:	6010 series	ATI I.D.:	601572
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601571-1
PROJECT #:	601346	DATE DIGESTED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/18/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
CHROMIUM	< 0.01	< 0.01	NA	20

AnalyticalTechnologies,Inc.

METALS SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601572
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601571-1
PROJECT #:	601346	DATE DIGESTED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/18/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
CHROMIUM	< 0.01	1.00	0.96	96	75-125%

AnalyticalTechnologies,Inc.

METALS BLANK SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601572
CLIENT:	ATI-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	601346	DATE DIGESTED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/18/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SPIKE RESULT	SPIKE CONC	% RECOV	CONTROL LIMIT
CHROMIUM	0.95	1.00	95	80-120%

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

METHOD:	EPA 120.1 (Conductivity)	ATI I.D.:	601572
CLIENT:	ATI-Albuquerque	DATE SAMPLED:	01/12/96
PROJECT #:	601346	DATE RECEIVED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/18/96
SAMPLE MATRIX:	WATER	UNITS:	umhos

ATI I.D.	CLIENT I.D.	RESULTS
601572-6	601346-06	599
601572-7	601346-07	543

ATI ID	SAMPLE RESULT	DUPLICATE RESULT	RPD	CONTROL LIMIT %
601572-6	599	600	<1	10

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GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY ATI I.D.: 601346
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-63	AQUEOUS	01/12/96	NA	01/19/96	1
02	MW-59	AQUEOUS	01/12/96	NA	01/19/96	1
03	MW-31	AQUEOUS	01/12/96	NA	01/19/96	1

PARAMETER	UNITS	01	02	03
BENZENE	UG/L	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	UG/L	<0.5	<0.5	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	UG/L	<0.5	<0.5	<0.5
TOLUENE	UG/L	<0.5	<0.5	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0	<1.0	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TRICHLOROETHENE	**UG/L**	<0.3	<0.3	**2.7**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5
SURROGATES:				
BROMOCHLOROMETHANE (%)		83	84	84
TRIFLUOROTOLUENE (%)		92	95	95

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY ATI I.D.: 601346
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-40	AQUEOUS	01/12/96	NA	01/20/96	1
05	MW-49	AQUEOUS	01/12/96	NA	01/20/96	1
06	MW-14	AQUEOUS	01/12/96	NA	01/20/96	1

PARAMETER	UNITS	04	05	06
BENZENE	UG/L	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	<0.5	<0.5	**1.2**
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	<0.2	<0.2	**4.6 D(20)**
CIS-1,2-DICHLOROETHENE	**UG/L**	<0.2	<0.2	**0.2**
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	**UG/L**	<0.5	<0.5	**1.7**
TOLUENE	**UG/L**	<0.5	<0.5	**0.9**
1,1,1-TRICHLOROETHANE	**UG/L**	<1.0	<1.0	**5.8**
1,1,2-TRICHLOROETHANE	**UG/L**	<0.2	<0.2	**0.5**
TRICHLOROETHENE	**UG/L**	<0.3	<0.3	**290 D(20)**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5
SURROGATES:				
BROMOCHLOROMETHANE (%)		89	91	88
TRIFLUOROTOLUENE (%)		98	97	98

D(20)=DILUTED 20X, ANALYZED 01/22/96

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GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY ATI I.D.: 601346
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-21	AQUEOUS	01/12/96	NA	01/20/96	1
08	TRIP BLANK	AQUEOUS	12/27/95	NA	01/20/96	1

PARAMETER	UNITS	07	08
BENZENE	UG/L	<0.5	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5
CHLOROFORM	UG/L	<0.5	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**10 D(1)**	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5
METHYLENE CHLORIDE	UG/L	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2
TETRACHLOROETHENE	**UG/L**	**2.2**	<0.5
TOLUENE	UG/L	<0.5	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	**95 D(20)**	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2	<0.2
TRICHLOROETHENE	**UG/L**	**220 D(20)**	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5

SURROGATES:

BROMOCHLOROMETHANE (%)	90	107
TRIFLUOROTOLUENE (%)	99	108

D(20)=DILUTED 20X, ANALYZED 01/22/96
D(1)=DILUTED 1X, ANALYZED 01/23/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601346
BLANK I.D.	: 011996	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/19/96
PROJECT NAME	: STINMEDSS-1	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	99
TRIFLUOROTOLUENE (%)	100

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601346
BLANK I.D.	: 012296	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/22/96
PROJECT NAME	: STINMEDSS-1	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	99
TRIFLUOROTOLUENE (%)	98

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)		
MSMSD #	: 60134601	ATI I.D.	: 601346
CLIENT	: SPARTON TECHNOLOGY	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/22/96
PROJECT NAME	: STINMEDSS-1	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60134601	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.5	10.0	10.1	101	10.1	101	0
CHLOROBENZENE	<0.5	10.0	10.2	102	9.3	93	9
1,1-DICHLOROETHENE	<0.2	10.0	7.5	75	7.3	73	3
TOLUENE	<0.5	10.0	10.4	104	10.4	104	0
TRICHLOROETHENE	<0.3	10.0	11.8	118	10.8	108	9

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

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

AnalyticalTechnologies, Inc., Albuquerque, NM
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CHAIN OF CUSTODY

DATE: 1-12-96 PAGE 1 OF 1

ATI LAB I.D. 601346

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd, NE
Rio Rancho, NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Chloride, Total		Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOX	TOC	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	pH, Elec. Cond.		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
MW-63	1-12-96	0941	Aq.	-01							X	X		X																			4
MW-59	"	1106	"	-02							X	X		X																			4
MW-31	"	1123	"	-03							X	X		X																			4
MW-40	"	1311	"	-04							X	X		X																			4
MW-49	"	1350	"	-05							X	X		X																			4
MW-14	"	1425	"	-06							X	X		X							X	X					X			004880			7
MW-21	"	1542	"	-07							X	X		X							X	X					X						7
Trip Blank	12/27/95	0715	"	-08							X	X		X	No Chloride MW																		7

PROJECT INFORMATION

PROJ. NO.: 010895	
PROJ. NAME: STINMEDSS-1 Qtr 96	
P.O. NO.: Delivered	
SHIPPED VIA:	

SAMPLE RECEIPT

NO. CONTAINERS	35
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	8°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments: Chain of custody ~~on~~ seals on cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1648	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date:	Printed Name: Date:	Printed Name: Date:
Company: S.T.I. Phone: (505) 892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 16:56
Printed Name: Date:	Printed Name: Date:	Printed Name: Dan Johnson Date: 1-12-96
Company:	Company:	Analytical Technologies, Inc.

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1/15 PAGE: 1 OF 1

004881

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)	Total Cr		TOX	TOC	Gen Chemistry: Elec. Conductivity			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta				NUMBER OF CONTAINERS
601346-01	1/12	0941	AQ	1					X																								1
-02	↓	1106	↓	2					X																								1
-03		1123		3					X																								1
-04		1311		4					X																								1
-05		1350		5					X																								1
-06		1425		6					X				X																				2
-07	↓	1542	↓	7					X				X																				2

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	601346	TOTAL NUMBER OF CONTAINERS	9
PROJECT NAME:	STINMEDSS - 1 QTR 96	CHAIN OF CUSTODY SEALS	N/A
QC LEVEL:	(STD) IV	INTACT?	Y
QC REQUIRED:	MS MSD BLANK	RECEIVED GOOD COND./COLD	Y
TAT:	(STANDARD) RUSH!	LAB NUMBER	601572

IWO#KM 1099

DUE DATE: 1/25
RUSH SURCHARGE: NO
CLIENT DISCOUNT: 20%
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

RUSH

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	X
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1200	Signature: Time:
Printed Name: Andrew Parker Date: 1/15	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Jenna Gorham Time: 1020	Signature: Time:
Printed Name: Jenna Gorham Date: 1-16-96	Printed Name: Date:
Company: ATI PDX	Company:

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1/15 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX (w/ATCH EXT TIME)	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta				NUMBER OF CONTAINERS
601346-06	1/12	1425	AQ	01							X	X																						
-07	1/12	1542	AQ	02							X	X																						
																																	004882	

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER: 601346		TOTAL NUMBER OF CONTAINERS	4
PROJECT NAME: STINMEDSS-1QTR 96		CHAIN OF CUSTODY SEALS	N
QC LEVEL: (STD) IV		INTACT?	NA
QC REQUIRED: MS MSD BLANK		RECEIVED GOOD COND./COLD	Y/Y
TAT: (STANDARD) RUSH!		LAB NUMBER	601133
		IWO# KM1101	
DUE DATE: 1/25			
RUSH SURCHARGE: NO			
CLIENT DISCOUNT: 20%			
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO		20%	

SAMPLES SENT TO:	
SAN DIEGO	X
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1200	Signature: Time:
Printed Name: Andrew Parker Date: 01/15	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 09:10
Printed Name: Date:	Printed Name: Lisa Tucker Date: 1-16-96
Company:	Company: ATL-SD

STI-NMED SS 1Q96 Rec 2-23-96
M601/602 Cr(t) for MW-19, 20, 30, 39, FB, 12, TB, 17, TB also AGMP Parameters.

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **601356**

February 21, 1996

Sparton Technology Inc.
4901 Rockaway Blvd NE
Rio Rancho, NM 87124-4469

Project Name/Number: STINMEDSS-1 QTR 96 010895

Attention: John M. Wakefield

On **01/17/96**, Analytical Technologies, of New Mexico Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** 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.

EPA method 415.2 and 9020 analyses were performed by Ceimic (formerly Analytical Technologies, Inc.), 5550 Morehouse Drive, San Diego, CA.

EPA method 6010 and 120.1 analyses were performed by American Environmental Network (OR) Inc., (formerly Analytical Technologies Inc.), 17400 SW Upper Boones Ferry Road Suite 270, Durham, OR.

All other analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

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

AnalyticalTechnologies,Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 01/17/96
PROJECT #	: 010895		
PROJECT NAME	: STINMEDSS-1 QTR 96	REPORT DATE	: 02/21/96

ATI ID: 601356

	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	601356-01	MW-19	AQUEOUS	01/17/96
02	601356-02	MW-20	AQUEOUS	01/17/96
03	601356-03	MW-30	AQUEOUS	01/17/96
04	601356-04	MW-39	AQUEOUS	01/17/96
05	601356-05	FIELD BLANK	AQUEOUS	01/17/96
06	601356-06	MW-12	AQUEOUS	01/17/96
07	601356-07	TRIP BLANK	AQUEOUS	01/04/96
08	601356-08	MW-17	AQUEOUS	01/17/96
09	601356-09	TRIP BLANK	AQUEOUS	01/06/96

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	9

ATI 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.

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY
ATI ACCESSION #: 601356

METHOD	TEST	DATE ANALYZED	DETECTION LIMITS	ANALYST INITIALS
601/602	PURGEABLE HALOCARBONS & AROMATICS	01/23-26/96	SEE APPENDED PAGE	MG/JE
150.1	pH	01/18/96	-	DJ
6010	CHROMIUM	01/25/96	0.01 MG/L	KFL
120.1	CONDUCTIVITY	01/31/96	1 UMHOS/CM	JG
415.2	TOTAL ORGANIC CARBON	01/24/96	0.5 MG/L	MH
9020	TOTAL ORGANIC HALIDE	01/24/96	0.008 MG/L	MH

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601356

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
5X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	2.5
BROMODICHLOROMETHANE	1.0
BROMOFORM	2.5
BROMOMETHANE	5.0
CARBON TETRACHLORIDE	1.0
CHLOROBENZENE	2.5
CHLOROETHANE	2.5
CHLOROFORM	2.5
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	1.0
1,2-DIBROMOETHANE (EDB)	1.0
1,2-DICHLOROBENZENE	2.5
1,3-DICHLOROBENZENE	2.5
1,4-DICHLOROBENZENE	2.5
1,1-DICHLOROETHANE	1.5
1,2-DICHLOROETHANE (EDC)	2.5
1,1-DICHLOROETHENE	1.0
CIS-1,2-DICHLOROETHENE	1.0
TRANS-1,2-DICHLOROETHENE	5.0
1,2-DICHLOROPROPANE	1.0
CIS-1,3-DICHLOROPROPENE	1.0
TRANS-1,3-DICHLOROPROPENE	1.0
ETHYLBENZENE	2.5
METHYL-t-BUTYL ETHER	13
METHYLENE CHLORIDE	10
1,1,2,2-TETRACHLOROETHANE	1.0
TETRACHLOROETHENE	2.5
TOLUENE	2.5
1,1,1-TRICHLOROETHANE	5.0
1,1,2-TRICHLOROETHANE	1.0
TRICHLOROETHENE	1.5
TRICHLOROFLUOROMETHANE	1.0
VINYL CHLORIDE	2.5
TOTAL XYLENES	2.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601356

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	5.0
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	3.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20
ETHYLBENZENE	5.0
METHYL-t-BUTYL ETHER	25
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
TOLUENE	5.0
1,1,1-TRICHLOROETHANE	10
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	3.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0
TOTAL XYLENES	5.0

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601356

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
50X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	25
BROMODICHLOROMETHANE	10
BROMOFORM	25
BROMOMETHANE	50
CARBON TETRACHLORIDE	10
CHLOROBENZENE	25
CHLOROETHANE	25
CHLOROFORM	25
CHLOROMETHANE	50
DIBROMOCHLOROMETHANE	10
1,2-DIBROMOETHANE (EDB)	10
1,2-DICHLOROBENZENE	25
1,3-DICHLOROBENZENE	25
1,4-DICHLOROBENZENE	25
1,1-DICHLOROETHANE	15
1,2-DICHLOROETHANE (EDC)	25
1,1-DICHLOROETHENE	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLOROETHENE	50
1,2-DICHLOROPROPANE	10
CIS-1,3-DICHLOROPROPENE	10
TRANS-1,3-DICHLOROPROPENE	10
ETHYLBENZENE	25
METHYL-t-BUTYL ETHER	130
METHYLENE CHLORIDE	100
1,1,2,2-TETRACHLOROETHANE	10
TETRACHLOROETHENE	25
TOLUENE	25
1,1,1-TRICHLOROETHANE	50
1,1,2-TRICHLOROETHANE	10
TRICHLOROETHENE	15
TRICHLOROFLUOROMETHANE	10
VINYL CHLORIDE	25
TOTAL XYLENES	25

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601356

ATI'S DETECTION LIMITS FOR METHOD 601/602-AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	0.5
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.3
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
ETHYLBENZENE	0.5
METHYL-t-BUTYL ETHER	2.5
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
TOLUENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.3
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5
TOTAL XYLENES	0.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601356

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	250
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	150
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
ETHYLBENZENE	250
METHYL-t-BUTYL ETHER	1300
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	100
TETRACHLOROETHENE	250
TOLUENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	150
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250
TOTAL XYLENES	250

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 601356
PROJECT #	: 010895	DATE RECEIVED	: 01/17/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DATE ANALYZED	: 01/18/96

PARAMETER	UNITS	01	02	05	07
PH (150.1)	UNITS	8.42	8.29	6.69	6.20

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 601356
PROJECT # : 010895 SAMPLE MATRIX : AQUEOUS
PROJECT NAME : STINMEDSS-1 QTR 96

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD
PH	UNITS	51134301	4.27	4.27	0

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

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

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601356
Project Name: SPARTON

ATI I.D.: 601172

Analysis	Technique/Description
EPA 415.2 (TOTAL ORGANIC CARBON)	TOTAL ORGANIC CARBON ANALYZER
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601356 ATI I.D.: 60117
Project Name: SPARTON

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	601356-01	WATER	17-JAN-96	19-JAN-96
2	601356-02	WATER	17-JAN-96	19-JAN-96
3	601356-05	WATER	17-JAN-96	19-JAN-9
4	601356-07	WATER	04-JAN-96	19-JAN-9

Parameter	Units	1	2	3	4
TOTAL ORGANIC CARBON	MG/L	0.8	1.0	0.8	0.8
TOTAL ORGANIC HALIDES	MG/L	0.017	0.008	<0.008	<0.008

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601356 ATI I.D. : 601172
Project Name: SPARTON

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
TOTAL ORGANIC CARBON	601193-04	MG/L	16.2	16.3	1	37.0	20.0	104
TOTAL ORGANIC HALIDES	601172-04	MG/L	<0.008	<0.008	0	0.20	0.20	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601356
Project Name: SPARTON

ATI I.D. : 601172

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
TOTAL ORGANIC CARBON	61192	MG/L	<0.5	19.3	20.0	97
TOTAL ORGANIC HALIDES	61157	MG/L	<0.008	0.10	0.10	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

DATE LISTING FOR INORGANICS FOR PROJECT ID ANATEC01
FOR ACCESSIONS RECEIVED WITHIN THE LAST 90 DAYS
ACCESSION # 601172

AnalyticalTechnologies,Inc.

Project Id: ANATEC01 Proj Name : SPARTON
Proj Num : 601356 Accession : 601172

Test: EPA 415.2 (TOTAL ORGANIC CARBON)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	601356-01	17-JAN-96	19-JAN-96	24-JAN-96	N/A
2	WATER	601356-02	17-JAN-96	19-JAN-96	24-JAN-96	N/A
3	WATER	601356-05	17-JAN-96	19-JAN-96	24-JAN-96	N/A
4	WATER	601356-07	04-JAN-96	19-JAN-96	24-JAN-96	N/A

Test: EPA 9020 (TOTAL ORGANIC HALIDE)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	601356-01	17-JAN-96	19-JAN-96	26-JAN-96	N/A
2	WATER	601356-02	17-JAN-96	19-JAN-96	26-JAN-96	N/A
3	WATER	601356-05	17-JAN-96	19-JAN-96	26-JAN-96	N/A
4	WATER	601356-07	04-JAN-96	19-JAN-96	26-JAN-96	N/A

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

CLIENT:	ATI- Albuerque	**ATI I.D.:**	601585
PROJECT #:	601356		
PROJECT NAME:	Sparton		

ANALYSIS	TECHNIQUE	REFERENCE	LAB
Chromium	ICAP	EPA 6010	PLD
Conductivity	Electrode	EPA 120.1	PLD

METALS RESULTS

AnalyticalTechnologies,Inc.

CLIENT:	ATI-Albuquerque	ATI I.D.:	601585
PROJECT #:	601356	DATE SAMPLED:	01/17/96
PROJECT NAME:	Sparton	DATE RECEIVED:	01/19/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

	ATI I.D.:	601585-0	601585-1	601585-2
	Client I.D.:	Method Blank	601356-01	601356-02
PARAMETER	METHOD			
CHROMIUM	6010	< 0.01	< 0.01	< 0.01

METALS RESULTS

AnalyticalTechnologies,Inc.

CLIENT:	ATI-Albuquerque	ATI I.D.:	601585
PROJECT #:	601356	DATE SAMPLED:	01/17/96
PROJECT NAME:	Sparton	DATE RECEIVED:	01/19/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

	ATI I.D.:	601585-3	601585-4	601585-5
	Client I.D.:	601356-03	601356-04	601356-05
PARAMETER	METHOD			
CHROMIUM	6010	< 0.01	0.13	< 0.01

METALS RESULTS

AnalyticalTechnologies,Inc.

CLIENT:	ATI-Albuquerque	ATI I.D.:	601585
PROJECT #:	601356	DATE SAMPLED:	01/17/96
PROJECT NAME:	Sparton	DATE RECEIVED:	01/19/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

ATI I.D.:	601585-6
Client I.D.:	601356-06

PARAMETER	METHOD	
CHROMIUM	6010	0.02

METALS DUPLICATE RESULTS

AnalyticalTechnologies, Inc.

METHOD:	6010 series	ATI I.D.:	601585
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601584-2
PROJECT #:	601356	DATE DIGESTED:	01/22/96
PROJECT NAME:	Sparton	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
CHROMIUM	0.19	0.18	5	20

AnalyticalTechnologies,Inc.

METALS SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601585
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601584-2
PROJECT #:	601356	DATE DIGESTED:	01/22/96
PROJECT NAME:	Sparton	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
CHROMIUM	0.19	1.00	1.09	90	75-125%

AnalyticalTechnologies,Inc.

METALS BLANK SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601585
CLIENT:	ATI-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	601356	DATE DIGESTED:	01/22/96
PROJECT NAME:	Sparton	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SPIKE RESULT	SPIKE CONC	% RECOV	CONTROL LIMIT
CHROMIUM	0.91	1.00	91	80-120%

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

METHOD:	EPA 120.1 (Conductivity)	ATI I.D.:	601585
CLIENT:	ATI- Albuerque	DATE SAMPLED:	01/17/96
PROJECT #:	601356	DATE RECEIVED:	01/19/96
PROJECT NAME:	Sparton	DATE ANALYZED:	01/31/96
SAMPLE MATRIX:	WATER	UNITS:	umhos

ATI I.D.	CLIENT I.D.	RESULTS
601585-1	601356-01	634
601585-2	601356-02	545
601585-5	601356-05	2
601585-7	601356-07	1

ATI ID	SAMPLE RESULT	DUPLICATE RESULT	RPD	CONTROL LIMIT %
601634-6	633	642	1	10

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601356
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	01/17/96	NA	01/23/96	1
02	MW-20	AQUEOUS	01/17/96	NA	01/23/96	1
03	MW-30	AQUEOUS	01/17/96	NA	01/23/96	1

PARAMETER	UNITS	01	02	03
BENZENE	UG/L	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	UG/L	<0.5	<0.5	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**0.7**	<0.2	**0.5**
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	UG/L	<0.5	<0.5	<0.5
TOLUENE	UG/L	<0.5	<0.5	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0	<1.0	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TRICHLOROETHENE	**UG/L**	**24 D(5)**	**1.3**	**19 D(5)**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5

SURROGATES:

BROMOCHLOROMETHANE (%)	101	101	107
TRIFLUOROTOLUENE (%)	99	99	103

D(5)=DILUTED 5X, ANALYZED 01/24/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601356
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-39	AQUEOUS	01/17/96	NA	01/24/96	1
05	FIELD BLANK	AQUEOUS	01/17/96	NA	01/24/96	1
06	MW-12	AQUEOUS	01/17/96	NA	01/26/96	10

PARAMETER	UNITS	04	05	06
BENZENE	UG/L	<0.5	<0.5	<5.0
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<2.0
BROMOFORM	UG/L	<0.5	<0.5	<5.0
BROMOMETHANE	UG/L	<1.0	<1.0	<10
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<2.0
CHLOROBENZENE	UG/L	<0.5	<0.5	<5.0
CHLOROETHANE	UG/L	<0.5	<0.5	<5.0
CHLOROFORM	UG/L	<0.5	<0.5	<5.0
CHLOROMETHANE	UG/L	<1.0	<1.0	<10
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<2.0
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<2.0
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<5.0
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<5.0
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<5.0
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<3.0
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<5.0
1,1-DICHLOROETHENE	**UG/L**	<0.2	<0.2	**29**
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<10
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<2.0
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<2.0
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<2.0
ETHYLBENZENE	UG/L	<0.5	<0.5	<5.0
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<25
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<20
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<2.0
TETRACHLOROETHENE	UG/L	<0.5	<0.5	<5.0
TOLUENE	UG/L	<0.5	<0.5	<5.0
1,1,1-TRICHLOROETHANE	**UG/L**	<1.0	<1.0	**61**
1,1,2-TRICHLOROETHANE	UG/L	<0.2	<0.2	<2.0
TRICHLOROETHENE	**UG/L**	<0.3	<0.3	**1000 D(50)**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<2.0
VINYL CHLORIDE	UG/L	<0.5	<0.5	<5.0
TOTAL XYLENES	UG/L	<0.5	<0.5	<5.0
SURROGATES:				
BROMOCHLOROMETHANE (%)		94	86	84
TRIFLUOROTOLUENE (%)		92	97	93

D(50)=DILUTED 50X, ANALYZED 01/24/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601356
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
08	MW-17	AQUEOUS	01/17/96	NA	01/25/96	500
09	TRIP BLANK	AQUEOUS	01/06/96	NA	01/25/96	1

PARAMETER	UNITS	08	09
BENZENE	UG/L	<250	<0.5
BROMODICHLOROMETHANE	UG/L	<100	<0.2
BROMOFORM	UG/L	<250	<0.5
BROMOMETHANE	UG/L	<500	<1.0
CARBON TETRACHLORIDE	UG/L	<100	<0.2
CHLOROBENZENE	UG/L	<250	<0.5
CHLOROETHANE	UG/L	<250	<0.5
CHLOROFORM	UG/L	<250	<0.5
CHLOROMETHANE	UG/L	<500	<1.0
DIBROMOCHLOROMETHANE	UG/L	<100	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<100	<0.2
1,2-DICHLOROBENZENE	UG/L	<250	<0.5
1,3-DICHLOROBENZENE	UG/L	<250	<0.5
1,4-DICHLOROBENZENE	UG/L	<250	<0.5
1,1-DICHLOROETHANE	UG/L	<150	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<250	<0.5
1,1-DICHLOROETHENE	UG/L	<100	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<100	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<500	<1.0
1,2-DICHLOROPROPANE	UG/L	<100	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<100	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<100	<0.2
ETHYLBENZENE	UG/L	<250	<0.5
METHYL-t-BUTYL ETHER	UG/L	<1300	<2.5
METHYLENE CHLORIDE	UG/L	<1000	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<100	<0.2
TETRACHLOROETHENE	UG/L	<250	<0.5
TOLUENE	UG/L	<250	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	**1100**	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<100	<0.2
TRICHLOROETHENE	**UG/L**	**3800**	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<100	<0.2
VINYL CHLORIDE	UG/L	<250	<0.5
TOTAL XYLENES	UG/L	<250	<0.5

SURROGATES:

BROMOCHLOROMETHANE (%)	113	95
TRIFLUOROTOLUENE (%)	113	104

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GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601356
BLANK I.D.	: 012296	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/22/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	99
TRIFLUOROTOLUENE (%)	98

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601356
BLANK I.D.	: 012396	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/23/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	104
TRIFLUOROTOLUENE (%)	96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601356
BLANK I.D.	: 012496	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/24/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	109
TRIFLUOROTOLUENE (%)	98

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601356
BLANK I.D.	: 012696	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/26/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	97
TRIFLUOROTOLUENE (%)	97

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)		
MSMSD #	: 60135602	ATI I.D.	: 601356
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/23/96
PROJECT NAME	: STINMEDSS-1 QTR 96	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60135602	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.5	10.0	8.0	80	8.6	86	7
CHLOROBENZENE	<0.5	10.0	8.4	84	8.7	87	4
1,1-DICHLOROETHENE	<0.2	10.0	7.6	76	6.3	63	19
TOLUENE	<0.5	10.0	8.4	84	8.9	89	6
TRICHLOROETHENE	1.3	10.0	12.6	113	11.8	105	7

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

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

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

CHAIN OF CUSTODY

DATE: 1-17-96 PAGE 1 OF

ATI LAB I.D. 601356

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Chromium total		Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOX	TOC	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	pH + Elec. Cond.	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	004914	NUMBER OF CONTAINERS
MW-19	1-17-96	0947	Aq.	-01							X	X		X							X	X					X					7
MW-20	"	0950	"	-02							X	X		X							X	X					X					7
MW-30	"	1350	"	-03							X	X		X																		4
MW-39	"	1414	"	-04							X	X		X																		4
Field Blank	1-17-96	1255	"	-05							X	X		X							X	X					X			JMW		6 7
MW-12	"	1450	"	-06							X	X		X																		4
Trip Blank	1-4-96	NT	"	-07							X	X		Delete Not Delivered							X	X					X				AP	4 3
~~MW-17~~	Delete	Not	Delivered								X	X																				3
			JMW		1-17-96									JMW					1-17-96													

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	010895	NO. CONTAINERS	33
PROJ. NAME:	STINMEDSS-1 Qtr 96	CUSTODY SEALS	(Y) N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
Chain of custody seals on cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 1700	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date:	Printed Name: Date:	Printed Name: Date:
Company: S.T.I. Phone: (505) 892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Andrew Parker Time: 1700
Printed Name: Date:	Printed Name: Date:	Printed Name: Andrew Parker Date: 1/17
Company:	Company:	Analytical Technologies, Inc.

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

CHAIN OF CUSTODY

DATE: 1-18-96 PAGE 1 OF 1

ATI LAB I.D. 601356

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505)892-5300
FAX: (505)892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.			Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)		NUMBER OF CONTAINERS
MW-17	1-17-96	1555	Aq.	-08							X	X																					3
Trip Blank	1-6-96	1435	Aq.	-09							X	X																					1

004915

PROJECT INFORMATION

PROJ. NO.: 010895
PROJ. NAME: STI NMEDSS - 1Qtr96
P.O. NO.:
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	4
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Y
RECEIVED COLD	Y 10°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
Chain of custody seals on cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 0945	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date:	Printed Name: Date:	Printed Name: Date:
Company: S.T.I. Phone: (505)892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 9:45
Printed Name: Date:	Printed Name: Date:	Printed Name: Dan Johnson Date: 1-18-96
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1-18-96 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			001316	NUMBER OF CONTAINERS
601356-01	1-17-96	9:47	AQ	01							X	X																					
-02	↓	9:50	↓	02							X	X																					
-05	↓	12:55	↓	03							X	X																					
-07	1-4-96		↓	04							X	X																					

PROJECT INFORMATION	
PROJECT NUMBER:	601356
PROJECT NAME:	Sparton
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	8
CHAIN OF CUSTODY SEALS	NA
INTACT?	NA
RECEIVED GOOD COND./COLD	Y/20°C
LAB NUMBER	601172

SAMPLES SENT TO:	
SAN DIEGO	X
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	

DUE DATE: 2-1-96
RUSH SURCHARGE:
CLIENT DISCOUNT: 10%
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

IWO# KM1111

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Dan Johnson Time: 15:28	Signature: Time:
Printed Name: Dan Johnson Date: 1-18-96	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Sally Matthies Time: 2:08 pm
Printed Name: Date:	Printed Name: Sally Matthies Date: 1/19/96
Company:	Company: ATI-SD

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1-18-96 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)	Chromium Total		TOX	TOC	Gen Chemistry: Conductance			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			004917	NUMBER OF CONTAINERS
601356-01	1-17-96	9:47	AQ	1					X				X																				2
-02		9:50		2					X				X																				2
-03		13:50		3					X																								1
-04		14:14		4					X																								1
-05		12:55		5					X				X																				2
-06		14:50		6					X																								1
-07	1-4-96		AQ	7									X																				1

PROJECT INFORMATION	
PROJECT NUMBER:	601356
PROJECT NAME:	Spartan
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS	N/A
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	601585

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	X
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Dan Johnson Time: 15:38	Signature: Time:
Printed Name: Dan Johnson Date: 1-18-96	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Jenna Gordian Time: 9:30	Signature: Time:
Printed Name: Jenna Gordian Date: 1-19-96	Printed Name: Date:
Company: ATI PDX	Company:

DUE DATE: 2-1-96 IWO# 1112
PUSH SURCHARGE:
CLIENT DISCOUNT: 10%
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

STI-NMED SS 1Q 1996 Rec. 2-13-96
M 601/602 = 8010/8020, Cr(t) + AGMP
MW-22, 16, 38, 29, 7, 13, 9, 33, TB

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **601351**

February 8, 1996

Sparton Technology Inc.
4901 Rockaway Blvd NE
Rio Rancho, NM 87124-4469

Project Name/Number: STINMEDSS-1 QTR 96 010895

Attention: John M. Wakefield

On **01/16/96**, Analytical Technologies, of New Mexico Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous** 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.

EPA method 150.1, 601/602 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

EPA method 120.1 and 6010 analyses were performed by Analytical Technologies, Inc., 17400 SW Upper Boones Ferry Road, Suite 270, Durham, OR.

All other analyses were performed by Analytical Technologies, Inc., 5550 Morehouse Drive, San Diego, CA.

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

KDMcNeill

Kimberly D. McNeill
Project Manager

H Mitchell Rubenstein

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

AnalyticalTechnologies,Inc.

CLIENT : SPARTON TECHNOLOGY INC. DATE RECEIVED : 01/16/96

PROJECT # : 010895

PROJECT NAME : STINMEDSS-1 QTR 96 REPORT DATE : 02/08/96

ATI ID: 601351

ATI PORTLAND ID #	ATI ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
601584-01	601351-01	MW-22	AQUEOUS	01/16/96
601584-02	601351-02	MW-16	AQUEOUS	01/16/96
601584-03	601351-03	MW-38	AQUEOUS	01/16/96
601584-04	601351-04	MW-29	AQUEOUS	01/16/96
601584-05	601351-05	MW-7	AQUEOUS	01/16/96
601584-06	601351-06	MW-13	AQUEOUS	01/16/96
601584-07	601351-07	MW-9	AQUEOUS	01/16/96
601584-08	601351-08	MW-33	AQUEOUS	01/16/96
601584-09	601351-09	TRIP BLANK	AQUEOUS	12/27/95

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	9

ATI 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.

AnalyticalTechnologies,Inc.

CLIENT: **SPARTON TECHNOLOGY INC.**
ATI ACCESSION #: 601351

METHOD	TEST	DATE(S) ANALYZED	DETECTION LIMITS	ANALYST INITIALS
120.1	CONDUCTIVITY	01/18/96	UMHOS	JG
6010	CHROMIUM	01/25/96	0.01 MG/L	SS
601/602	PURGEABLE HALOCARBONS & AROMATICS	01/22-25/96	SEE APPENDED PAGES	MG & JE
150.1	pH	01/16/96	NA	DJ
415.2	TOTAL ORGANIC CARBON	01/24/96	0.5 MG/L	MJ
9020	TOTAL ORGANIC HALIDE	01/25/96	0.008 MG/L	MJ

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602-AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	0.5
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.3
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
ETHYLBENZENE	0.5
METHYL-t-BUTYL ETHER	2.5
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.2
TETRACHLOROETHENE	0.5
TOLUENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.3
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5
TOTAL XYLENES	0.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
5X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	2.5
BROMODICHLOROMETHANE	1.0
BROMOFORM	2.5
BROMOMETHANE	5.0
CARBON TETRACHLORIDE	1.0
CHLOROBENZENE	2.5
CHLOROETHANE	2.5
CHLOROFORM	2.5
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	1.0
1,2-DIBROMOETHANE (EDB)	1.0
1,2-DICHLOROBENZENE	2.5
1,3-DICHLOROBENZENE	2.5
1,4-DICHLOROBENZENE	2.5
1,1-DICHLOROETHANE	1.5
1,2-DICHLOROETHANE (EDC)	2.5
1,1-DICHLOROETHENE	1.0
CIS-1,2-DICHLOROETHENE	1.0
TRANS-1,2-DICHLOROETHENE	5.0
1,2-DICHLOROPROPANE	1.0
CIS-1,3-DICHLOROPROPENE	1.0
TRANS-1,3-DICHLOROPROPENE	1.0
ETHYLBENZENE	2.5
METHYL-t-BUTYL ETHER	13
METHYLENE CHLORIDE	10
1,1,2,2-TETRACHLOROETHANE	1.0
TETRACHLOROETHENE	2.5
TOLUENE	2.5
1,1,1-TRICHLOROETHANE	5.0
1,1,2-TRICHLOROETHANE	1.0
TRICHLOROETHENE	1.5
TRICHLOROFLUOROMETHANE	1.0
VINYL CHLORIDE	2.5
TOTAL XYLENES	2.5

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	5.0
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	3.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	20
ETHYLBENZENE	5.0
METHYL-t-BUTYL ETHER	25
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	2.0
TETRACHLOROETHENE	5.0
TOLUENE	5.0
1,1,1-TRICHLOROETHANE	10
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	3.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0
TOTAL XYLENES	5.0

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
20X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	10
BROMODICHLOROMETHANE	4.0
BROMOFORM	10
BROMOMETHANE	20
CARBON TETRACHLORIDE	4.0
CHLOROBENZENE	10
CHLOROETHANE	10
CHLOROFORM	10
CHLOROMETHANE	20
DIBROMOCHLOROMETHANE	4.0
1,2-DIBROMOETHANE (EDB)	4.0
1,2-DICHLOROBENZENE	10
1,3-DICHLOROBENZENE	10
1,4-DICHLOROBENZENE	10
1,1-DICHLOROETHANE	6.0
1,2-DICHLOROETHANE (EDC)	10
1,1-DICHLOROETHENE	4.0
CIS-1,2-DICHLOROETHENE	4.0
TRANS-1,2-DICHLOROETHENE	20
1,2-DICHLOROPROPANE	4.0
CIS-1,3-DICHLOROPROPENE	4.0
TRANS-1,3-DICHLOROPROPENE	4.0
ETHYLBENZENE	10
METHYL-t-BUTYL ETHER	50
METHYLENE CHLORIDE	40
1,1,2,2-TETRACHLOROETHANE	4.0
TETRACHLOROETHENE	10
TOLUENE	10
1,1,1-TRICHLOROETHANE	20
1,1,2-TRICHLOROETHANE	4.0
TRICHLOROETHENE	6.0
TRICHLOROFLUOROMETHANE	4.0
VINYL CHLORIDE	10
TOTAL XYLENES	10

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
50X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	25
BROMODICHLOROMETHANE	10
BROMOFORM	25
BROMOMETHANE	50
CARBON TETRACHLORIDE	10
CHLOROBENZENE	25
CHLOROETHANE	25
CHLOROFORM	25
CHLOROMETHANE	50
DIBROMOCHLOROMETHANE	10
1,2-DIBROMOETHANE (EDB)	10
1,2-DICHLOROBENZENE	25
1,3-DICHLOROBENZENE	25
1,4-DICHLOROBENZENE	25
1,1-DICHLOROETHANE	15
1,2-DICHLOROETHANE (EDC)	25
1,1-DICHLOROETHENE	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLOROETHENE	50
1,2-DICHLOROPROPANE	10
CIS-1,3-DICHLOROPROPENE	10
TRANS-1,3-DICHLOROPROPENE	10
ETHYLBENZENE	25
METHYL-t-BUTYL ETHER	130
METHYLENE CHLORIDE	100
1,1,2,2-TETRACHLOROETHANE	10
TETRACHLOROETHENE	25
TOLUENE	25
1,1,1-TRICHLOROETHANE	50
1,1,2-TRICHLOROETHANE	10
TRICHLOROETHENE	15
TRICHLOROFLUOROMETHANE	10
VINYL CHLORIDE	25
TOTAL XYLENES	25

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
100X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	50
BROMODICHLOROMETHANE	20
BROMOFORM	50
BROMOMETHANE	100
CARBON TETRACHLORIDE	20
CHLOROBENZENE	50
CHLOROETHANE	50
CHLOROFORM	50
CHLOROMETHANE	100
DIBROMOCHLOROMETHANE	20
1,2-DIBROMOETHANE (EDB)	20
1,2-DICHLOROBENZENE	50
1,3-DICHLOROBENZENE	50
1,4-DICHLOROBENZENE	50
1,1-DICHLOROETHANE	30
1,2-DICHLOROETHANE (EDC)	50
1,1-DICHLOROETHENE	20
CIS-1,2-DICHLOROETHENE	20
TRANS-1,2-DICHLOROETHENE	100
1,2-DICHLOROPROPANE	20
CIS-1,3-DICHLOROPROPENE	20
TRANS-1,3-DICHLOROPROPENE	20
ETHYLBENZENE	50
METHYL-t-BUTYL ETHER	250
METHYLENE CHLORIDE	200
1,1,2,2-TETRACHLOROETHANE	20
TETRACHLOROETHENE	50
TOLUENE	50
1,1,1-TRICHLOROETHANE	100
1,1,2-TRICHLOROETHANE	20
TRICHLOROETHENE	30
TRICHLOROFLUOROMETHANE	20
VINYL CHLORIDE	50
TOTAL XYLENES	50

AnalyticalTechnologies,Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
ATI ACCESSSION #: 601351

ATI'S DETECTION LIMITS FOR METHOD 601/602 - AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BENZENE	250
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	150
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
ETHYLBENZENE	250
METHYL-t-BUTYL ETHER	1300
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	100
TETRACHLOROETHENE	250
TOLUENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	150
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250
TOTAL XYLENES	250

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	ATI I.D.	: 601351
PROJECT #	: 010895	DATE RECEIVED	: 01/16/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DATE ANALYZED	: 01/16/96

PARAMETER	UNITS	01	02	07
PH (150.1)	UNITS	7.96	7.93	7.99

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. ATI I.D. : 601351

PROJECT # : 010895 SAMPLE MATRIX : AQUEOUS

PROJECT NAME : STINMEDSS-1 QTR 96

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC.	% REC
PH	UNITS	60135101	7.96	8.19	2.8	NA	NA	NA

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

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

AnalyticalTechnologies,Inc.

ANALYTICAL SCHEDULE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601351
Project Name: STINMEDSS - 1 QTR 96

ATI I.D.: 601154

Analysis	Technique/Description
EPA 415.2 (TOTAL ORGANIC CARBON)	TOTAL ORGANIC CARBON ANALYZER
EPA 9020 (TOTAL ORGANIC HALIDE)	TOTAL ORGANIC HALIDE ANALYZER

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601351 ATI I.D.: 601154
Project Name: STINMEDSS - 1 QTR 96

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	601351-01	WATER	16-JAN-96	18-JAN-96
2	601351-02	WATER	16-JAN-96	18-JAN-96
3	601351-07	WATER	16-JAN-96	18-JAN-96

Parameter	Units	1	2	3
TOTAL ORGANIC CARBON	MG/L	1.0	0.8	0.9
TOTAL ORGANIC HALIDES	MG/L	<0.008	0.73	0.35

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601351 ATI I.D. : 601154
Project Name: STINMEDSS - 1 QTR 96

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
TOTAL ORGANIC CARBON	601098-03	MG/L	0.7	0.6	15	20.3	20.0	98
TOTAL ORGANIC CARBON	601193-04	MG/L	16.2	16.3	1	37.0	20.0	104
TOTAL ORGANIC HALIDES	601137-03	MG/L	<0.008	<0.008	0	0.19	0.20	95

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ANALYTICAL TECHNOLOGIES, INC.
Project # : 601351
Project Name: STINMEDSS - 1 QTR 96

ATI I.D. : 60115

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
TOTAL ORGANIC CARBON	61192	MG/L	<0.5	19.3	20.0	97
TOTAL ORGANIC HALIDES	61133	MG/L	<0.008	0.099	0.10	99

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

DATE LISTING FOR INORGANICS FOR PROJECT ID ANATEC01 31-JAN-96
AnalyticalTechnologies, Inc. FOR ACCESSIONS RECEIVED WITHIN THE LAST 90 DAYS
ACCESSION # 601154

Project Id: ANATEC01 Proj Name : STINMEDSS - 1 QTR 96
Proj Num : 601351 Accession : 601154

Test: EPA 415.2 (TOTAL ORGANIC CARBON)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	601351-01	16-JAN-96	18-JAN-96	24-JAN-96	N/A
2	WATER	601351-02	16-JAN-96	18-JAN-96	24-JAN-96	N/A
3	WATER	601351-07	16-JAN-96	18-JAN-96	24-JAN-96	N/A

Test: EPA 9020 (TOTAL ORGANIC HALIDE)

ATI #	Matrix	Client ID	Sampled	Received	Analyzed	Prep Date
1	WATER	601351-01	16-JAN-96	18-JAN-96	25-JAN-96	N/A
2	WATER	601351-02	16-JAN-96	18-JAN-96	25-JAN-96	N/A
3	WATER	601351-07	16-JAN-96	18-JAN-96	25-JAN-96	N/A

Analytical**Technologies,**Inc.

ANALYTICAL SCHEDULE

CLIENT: ATI-Albuquerque **ATI I.D.:** 601584
PROJECT #: 601351
PROJECT NAME: STINMEDSS-1Qtr 96

ANALYSIS	TECHNIQUE	REFERENCE	LAB
Chromium	ICAP	EPA 6010	PLD
Conductivity	Electrode	EPA 120.1	PLD

AnalyticalTechnologies,Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601584
PROJECT #:	601351	DATE SAMPLED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/18/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

	ATI I.D.:	601584-0	601584-1	601584-2
	Client I.D.:	Method Blank	601351-01	601351-02
PARAMETER	METHOD			
CHROMIUM	6010	< 0.01	< 0.01	0.19

AnalyticalTechnologies,Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601584
PROJECT #:	601351	DATE SAMPLED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/18/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

	ATI I.D.:	601584-3	601584-4	601584-5
	Client I.D.:	601351-03	601351-04	601351-05
PARAMETER	METHOD			
CHROMIUM	6010	0.02	< 0.01	0.04

AnalyticalTechnologies,Inc.

METALS RESULTS

CLIENT:	ATI-Albuquerque	ATI I.D.:	601584
PROJECT #:	601351	DATE SAMPLED:	01/16/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE RECEIVED:	01/18/96
SAMPLE MATRIX:	WATER	DATE DIGESTED:	01/22/96
		DATE ANALYZED:	01/25/96
		UNITS:	mg/L

	ATI I.D.:	601584-6	601584-7	601584-8
	Client I.D.:	601351-06	601351-07	601351-08
PARAMETER	METHOD			
CHROMIUM	6010	< 0.01	< 0.01	4.11

AnalyticalTechnologies,Inc.

METALS DUPLICATE RESULTS

METHOD:	6010 series	ATI I.D.:	601584
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601584-2
PROJECT #:	601351	DATE DIGESTED:	01/22/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	DUPLICATE RESULT	RPD	RPD CONTROL LIMIT
CHROMIUM	0.19	0.18	5	20

AnalyticalTechnologies,Inc.

METALS SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601584
CLIENT:	ATI-Albuquerque	QC SAMPLE:	601584-2
PROJECT #:	601351	DATE DIGESTED:	01/22/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SAMPLE RESULT	SPIKE CONC	SPIKE RESULT	% RECOV	CONTROL LIMIT
CHROMIUM	0.19	1.00	1.09	90	75-125%

Analytical**Technologies,**Inc.

METALS BLANK SPIKE RESULTS

METHOD:	6010 series	ATI I.D.:	601584
CLIENT:	ATI-Albuquerque	QC SAMPLE:	Method Blank
PROJECT #:	601351	DATE DIGESTED:	01/22/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/25/96
SAMPLE MATRIX:	WATER	DILUTION FACTOR:	1
		UNITS:	mg/L

PARAMETER	SPIKE RESULT	SPIKE CONC	% RECOV	CONTROL LIMIT
CHROMIUM	0.91	1.00	91	80-120%

AnalyticalTechnologies,Inc.

GENERAL CHEMISTRY RESULTS

METHOD:	EPA 120.1 (Conductivity)	ATI I.D.:	601584
CLIENT:	ATI-Albuquerque	DATE SAMPLED:	01/16/96
PROJECT #:	601351	DATE RECEIVED:	01/18/96
PROJECT NAME:	STINMEDSS-1Qtr 96	DATE ANALYZED:	01/18/96
SAMPLE MATRIX:	WATER	UNITS:	umhos

ATI I.D.	CLIENT I.D.	RESULTS
601584-1	601351-01	644
601584-2	601351-02	1030
601584-7	601351-07	760

ATI ID	SAMPLE RESULT	DUPLICATE RESULT	RPD	CONTROL LIMIT %
601572-6	599	600	<1	10

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601351
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-22	AQUEOUS	01/16/96	NA	01/22/96	1
02	MW-16	AQUEOUS	01/16/96	NA	01/22/96	1
03	MW-38	AQUEOUS	01/16/96	NA	01/22/96	1

PARAMETER	UNITS	01	02	03
BENZENE	**UG/L**	<0.5	**0.5**	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	<0.5	**4.6**	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	**UG/L**	<0.3	**2.9**	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**6.2**	**93 D(100)**	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	**UG/L**	<2.0	**4.0**	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	**UG/L**	**0.5**	**73 D(10)**	<0.5
TOLUENE	UG/L	<0.5	<0.5	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	**29 D(5)**	**1900 D(100)**	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TRICHLOROETHENE	**UG/L**	**46 D(5)**	**7600 D(500)**	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5
SURROGATES:				
BROMOCHLOROMETHANE (%)		93	85	93
TRIFLUOROTOLUENE (%)		96	103	102

D(5)=DILUTED 5X, ANALYZED 01/23/96
D(10)=DILUTED 10X, ANALYZED 01/25/96
D(100)=DILUTED 100X, ANALYZED 01/23/96
D(500)=DILUTED 500X, ANALYZED 01/24/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601351
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-29	AQUEOUS	01/16/96	NA	01/22/96	1
05	MW-7	AQUEOUS	01/16/96	NA	01/22/96	1
06	MW-13	AQUEOUS	01/16/96	NA	01/22/96	1

PARAMETER	UNITS	04	05	06
BENZENE	UG/L	<0.5	<0.5	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	<0.5	**0.6**	**1.1**
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	<0.2	**14 D(20)**	**14**
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	**UG/L**	<0.5	**0.8**	<0.5
TOLUENE	UG/L	<0.5	<0.5	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	<1.0	**92 D(20)**	**54 D(20)**
1,1,2-TRICHLOROETHANE	**UG/L**	<0.2	<0.2	**0.3**
TRICHLOROETHENE	**UG/L**	**0.9**	**340 D(20)**	**380 D(20)**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5
SURROGATES:				
BROMOCHLOROMETHANE (%)		93	97	93
TRIFLUOROTOLUENE (%)		97	98	99

D(20)=DILUTED 20X, ANALYZED 01/23/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)
CLIENT : SPARTON TECHNOLOGY INC. ATI I.D.: 601351
PROJECT # : 010895
PROJECT NAME : STINMEDSS-1 QTR 96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-9	AQUEOUS	01/16/96	NA	01/23/96	1
08	MW-33	AQUEOUS	01/16/96	NA	01/23/96	1
09	TRIP BLANK	AQUEOUS	12/27/95	NA	01/25/96	1

PARAMETER	UNITS	07	08	09
BENZENE	**UG/L**	<0.5	**0.8**	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	**2.7**	**4.6**	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	**UG/L**	**1.8**	**13**	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**25 D(20)**	**200 D(50)**	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
ETHYLBENZENE	UG/L	<0.5	<0.5	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5	<2.5	<2.5
METHYLENE CHLORIDE	**UG/L**	**2.6**	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2	<0.2	<0.2
TETRACHLOROETHENE	**UG/L**	**2.2**	**11**	<0.5
TOLUENE	**UG/L**	<0.5	**1.1**	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	**82 D(20)**	**160 D(50)**	<1.0
1,1,2-TRICHLOROETHANE	**UG/L**	**0.8**	**5.1**	<0.2
TRICHLOROETHENE	**UG/L**	**570 D(50)**	**2000 D(500)**	<0.3
TRICHLOROFLUOROMETHANE	**UG/L**	<0.2	**0.6**	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
TOTAL XYLENES	UG/L	<0.5	<0.5	<0.5

SURROGATES:

BROMOCHLOROMETHANE (%)	84	96	101
TRIFLUOROTOLUENE (%)	100	101	94

D(20)=DILUTED 20X, ANALYZED 01/23/96
D(50)=DILUTED 50X, ANALYZED 01/24/95
D(500)=DILUTED 500X, ANALYZED 01/24/96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601351
BLANK I.D.	: 012296	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/22/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	99
TRIFLUOROTOLUENE (%)	98

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601351
BLANK I.D.	: 012396	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/23/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	104
TRIFLUOROTOLUENE (%)	96

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601351
BLANK I.D.	: 012496	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/24/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	109
TRIFLUOROTOLUENE (%)	98

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 601/602	ATI I.D.	: 601351
BLANK I.D.	: 012596	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/25/96
PROJECT NAME	: STINMEDSS-1 QTR 96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BENZENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
ETHYLBENZENE	UG/L	<0.5
METHYL-t-BUTYL ETHER	UG/L	<2.5
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.2
TETRACHLOROETHENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
TOTAL XYLENES	UG/L	<0.5

SURROGATES:	
BROMOCHLOROMETHANE (%)	88
TRIFLUOROTOLUENE (%)	97

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS/AROMATICS (EPA 601/602)		
MSMSD #	: 60135104	ATI I.D.	: 601351
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 010895	DATE ANALYZED	: 01/23/96
PROJECT NAME	: STINMEDSS-1 QTR 96	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60135104	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.5	10.0	9.8	98	9.0	90	9
CHLOROBENZENE	<0.5	10.0	10.0	100	8.6	86	15
1,1-DICHLOROETHENE	<0.2	10.0	8.0	80	7.9	79	1
TOLUENE	<0.5	10.0	10.0	100	9.5	95	5
TRICHLOROETHENE	0.9	10.0	13.0	121	12.0	111	8

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

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

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

CHAIN OF CUSTODY

DATE: 1-16-96 PAGE 1 OF 1

ATI LAB I.D. 601351

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd., NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124-4469

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)			Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Chromium total		Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TOX	TOC	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	pH + Electrical Conductivity		The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	004951	NUMBER OF CONTAINERS
MW-22	1-16-96	0850	Aq.	-01							X	X		X							X	X					X						7
MW-16	"	0906	"	-02							X	X		X							X	X					X						7
MW-38	"	1221	"	-03							X	X		X																			4
MW-29	"	1255	"	-04							X	X		X																			4
MW-7	"	1315	"	-05							X	X		X																			4
MW-13	"	1325	"	-06							X	X		X																			4
MW-9	"	1438	"	-07							X	X		X							X	X					X						7
MW-33	"	1518	"	-08							X	X		X																			4
Trip Blank	12-27-95	0915	"	-09							X	X																					1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	010895	NO. CONTAINERS	42
PROJ. NAME:	STINMEDSS-1 Qtr 96	CUSTODY SEALS	(Y) N / NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	Y

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
Chain of custody seals on cooler

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: John M. Wakefield Time: 1600	Signature: Peter H. Metzner Time: 1655	Signature: Time:
Printed Name: John M. Wakefield Date: 1-16-96	Printed Name: Peter H. Metzner Date: 1-16-96	Printed Name: Date:
Company: S.T.I. Phone: (505) 892-5300	Company: Metric Corp	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Peter H. Metzner Time: 1605	Signature: Time:	Signature: Andrew Parker Time: 1655
Printed Name: Peter H. Metzner Date: 1-16-96	Printed Name: Date:	Printed Name: Andrew Parker Date: 1/16
Company: Metric Corp	Company:	Analytical Technologies, Inc.

AnalyticalTechnologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1/17 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: **Analytical Technologies of New Mexico, Inc.**
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

	SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			001952	NUMBER OF CONTAINERS
01	601351 - 01	1/16	0850	AQ								X	X																						
02	- 02	↓	0906	↓								X	X																						
03	- 07	↓	1438	↓								X	X																						

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	601351	TOTAL NUMBER OF CONTAINERS	6
PROJECT NAME:	STINMEDSS - 1Qtr 96	CHAIN OF CUSTODY SEALS	NA
QC LEVEL:	(STD) IV	INTACT?	NA
QC REQUIRED:	MS MSD BLANK	RECEIVED GOOD COND./COLD	Y/2.0°
TAT:	(STANDARD) RUSH!	LAB NUMBER	601154
			IWO #KM1105

DUE DATE: 1/29
RUSH SURCHARGE: NO
CLIENT DISCOUNT: 20%
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

SAMPLES SENT TO:	
SAN DIEGO	X
FT. COLLINS	
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Andrew Parker Time: 1200	Signature: Time:
Printed Name: Andrew Parker Date: 1/17	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Sally Matthies Time: 9:15
Printed Name: Date:	Printed Name: Sally Matthies Date: 1/18/96
Company:	Company: ATI -SD

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 1/17 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)	Total Cr		TOX	TOC	Gen Chemistry : Electric Cond			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			004953	NUMBER OF CONTAINERS
601351-01	1/16	0850	AQ	-1					X				X																				
-02	↓	0906	↓	-2					X				X																				
-03		1221		-3					X																								
-04		1255		-4					X																								
-05		1315		-5					X																								
-06		1325		-6					X																								
-07		1438		-7					X				X																				
-08	↓	1518	↓	-8					X																								

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:		RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
PROJECT NUMBER: 601351	TOTAL NUMBER OF CONTAINERS	SAN DIEGO		Signature: Andrew Parker Time: 1200	Signature: Time:
PROJECT NAME: STINMEDSS - 1 Qtr 96	CHAIN OF CUSTODY SEALS	FT. COLLINS		Printed Name: Andrew Parker Date: 1/17	Printed Name: Date:
QC LEVEL: (STD) IV	INTACT?	RENTON		Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
QC REQUIRED: MS MSD BLANK	RECEIVED GOOD COND./COLD	PENSACOLA		RECEIVED BY: 1.	RECEIVED BY: (LAB) 2.
TAT: (STANDARD) RUSH!	LAB NUMBER 601584	PORTLAND	X	Signature: Time: 1040	Signature: Time:
		PHOENIX		Printed Name: Date: 1/19/96	Printed Name: Date:
DUE DATE: 1/29				Company: ATI	Company:
RUSH SURCHARGE: NO					
CLIENT DISCOUNT: 20%					
SPECIAL CERTIFICATION REQUIRED: ☐ YES ☐ NO					

SECTION 10

SECOND QUARTER, 1996

LABORATORY REPORT

American Environmental Network, Inc.

AEN I.D. **604401** AGMP 2Q 1996
MW-19, 20, 9, 14, 21
FB + TB Rec. 5-22-96

May 16, 1996

Sparton Technology Inc.
4901 Rockaway Blvd. SE
Rio Rancho, NM 87124

Project Name/Number: AGMP-2Q96 042496-A

Attention: John M. Wakefield

On **04/24/96**, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze **aqueous** 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.

Total Organic Halide analyses were performed by Paragon Analytics Inc., 225 Commerce Drive, Fort Collins, CO.

Total Organic Carbon & Conductance analyses were performed by American Environmental Network (FL) Inc., 11 east East Olive Road, Pensacola, FL.

All other analyses were performed by American Environmental Network (NM), Inc., Albuquerque, NM.

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.
General Manager

MR:jt

Enclosure

004955

2709-D Pan American Freeway, NE • Albuquerque, NM 87107 • (505) 344-3777 • Fax (602) 344-4413

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 04/24/96
PROJECT #	: 042496-A		
PROJECT NAME	: AGMP-2Q96	REPORT DATE	: 05/16/96

AEN ID: 604401

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
08	604401-08	MW-19	AQUEOUS	04/24/96
09	604401-09	MW-20	AQUEOUS	04/24/96
10	604401-10	MW-9	AQUEOUS	04/24/96
11	604401-11	MW-14	AQUEOUS	04/24/96
12	604401-12	MW-21	AQUEOUS	04/24/96
13	604401-13	FIELD BLANK	AQUEOUS	04/24/96
14	604401-14	TRIP BLANK	AQUEOUS	04/17/96

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	7

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.

American Environmental Network, Inc.

CLIENT : SPARTON TECHNOLOGY INC.
AEN ACCESSION # : 604401

METHOD	TEST	DATE(S) ANALYZED	DETECTION LIMITS	ANALYST INITIALS
9020	TOTAL ORGANIC HALIDE	05/08/96	10 UG/L	TK
415.1	TOTAL ORGANIC CARBON	05/06/96	1 MG/L	DWB
8010	PURGEABLE HALOCARBONS	04/26/96 04/27/96 04/30/96 05/01/96	SEE DATA PAGE	PN
120.1	CONDUCTIVITY	04/26/96	1 UMH/CM	RB
150.1	pH	04/25/96	-	DJ

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.3
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.5
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.3
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
5X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	1.0
BROMOFORM	2.5
BROMOMETHANE	5.0
CARBON TETRACHLORIDE	1.0
CHLOROBENZENE	2.5
CHLOROETHANE	2.5
CHLOROFORM	2.5
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	1.0
1,2-DIBROMOETHANE (EDB)	1.0
1,2-DICHLOROBENZENE	2.5
1,3-DICHLOROBENZENE	2.5
1,4-DICHLOROBENZENE	2.5
1,1-DICHLOROETHANE	1.5
1,2-DICHLOROETHANE (EDC)	2.5
1,1-DICHLOROETHENE	1.0
CIS-1,2-DICHLOROETHENE	1.0
TRANS-1,2-DICHLOROETHENE	5.0
1,2-DICHLOROPROPANE	1.0
CIS-1,3-DICHLOROPROPENE	1.0
TRANS-1,3-DICHLOROPROPENE	1.0
METHYLENE CHLORIDE	10
1,1,2,2-TETRACHLOROETHANE	2.5
TETRACHLOROETHENE	2.5
1,1,1-TRICHLOROETHANE	5.0
1,1,2-TRICHLOROETHANE	1.0
TRICHLOROETHENE	1.5
TRICHLOROFLUOROMETHANE	1.0
VINYL CHLORIDE	2.5

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	3.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	2.0
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	5.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	3.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8010 - AQUEOUS
50X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	10
BROMOFORM	25
BROMOMETHANE	50
CARBON TETRACHLORIDE	10
CHLOROBENZENE	25
CHLOROETHANE	25
CHLOROFORM	25
CHLOROMETHANE	50
DIBROMOCHLOROMETHANE	10
1,2-DIBROMOETHANE (EDB)	10
1,2-DICHLOROBENZENE	25
1,3-DICHLOROBENZENE	25
1,4-DICHLOROBENZENE	25
1,1-DICHLOROETHANE	15
1,2-DICHLOROETHANE (EDC)	25
1,1-DICHLOROETHENE	10
CIS-1,2-DICHLOROETHENE	10
TRANS-1,2-DICHLOROETHENE	50
1,2-DICHLOROPROPANE	10
CIS-1,3-DICHLOROPROPENE	10
TRANS-1,3-DICHLOROPROPENE	10
METHYLENE CHLORIDE	100
1,1,2,2-TETRACHLOROETHANE	25
TETRACHLOROETHENE	25
1,1,1-TRICHLOROETHANE	50
1,1,2-TRICHLOROETHANE	10
TRICHLOROETHENE	15
TRICHLOROFLUOROMETHANE	10
VINYL CHLORIDE	25

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
ACETONE	10
BENZENE	5.0
BROMODICHLOROMETHANE	5.0
BROMOFORM	5.0
BROMOMETHANE	5.0
2-BUTANONE	20
CARBON DISULFIDE	10
CARBON TETRACHLORIDE	5.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
2-CHLOROETHYL VINYL ETHER	10
CHLOROFORM	5.0
CHLOROMETHANE	5.0
DIBROMOCHLOROMETHANE	5.0
1,2-DIBROMOETHANE	5.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
DICHLORODIFLUOROMETHANE	5.0
1,1-DICHLOROETHANE	5.0
1,2-DICHLOROETHANE	5.0
1,1-DICHLOROETHENE	5.0
CIS-1,2-DICHLOROETHENE	5.0
TRANS-1,2-DICHLOROETHENE	5.0
1,2-DICHLOROPROPANE	5.0
CIS-1,2-DICHLOROPROPANE	5.0
TRANS-1,2-DICHLOROPROPANE	5.0
ETHYLBENZENE	5.0
2-HEXANONE	5.0
IODOMETHANE	5.0
METHYLENE CHLORIDE	5.0
4-METHYL-2-PENTANONE	15
STYRENE	5.0
1,1,2,2-TETRACHLOROETHANE	5.0
TETRACHLOROETHENE	5.0
TOLUENE	5.0
1,1,1-TRICHLOROETHANE	5.0
1,1,2-TRICHLOROETHANE	5.0
TRICHLOROETHENE	5.0
TRICHLOROFLUOROMETHANE	5.0
VINYL ACETATE	20
VINYL CHLORIDE	5.0
TOTAL XYLENES	5.0

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604401

AEN'S DETECTION LIMITS FOR METHOD 8240 - AQUEOUS
5X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
TRICHLOROETHENE	25

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	AEN I.D.	: 604401
PROJECT #	: 042496-A	DATE RECEIVED	: 04/24/96
PROJECT NAME	: AGMP-2Q96	DATE ANALYZED	: 04/25/96
		SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	08	09	10	11
PH (150.1)	UNITS	7.69	7.67	7.65	8.10

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	AEN I.D.	: 604401
PROJECT #	: 042496-A	DATE RECEIVED	: 04/24/96
PROJECT NAME	: AGMP-2Q96	DATE ANALYZED	: 04/25/96
		SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	12	13	14
PH (150.1)	UNITS	7.87	8.27	7.88

American Environmental Network, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. AEN I.D. : 604401
PROJECT # : 042496-A SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-2Q96

PARAMETER	UNITS	AEN I.D.	SAMPLE RESULT	DUP. RESULT	RPD
PH	UNITS	60440108	7.68	7.85	2

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

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

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. AEN I.D.: 604401
PROJECT # : 042496-A
PROJECT NAME : AGMP-2Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
08	MW-19	AQUEOUS	04/24/96	NA	04/30/96	1
09	MW-20	AQUEOUS	04/24/96	NA	04/30/96	1
10	MW-9	AQUEOUS	04/24/96	NA	04/27/96	1

PARAMETER	UNITS	08	09	10
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	**UG/L**	<0.5	<0.5	**0.5**
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	<0.5	<0.5	**2.7**
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	**UG/L**	<0.3	<0.3	**3.0**
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**1.5**	<0.2	**46 D(10)**
CIS-1,2-DICHLOROETHENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	**UG/L**	<0.2	<0.2	**0.2**
METHYLENE CHLORIDE	**UG/L**	<2.0	<2.0	**49 D(10)**
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5	<0.5	<0.5
TETRACHLOROETHENE	**UG/L**	<0.5	<0.5	**2.7**
1,1,1-TRICHLOROETHANE	**UG/L**	<1.0	<1.0	**91 D(10)**
1,1,2-TRICHLOROETHANE	**UG/L**	<0.2	<0.2	**1.2**
TRICHLOROETHENE	**UG/L**	**88 D(5)**	**0.4**	**710 D(50)**
TRICHLOROFLUOROMETHANE	**UG/L**	<0.2	<0.2	**0.6**
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	80	79	81

D(10)=DILUTED 10X, ANALYZED 05/01/96
D(50)=DILUTED 50X, ANALYZED 05/01/96
D(5)=DILUTED 5X, ANALYZED 05/01/96

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. AEN I.D.: 604401
PROJECT # : 042496-A
PROJECT NAME : AGMP-2Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
11	MW-14	AQUEOUS	04/24/96	NA	04/30/96	1
12	MW-21	AQUEOUS	04/24/96	NA	04/26/96	1
13	FIELD BLANK	AQUEOUS	04/24/96	NA	04/30/96	1

PARAMETER	UNITS	11	12	13
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
BROMOFORM	UG/L	<0.5	<0.5	<0.5
BROMOMETHANE	UG/L	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2	<0.2	<0.2
CHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
CHLOROETHANE	UG/L	<0.5	<0.5	<0.5
CHLOROFORM	**UG/L**	**1.8**	<0.5	<0.5
CHLOROMETHANE	UG/L	<1.0	<1.0	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2	<0.2	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2	<0.2	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3	<0.3	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**16**	**5.6**	<0.2
CIS-1,2-DICHLOROETHENE	**UG/L**	**0.2**	<0.2	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2	<0.2	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2	<0.2
METHYLENE CHLORIDE	UG/L	<2.0	<2.0	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5	<0.5	<0.5
TETRACHLOROETHENE	**UG/L**	**1.5**	**1.7**	<0.5
1,1,1-TRICHLOROETHANE	**UG/L**	**6.7**	**65 D(10)**	<1.0
1,1,2-TRICHLOROETHANE	**UG/L**	**0.7**	<0.2	<0.2
TRICHLOROETHENE	**UG/L**	**420 D(50)**	**140 D(10)**	**0.3**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5	<0.5
SURROGATE:				
BROMOCHLOROMETHANE (%)		77	86	77

D(10)=DILUTED 10X, ANALYZED 04/30/96
D(50)=DILUTED 50X, ANALYZED 05/01/96

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. AEN I.D.: 604401
PROJECT # : 042496-A
PROJECT NAME : AGMP-2Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
14	TRIP BLANK	AQUEOUS	04/17/96	NA	05/01/96	1

PARAMETER	UNITS	14
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:
BROMOCHLOROMETHANE (%) 77

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604401
BLANK I.D.	: 042696	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042496-A	DATE ANALYZED	: 04/26/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	93

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604401
BLANK I.D.	: 042996	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042496-A	DATE ANALYZED	: 04/29/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	90

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604401
BLANK I.D.	: 043096	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042496-A	DATE ANALYZED	: 04/30/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	89

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604401
BLANK I.D.	: 050196	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042496-A	DATE ANALYZED	: 05/01/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	92

American Environmental Network, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 60440109	AEN I.D.	: 604401
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042496-A	DATE ANALYZED	: 05/02/96
PROJECT NAME	: AGMP-2Q96	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60440109	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
CHLOROBENZENE	<0.5	10.0	12.0	120	11.9	119	1
1,1-DICHLOROETHENE	<0.2	10.0	8.9	89	8.5	85	5
TRICHLOROETHENE	<0.3	10.0	12.4	124	12.5	125	1

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

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

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 604490
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604401
Project Name: SPARTON
Project Location: AGMP
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 604401-08			Lab ID: 001		
CONDUCTIVITY (120.1)	UMH/CM	740	1	CDW015	
Comments:					
Client ID: 604401-09			Lab ID: 002		
CONDUCTIVITY (120.1)	UMH/CM	620	1	CDW015	
Comments:					
Client ID: 604401-10			Lab ID: 003		
CONDUCTIVITY (120.1)	UMH/CM	780	1	CDW015	
Comments:					
Client ID: 604401-11			Lab ID: 004		
CONDUCTIVITY (120.1)	UMH/CM	690	1	CDW015	
Comments:					
Client ID: 604401-12			Lab ID: 005		
CONDUCTIVITY (120.1)	UMH/CM	580	1	CDW015	
Comments:					
Client ID: 604401-13			Lab ID: 006		
CONDUCTIVITY (120.1)	UMH/CM	3	1	CDW015	
Comments:					
Client ID: 604401-14			Lab ID: 007		
CONDUCTIVITY (120.1)	UMH/CM	2	1	CDW015	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 604490
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604401
Project Name: SPARTON
Project Location: AGMP
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received
604401-08	001	WATER	24-APR-96 1256	25-APR-96
604401-09	002	WATER	24-APR-96 1322	25-APR-96
604401-10	003	WATER	24-APR-96 1345	25-APR-96
604401-11	004	WATER	24-APR-96 1415	25-APR-96
604401-12	005	WATER	24-APR-96 1433	25-APR-96
604401-13	006	WATER	24-APR-96 1432	25-APR-96
604401-14	007	WATER	24-APR-96 1405	25-APR-96

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 604490
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604401
Project Name: SPARTON
Project Location: AGMP
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
604401-08	CONDUCTIVITY (120.1)	UMH/CM	740
604401-09	CONDUCTIVITY (120.1)	UMH/CM	620
604401-10	CONDUCTIVITY (120.1)	UMH/CM	780
604401-11	CONDUCTIVITY (120.1)	UMH/CM	690
604401-12	CONDUCTIVITY (120.1)	UMH/CM	580
604401-13	CONDUCTIVITY (120.1)	UMH/CM	3
604401-14	CONDUCTIVITY (120.1)	UMH/CM	2

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	CONDUCT'Y
Batch Id:	CDW015
Blank Result:	<1
Anal. Method:	120.1
Prep. Method:	N/A
Analysis Date:	26-APR-96
Prep. Date:	26-APR-96

Sample Duplication

Sample Dup:	604490-1
Rept Limit:	<1
Sample Result:	742
Dup Result:	743
Sample RPD:	0
Max RPD:	4
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	N/A
Rept Limit:	N/A
Sample Result:	
Spiked Result:	
Spike Added:	
% Recovery:	
% Rec Limits:	
Dry Weight%	

ICV

ICV Result:	1414
True Result:	1413
% Recovery:	100
% Rec Limits:	90-110

LCS

LCS Result:	296
True Result:	303
% Recovery:	98
% Rec Limits:	84-110

American Environmental Network, Inc.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3rd Edition, September 1986 and Revision 1, July 1992.
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH Manual of Analytical Methods, 3rd Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
NC = NICOLE CALL	NSB = NANCY S. BUTLER	MM = MARY MOLONEY
CF = CHRISTINE FOSTER	ED = ESTHER DANTIN	AB = ANDY BROTHERTON
AMC = A. MICKEY CROW	RH = RICKY HAGENDORFER	BH = BARRY HICK

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	001	Sample Date/Time:	24-APR-96 1256
Client Sample Id:	604401-08	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002	Sample Date/Time:	24-APR-96 1322
Client Sample Id:	604401-09	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	003	Sample Date/Time:	24-APR-96 1345
Client Sample Id:	604401-10	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	004	Sample Date/Time:	24-APR-96 1415
Client Sample Id:	604401-11	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	005	Sample Date/Time:	24-APR-96 1433
Client Sample Id:	604401-12	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	006	Sample Date/Time:	24-APR-96 1432
Client Sample Id:	604401-13	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604490
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604401
Project Name:	SPARTON
Project Location:	AGMP
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	007	Sample Date/Time:	24-APR-96 1405
Client Sample Id:	604401-14	Received Date:	25-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 604490
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604401
Project Name: SPARTON
Project Location: AGMP
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
604401-09	TOTAL ORGANIC CARBON	MG/L	1
604401-10	TOTAL ORGANIC CARBON	MG/L	2

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Blank Id: A Date Analyzed: 06-MAY-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Reagent
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

RS Date Analyzed: 06-MAY-96
RSD Date Analyzed: 06-MAY-96

RS Date Extracted: N/A
RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.5	97	6.0	90	7	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 604538-1

MS Date Analyzed: 06-MAY-96
MSD Date Analyzed: 06-MAY-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	8.4	125	8.3	124	1	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
SW = STEVE WILHITE
KW = KAREN WADSWORTH
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ

PARAGON ANALYTICS, INC.
225 Commerce Drive • Fort Collins, CO 80524 • (800) 443-1511 • (970) 490-1511 • FAX (970) 490-1522

May 9, 1996

Ms. Kimberly McNeill
American Environmental Network, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

RE: Paragon Workorder: 96-04-173
Client Project Name: AGMP
Client Project Number: 604401

Dear Ms. McNeill,

Seven water samples were received from American Environmental Network, Inc. on April 26, 1996. The samples were scheduled for Total Organic Halide analysis. The results for this analysis are contained in the enclosed report.

Should you have any questions, please call.

Sincerely,

John Whalen

Paragon Analytics, Inc.
John Whalen
Project Manager

JW/drb
Enclosure: report

004992

Paragon Analytics, Inc.

TOTAL ORGANIC HALIDE CASE NARRATIVE

Client ID	PAI-ID
604401-08	96-04-173-01
604401-09	96-04-173-02
604401-10	96-04-173-03
604401-11	96-04-173-04
604401-12	96-04-173-05
604401-13	96-04-173-06
604401-14	96-04-173-07

1. This report consists of seven water samples.

2. Samples were received cool and intact on April 26, 1996.

3. Samples had been correctly preserved for the requested analyses.

4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures (9020).

   A sample of water that has been protected against the loss of volatiles by the elimination of head space in the sampling container and that is free of undissolved solids is run through two micro-columns containing granular activated carbon (GAC). The sample containing GAC is then rinsed with a nitrate wash to eliminate any organic halide that may be present. After the rinse is complete the GAC is combusted--in a separate burn for each column--to form hydrogen halide (HX) that is coulometrically titrated with silver ion. An electric potential is applied to a solid silver electrode to produce silver ions in the cell. The current produced is integrated over the combustion period. The measurement of the total current required to replace the consumed silver ion and maintain a constant silver ion concentration in the cell is a direct measure of the organic halogen present in the combusted sample. The mass concentration of organic halides is reported as an equivalent concentration of organically bound chlorine. This SOP requires that all samples be analyzed in duplicate.

5. All standards and solutions were used within their recommended shelf life.

6. All samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.

004993

- A preparation (method) blank was extracted and analyzed with the samples in this batch and was below the reporting limits for total organic halides.
- All initial and continuing calibration verifications associated with this batch were in sequence and within acceptance criteria for total organic halides. This indicates a valid calibration and stable instrument conditions.

The data contained in the following report have been reviewed and approved by the personnel listed below:

T.L.	05/09/96
Analyst's Initials	Date
Steve Lochman	5/9/96
Reviewer	Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

TOTAL ORGANIC HALIDE

Method 9020 TOX

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Client Project ID: AGMP--604401
Lab Workorder Number: 96-04-173

Date Collected: 04/24/96
Date Extracted: 05/08/96
Date Analyzed: 05/08/96

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)	TOX Detection Limit
Reagent Blank	WRB96-04-173	100	<10	10
604401-08	96-04-173-01	100	25	10
604401-09	96-04-173-02	100	<10	10
604401-10	96-04-173-03	100	480	10
604401-11	96-04-173-04	100	300	10
604401-12	96-04-173-05	100	130	10
604401-13	96-04-173-06	100	<10	10
604401-14	96-04-173-07	100	<10	10

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Method 9020 TOX

Sample ID

In House

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Lab Sample ID: 96-04-172-02

Sample Matrix: Water

Date Extracted: 05/08/96
Date Analyzed: 05/08/96

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	20000	1420	20800	97

004996

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

~~604490~~ A/E 604401 DATE: 4/24 ~~4/25/96~~ PAGE 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: **Analytical Technologies of New Mexico, Inc.**
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: K McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry	Specific Conductance	Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			NUMBER OF CONTAINERS
604401 -08	4/24	1256	AQ	01							X	X		X																	
-09		1322		02							X	X		X																	
-10		1345		03							X	X		X																	
-11		1415		04							X	X		X																	
-12		1433		05							X	X		X																	
-13		1432		06							X	X		X																	
-14	4/27	1405		07							X	X		X																	

PROJECT INFORMATION

PROJECT NUMBER: 604401
PROJECT NAME: AGMP
QC LEVEL: BTO IV
QC REQUIRED: MS MSD BLANK
TAT: STANDARD RUSH!

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS
INTACT?
RECEIVED GOOD COND./COLD
LAB NUMBER ~~604490~~ A/E 4/25/96

DUE DATE: 5/10
RUSH SURCHARGE:
CLIENT DISCOUNT: 20
SPECIAL CERTIFICATION REQUIRED: ☐ YES ☐ NO

(*) Not Relinquished
(*)(*) - Recd via Fedex

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.
Signature: [signature] Time 1700
Printed Name: S.L. Caldwell Date 4/24/96
Analytical Technologies of New Mexico, Inc. Albuquerque

RECEIVED BY: 1.
Signature: [signature] Time: 0745
Printed Name: R. ELSPERMAN Date: 4/25/96
Company: AEN-FL

RELINQUISHED BY: 2.
Signature (*) Time
Printed Name Date
Company

RECEIVED BY: (LAB) 2.
Signature [signature] Time 900
Printed Name D Hull Date 4/26/96
Company Dunger

Paragon Analytics - Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT

CLIENT: AEN-NM SHIPPING CONTAINER #: Cooler

WORKORDER NO. 96-04-173 INITIALS: DA DATE: 4/26/96

1.	Does this project require special handling according to NEESA, Level 3, or CLP protocols? If yes, complete a. and b. a. Cooler Temperature_____ b. Lot No's._____ c. Airbill Number _____		Yes	No
2.	Are custody seals on the cooler intact? If so, how many _____	N/A	Yes	No
3.	Are custody seals on sample containers intact?	N/A	Yes	No
4.	Is there a Chain of Custody (COC) or other representative documents, letters or shipping memos?		Yes	No
5.	Is the COC complete? Relinquished: Yes___ No ✓ Requested Analysis: Yes ✓ No___		Yes	No
6.	Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes___ No___ No. of Containers: Yes ✓ No___		Yes	No
7.	Are the samples preserved correctly?	N/A	Yes	No
8.	Is there enough sample? If so, are they in the proper containers?		Yes	No
9.	Are all samples within holding times for the requested analyses?		Yes	No
10.	Were the sample received on ice?	N/A	Yes	No
11.	Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
12.	Are samples requiring no headspace, headspace free?	N/A	Yes	No
13.	Do the samples require quarantine?		Yes	No
14.	Do samples require ATI disposal?		Yes	No
15.	Did the client return any unused bottles?		Yes	No

Describe "NO" items (except No's 1, 13, &14): 5 not Relinquished

Was the client contacted? Yes_____ No_____

If yes, Date:_____ Name of person contacted:_____

Describe actions taken or client instructions:_____

Group Leader's Signature: [signature] Date: 4-26-96

Cooler Temperature:_____

004998

ATI FRM 201FC5 (2/21/96)

AnalyticalTechnologies of New Mexico, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque • Anchorage

CHAIN OF CUSTODY

DATE: 4-24-96 PAGE: 1 OF 1

ATLLAB I.D. 604401

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John M. Wakefield
COMPANY: Spanton Technology Inc.
ADDRESS: 9621 Coors Rd. NW
Albuquerque NM 87114
PHONE: 505-892-5300
FAX: 505 892-5515

BILL TO: "
COMPANY: "
ADDRESS: 4901 Rockaway Blvd.
Rio Rancho NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject		(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)		504 EDB ☐ / DBCP ☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS		Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Specific Conductance	General Chemistry: pH	TOC	TOX	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals: 004999		NUMBER OF CONTAINERS
MW-19	4-24-96	1256	H_2O	-08									X										X	X	X	X							7
MW-20	"	1322	"	-09									X										X	X	X	X							7
MW-9	"	1345	"	-10									X										X	X	X	X							7
MW-14	"	1415	"	-11									X										X	X	X	X							7
MW-21	"	1433	"	-12									X										X	X	X	X							7
Field Blank	4-24-96	1432	H_2O	-13									X										X	X	X	X							7
Trip Blank	4-17-96	1405	H_2O	-14									X										X	X	X	X							5

PROJECT INFORMATION	
PROJ. NO.:	042496-A
PROJ. NAME:	AGMP-2Q96
P.O. NO.:	
SHIPPED VIA:	Delivered
SAMPLE RECEIPT	
NO. CONTAINERS:	47
CUSTODY SEALS:	(Y/N) NA
RECEIVED INTACT:	Y
BLUE ICE/ICE:	9

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

CERTIFICATION REQUIRED: ☐ NM ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1515	Signature: Time: 1600
Printed Name: John M. Wakefield Date:	Printed Name: Peter H. Metzner Date: 4-24-96
Company: STI	Company: Metric Corp
RECEIVED BY: 1.	RECEIVED BY: (LAB) 2.
Signature: Time: 1515	Signature: Time: 1600
Printed Name: Peter H. Metzner Date: 4-24-96	Printed Name: John Caldwell Date: 4-24-96
Company: Metric Corp	Analytical Technologies of New Mexico

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody 604490

DATE: 4/29 PAGE 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: K McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry	Specific Conductance	Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			0005000	NUMBER OF CONTAINERS
604401 -08	4/24	1256	AQ	1							X	X		X																		
-09		1322		2							X	X		X																		
-10		1315		3							X	X		X																		
-11		1415		4							X	X		X																		
-12		1433		5							X	X		X																		
-13		1432		6							X	X		X																		
-14	4/27	1405		7							X	X		X																		

PROJECT INFORMATION	
PROJECT NUMBER:	604401
PROJECT NAME:	ACMP
QC LEVEL:	STD. IV
QC REQUIRED:	MS MSD BLANK
TAT:	STANDARD RUSH!
DUE DATE:	5/10
RUSH SURCHARGE:	
CLIENT DISCOUNT:	20
SPECIAL CERTIFICATION REQUIRED:	☐YES ☐NO

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	604490

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: [signature] Time: 1700	Signature: Time:
Printed Name: S.L. Caldwell Date: 4/29/96	Printed Name: Date:
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: [signature] Time: 0745	Signature: Time:
Printed Name: R. ELSPERMAN Date: 4/25/96	Printed Name: Date:
Company: AEN-FL	Company:

Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI Pink - ORIGINATOR

American Environmental Network, Inc.

AEN I.D. **604404** AGMP 2Q 1996
MW-16, 22
Rec. 5-22-96

May 21, 1996

Sparton Technology Inc.
4901 Rockaway Blvd SE
Rio Rancho, NM 87124

Project Name/Number: AGMP-2Q96 042596

Attention: John M. Wakefield

On **04/25/96**, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze **aqueous** 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.

EPA method 150.1 and 8010 analyses were performed by American Environmental Network (NM), Inc., Albuquerque, NM.

EPA method 9020 and 415.2 (for sample MW-22) analyses were performed by Paragon Analytics Inc., 225 Commerce Drive, Fort Collins, CO.

EPA method 120.1 and 415.1 (for sample MW-16) analyses were performed by American Environmental Network (FL) Inc., 11 east East Olive Road, Pensacola, FL.

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.
General Manager

MR:jt

Enclosure

005001

2709-D Pan American Freeway, NE • Albuquerque, NM 87107 • (505) 344-3777 • Fax (602) 344-4413

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGY INC.	DATE RECEIVED	: 04/25/96
PROJECT #	: 042596		
PROJECT NAME	: AGMP-2Q96	REPORT DATE	: 05/21/96

AEN ID: 604404

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	604404-01	MW-22	AQUEOUS	04/25/96
02	604404-02	MW-16	AQUEOUS	04/25/96

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	2

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.

American Environmental Network, Inc.

CLIENT : SPARTON TECHNOLOGY INC.
AEN ACCESSION #: 604404

METHOD	TEST	DATE ANALYZED	DETECTION LIMITS	ANALYST INITIALS
150.1	pH	04/25/96	-	DJ
8010	PURGEABLE HALOCARBONS	04/29/96 05/02/96 05/01/96 05/07/96	SEE DATA PAGES	PN
415.2	TOTAL ORGANIC CARBON - PARAGON ANALYTICS	05/10/96	1 MG/L	TK
9020	TOTAL ORGANIC HALIDE	05/01/96 05/08/96	10 UG/L (100 ML SAMPLE VOLUME) 1000 UG/L (1 ML SAMPLE VOLUME)	TK
120.1	CONDUCTIVITY	05/02/96	1 UMH/CM	RB
415.1	TOTAL ORGANIC CARBON - AEN (FL), INC.	05/06/96	1 MG/L	DWB

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604404

AEN'S DETECTION LIMITS FOR METHOD 8010-AQUEOUS
1X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	0.2
BROMOFORM	0.5
BROMOMETHANE	1.0
CARBON TETRACHLORIDE	0.2
CHLOROBENZENE	0.5
CHLOROETHANE	0.5
CHLOROFORM	0.5
CHLOROMETHANE	1.0
DIBROMOCHLOROMETHANE	0.2
1,2-DIBROMOETHANE (EDB)	0.2
1,2-DICHLOROBENZENE	0.5
1,3-DICHLOROBENZENE	0.5
1,4-DICHLOROBENZENE	0.5
1,1-DICHLOROETHANE	0.3
1,2-DICHLOROETHANE (EDC)	0.5
1,1-DICHLOROETHENE	0.2
CIS-1,2-DICHLOROETHENE	0.2
TRANS-1,2-DICHLOROETHENE	1.0
1,2-DICHLOROPROPANE	0.2
CIS-1,3-DICHLOROPROPENE	0.2
TRANS-1,3-DICHLOROPROPENE	0.2
METHYLENE CHLORIDE	2.0
1,1,2,2-TETRACHLOROETHANE	0.5
TETRACHLOROETHENE	0.5
1,1,1-TRICHLOROETHANE	1.0
1,1,2-TRICHLOROETHANE	0.2
TRICHLOROETHENE	0.3
TRICHLOROFLUOROMETHANE	0.2
VINYL CHLORIDE	0.5

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604404

AEN'S DETECTION LIMITS FOR METHOD 8010-AQUEOUS
10X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	2.0
BROMOFORM	5.0
BROMOMETHANE	10
CARBON TETRACHLORIDE	2.0
CHLOROBENZENE	5.0
CHLOROETHANE	5.0
CHLOROFORM	5.0
CHLOROMETHANE	10
DIBROMOCHLOROMETHANE	2.0
1,2-DIBROMOETHANE (EDB)	2.0
1,2-DICHLOROBENZENE	5.0
1,3-DICHLOROBENZENE	5.0
1,4-DICHLOROBENZENE	5.0
1,1-DICHLOROETHANE	3.0
1,2-DICHLOROETHANE (EDC)	5.0
1,1-DICHLOROETHENE	2.0
CIS-1,2-DICHLOROETHENE	2.0
TRANS-1,2-DICHLOROETHENE	10
1,2-DICHLOROPROPANE	2.0
CIS-1,3-DICHLOROPROPENE	2.0
TRANS-1,3-DICHLOROPROPENE	2.0
METHYLENE CHLORIDE	20
1,1,2,2-TETRACHLOROETHANE	5.0
TETRACHLOROETHENE	5.0
1,1,1-TRICHLOROETHANE	10
1,1,2-TRICHLOROETHANE	2.0
TRICHLOROETHENE	3.0
TRICHLOROFLUOROMETHANE	2.0
VINYL CHLORIDE	5.0

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604404

AEN'S DETECTION LIMITS FOR METHOD 8010-AQUEOUS
25X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	5.0
BROMOFORM	13
BROMOMETHANE	25
CARBON TETRACHLORIDE	5.0
CHLOROBENZENE	13
CHLOROETHANE	13
CHLOROFORM	13
CHLOROMETHANE	25
DIBROMOCHLOROMETHANE	5.0
1,2-DIBROMOETHANE (EDB)	5.0
1,2-DICHLOROBENZENE	13
1,3-DICHLOROBENZENE	13
1,4-DICHLOROBENZENE	13
1,1-DICHLOROETHANE	7.5
1,2-DICHLOROETHANE (EDC)	13
1,1-DICHLOROETHENE	5.0
CIS-1,2-DICHLOROETHENE	5.0
TRANS-1,2-DICHLOROETHENE	25
1,2-DICHLOROPROPANE	5.0
CIS-1,3-DICHLOROPROPENE	5.0
TRANS-1,3-DICHLOROPROPENE	5.0
METHYLENE CHLORIDE	50
1,1,2,2-TETRACHLOROETHANE	13
TETRACHLOROETHENE	13
1,1,1-TRICHLOROETHANE	25
1,1,2-TRICHLOROETHANE	5.0
TRICHLOROETHENE	7.5
TRICHLOROFLUOROMETHANE	5.0
VINYL CHLORIDE	13

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604404

AEN'S DETECTION LIMITS FOR METHOD 8010-AQUEOUS
100X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	20
BROMOFORM	50
BROMOMETHANE	100
CARBON TETRACHLORIDE	20
CHLOROBENZENE	50
CHLOROETHANE	50
CHLOROFORM	50
CHLOROMETHANE	100
DIBROMOCHLOROMETHANE	20
1,2-DIBROMOETHANE (EDB)	20
1,2-DICHLOROBENZENE	50
1,3-DICHLOROBENZENE	50
1,4-DICHLOROBENZENE	50
1,1-DICHLOROETHANE	30
1,2-DICHLOROETHANE (EDC)	50
1,1-DICHLOROETHENE	20
CIS-1,2-DICHLOROETHENE	20
TRANS-1,2-DICHLOROETHENE	100
1,2-DICHLOROPROPANE	20
CIS-1,3-DICHLOROPROPENE	20
TRANS-1,3-DICHLOROPROPENE	20
METHYLENE CHLORIDE	200
1,1,2,2-TETRACHLOROETHANE	50
TETRACHLOROETHENE	50
1,1,1-TRICHLOROETHANE	100
1,1,2-TRICHLOROETHANE	20
TRICHLOROETHENE	30
TRICHLOROFLUOROMETHANE	20
VINYL CHLORIDE	50

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSSION #: 604404

AEN'S DETECTION LIMITS FOR METHOD 8010-AQUEOUS
500X DILUTION

COMPOUND	DETECTION LIMIT (UG/L)
BROMODICHLOROMETHANE	100
BROMOFORM	250
BROMOMETHANE	500
CARBON TETRACHLORIDE	100
CHLOROBENZENE	250
CHLOROETHANE	250
CHLOROFORM	250
CHLOROMETHANE	500
DIBROMOCHLOROMETHANE	100
1,2-DIBROMOETHANE (EDB)	100
1,2-DICHLOROBENZENE	250
1,3-DICHLOROBENZENE	250
1,4-DICHLOROBENZENE	250
1,1-DICHLOROETHANE	150
1,2-DICHLOROETHANE (EDC)	250
1,1-DICHLOROETHENE	100
CIS-1,2-DICHLOROETHENE	100
TRANS-1,2-DICHLOROETHENE	500
1,2-DICHLOROPROPANE	100
CIS-1,3-DICHLOROPROPENE	100
TRANS-1,3-DICHLOROPROPENE	100
METHYLENE CHLORIDE	1000
1,1,2,2-TETRACHLOROETHANE	250
TETRACHLOROETHENE	250
1,1,1-TRICHLOROETHANE	500
1,1,2-TRICHLOROETHANE	100
TRICHLOROETHENE	150
TRICHLOROFLUOROMETHANE	100
VINYL CHLORIDE	250

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY INC.	AEN I.D.	: 604404
PROJECT #	: 042596	DATE RECEIVED	: 04/25/96
PROJECT NAME	: AGMP-2Q96	DATE ANALYZED	: 04/25/96
		SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	01	02
PH (150.1)	UNITS	7.50	7.95

American Environmental Network, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : SPARTON TECHNOLOGY INC. AEN I.D. : 604404
PROJECT # : 042596 SAMPLE MATRIX : AQUEOUS
PROJECT NAME : AGMP-2Q96

PARAMETER	UNITS	AEN I.D.	SAMPLE RESULT	DUP. RESULT	RPD
PH	UNITS	60440102	7.95	7.96	0.1

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

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

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 604539
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604404
Project Name: SPARTON TECHNOLOGY INC.
Project Location: AGMP-2Q96
Test: Group of Single Wetchem
Matrix: WATER
QC Level: II

Lab ID: 001
Client Sample Id: 604404-01
Sample Date/Time: 25-APR-96 1254
Received Date: 26-APR-96

Parameters:	Units:	Results:	Rpt Lmts:	Q:	Batch:	Analyst:
CONDUCTIVITY (120.1)	UMH/CM	710	1		CDW016	RB

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 604539
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604404
Project Name: SPARTON TECHNOLOGY INC.
Project Location: AGMP-2Q96
Test: Group of Single Wetchem
Matrix: WATER
QC Level: II

Lab ID: 002
Client Sample Id: 604404-02
Sample Date/Time: 25-APR-96 1417
Received Date: 26-APR-96

Parameters:	Units:	Results:	Rpt Lmts:	Q:	Batch:	Analyst:
CONDUCTIVITY (120.1)	UMH/CM	1000	1		CDW016	RB

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 604539
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604404
Project Name: SPARTON TECHNOLOGY INC.
Project Location: AGMP-2Q96
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
604404-01	CONDUCTIVITY (120.1)	UMH/CM	710
604404-02	CONDUCTIVITY (120.1)	UMH/CM	1000

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	604539
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	604404
Project Name:	SPARTON TECHNOLOGY INC.
Project Location:	AGMP-2Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002	Sample Date/Time:	25-APR-96 1417
Client Sample Id:	604404-02	Received Date:	26-APR-96
Batch: TOW025		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-MAY-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 604539
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 604404
Project Name: SPARTON TECHNOLOGY INC.
Project Location: AGMP-2Q96
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
604404-02	TOTAL ORGANIC CARBON	MG/L	1

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	CONDUCT'Y
Batch Id:	CDW016
Blank Result:	<1
Anal. Method:	120.1
Prep. Method:	N/A
Analysis Date:	02-MAY-96
Prep. Date:	02-MAY-96

Sample Duplication

Sample Dup:	604539-1
Rept Limit:	<1
Sample Result:	706
Dup Result:	706
Sample RPD:	0
Max RPD:	4
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	N/A
Rept Limit:	N/A
Sample Result:	
Spiked Result:	
Spike Added:	
% Recovery:	
% Rec Limits:	
Dry Weight%	

ICV

ICV Result:	1415
True Result:	1413
% Recovery:	100
% Rec Limits:	90-110

LCS

LCS Result:	291
True Result:	303
% Recovery:	96
% Rec Limits:	84-110

American Environmental Network, Inc.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.

(CA) = SEE CORRECTIVE ACTIONS FORM.

SW-846, 3rd Edition, September 1986 and Revision 1, July 1992.
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, 17TH ED., 1989
NIOSH Manual of Analytical Methods, 3rd Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.

2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.

3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
NC = NICOLE CALL	NSB = NANCY S. BUTLER	MM = MARY MOLONEY
CF = CHRISTINE FOSTER	ED = ESTHER DANTIN	AB = ANDY BROTHERTON
PLD = PAULA L. DOUGHTY	RH = RICKY HAGENDORFER	BH = BARRY HICK

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Blank Id: A Date Analyzed: 06-MAY-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Reagent
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

RS Date Analyzed: 06-MAY-96
RSD Date Analyzed: 06-MAY-96

RS Date Extracted: N/A
RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.5	97	6.0	90	7	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TOW025
Analysis Method: 415.1 / EPA 600 / 04-79-020, Rev. March 1983
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 604538-1

MS Date Analyzed: 06-MAY-96
MSD Date Analyzed: 06-MAY-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	8.4	125	8.3	124	1	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

LJT = LISA THOMASON
SW = STEVE WILHITE
KW = KAREN WADSWORTH
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY INC. AEN I.D.: 604404
PROJECT # : 042596
PROJECT NAME : AGMP-2Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-22	AQUEOUS	04/25/96	NA	04/29/96	1
02	MW-16	AQUEOUS	04/25/96	NA	05/02/96	1

PARAMETER	UNITS	01	02
BROMODICHLOROMETHANE	UG/L	<0.2	<0.2
BROMOFORM	**UG/L**	<0.5	**1.1**
BROMOMETHANE	UG/L	<1.0	<1.0
CARBON TETRACHLORIDE	**UG/L**	<0.2	**0.7**
CHLOROBENZENE	**UG/L**	<0.5	**1.8**
CHLOROETHANE	UG/L	<0.5	<0.5
CHLOROFORM	**UG/L**	<0.5	**3.9**
CHLOROMETHANE	UG/L	<1.0	<1.0
DIBROMOCHLOROMETHANE	**UG/L**	<0.2	**0.8**
1,2-DIBROMOETHANE (EDB)	**UG/L**	<0.2	**1.0**
1,2-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5	<0.5
1,1-DICHLOROETHANE	**UG/L**	<0.3	**3.0**
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5	<0.5
1,1-DICHLOROETHENE	**UG/L**	**9.2**	**110 D(25)**
CIS-1,2-DICHLOROETHENE	**UG/L**	<0.2	**0.3**
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0	<1.0
1,2-DICHLOROPROPANE	**UG/L**	<0.2	**0.3**
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2	<0.2
METHYLENE CHLORIDE	**UG/L**	<2.0	**3.0**
1,1,2,2-TETRACHLOROETHANE	**UG/L**	<0.5	**0.6**
TETRACHLOROETHENE	**UG/L**	**1.3**	**56 D(25)**
1,1,1-TRICHLOROETHANE	**UG/L**	**43 D(10)**	**1200 D(100)**
1,1,2-TRICHLOROETHANE	**UG/L**	<0.2	**5.2**
TRICHLOROETHENE	**UG/L**	**81 D(10)**	**9700 D(500)**
TRICHLOROFLUOROMETHANE	UG/L	<0.2	<0.2
VINYL CHLORIDE	UG/L	<0.5	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	89	84

D(10)=DILUTED 10X, ANALYZED 05/01/96
D(25)=DILUTED 25X, ANALYZED 05/02/96
D(100)=DILUTED 100X, ANALYZED 05/07/96
D(500)=DILUTED 500X, ANALYZED 05/02/96

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604404
BLANK I.D.	: 042996	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 04/29/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5
SURROGATE:		
BROMOCHLOROMETHANE (%)		90

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604404
BLANK I.D.	: 043096	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 04/30/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	89

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604404
BLANK I.D.	: 050196	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 05/01/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	92

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604404
BLANK I.D.	: 050296	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 05/02/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	89

American Environmental Network, Inc.

GAS CHROMATOGRAPHY RESULTS - QUALITY CONTROL

REAGENT BLANK

TEST	: EPA 8010	AEN I.D.	: 604404
BLANK I.D.	: 050796	MATRIX	: AQUEOUS
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 05/07/96
PROJECT NAME	: AGMP-2Q96	DIL. FACTOR	: 1

PARAMETER	UNITS	
BROMODICHLOROMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
CIS-1,2-DICHLOROETHENE	UG/L	<0.2
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)	87

American Environmental Network, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 60440109	AEN I.D.	: 604404
CLIENT	: SPARTON TECHNOLOGY INC.	DATE EXTRACTED	: NA
PROJECT #	: 042596	DATE ANALYZED	: 05/02/9
PROJECT NAME	: AGMP-2Q96	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60440109	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	R
CHLOROBENZENE	<0.5	10.0	12.0	120	11.9	119	
1,1-DICHLOROETHENE	<0.2	10.0	8.9	89	8.5	85	
TRICHLOROETHENE	<0.3	10.0	12.4	124	12.5	125	

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

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

PARAGON ANALYTICS, INC.
225 Commerce Drive • Fort Collins, CO 80524 • (800) 443-1511 • (970) 490-1511 • FAX (970) 490-1522

May 10, 1996

Ms. Kimberly McNeill
American Environmental Network, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107

RE: Paragon Workorder: 96-04-172
Client Project Name: AGMP
Client Project Number: 604404

Dear Ms. McNeill,

Two water samples were received from American Environmental Network, Inc. on April 26, 1996. The samples were scheduled for Total Organic Halide and Total Organic Carbon analysis. The results for these analyses are contained in the enclosed report.

Should you have any questions, please call.

Sincerely,

John Whalen

Paragon Analytics, Inc.
John Whalen
Project Manager

JW/drb
Enclosure: report

005029

ORGANIC CARBON CASE NARRATIVE

Client ID	PAI-ID
MW-22	96-04-172-01

1. This report consists of one water sample.

2. Sample was received cool and intact on April 26, 1996.

3. Sample had been correctly preserved for the requested analyses.

4. The sample was prepared for analysis based on method 415.2-Total Organic Carbon, and a method for the Dohrman DC-80 Total Organic Carbon System.

   Water samples were acidified by lowering the pH to less than two using sulfuric acid. The samples were sparged with oxygen for about ten minutes just prior to injection into the instrument to remove inorganic carbon. All samples were analyzed in duplicate. Analysis was performed by injecting a known volume of sample into the reaction cell of the Dohrman DC-80 Carbon Analyzer. Organic carbon was oxidized to CO2 in the reaction cell. The CO2 was stripped from the reaction cell by purging with oxygen and was measured using an infrared absorbance detector. Quantitations were based on a five point calibration curve which was run at the beginning of the analytical sequence.

5. All standards and solutions were used within their recommended shelf life.

6. Sample was prepared and analyzed within the established hold time.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
   - A reagent blank was prepared and analyzed with this batch of samples and was below reporting limits in TOC.
   - A second source (DEMAND) standard at 20.45ppm was run every ten injections to ensure the calibration curve is correct and that the instrument is continually running within working parameters.

The data contained in the following report have been reviewed and approved by the personnel listed below:

PK	05/10/96
Analyst's Initials	Date
Steve Wishman	5/10/96
Reviewer	Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

TOTAL ORGANIC CARBON

Method 415.2

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Client Project ID: AGMP--604404
Lab Workorder Number: 96-04-172

Date Collected: 04/25/96
Date Analyzed: 05/10/96

Sample Matrix: Water

Sample ID	Lab Sample ID	Volume Injected (mL)	TOC Conc. (mg/L)	TOC AVG	RPD
Reagent Blank	RB 96-04-172	1	< 1	< 1	N/A
MW-22	96-04-172-01	1	2		
	96-04-172-01DUP	1	2	2	0

Paragon Analytics, Inc.

TOTAL ORGANIC HALIDE CASE NARRATIVE

Client ID	PAI-ID
MW-22	96-04-172-01
MW-16	96-04-172-02

1. This report consists of two water samples.

2. Samples were received cool and intact on April 26, 1996.

3. Samples had been correctly preserved for the requested analyses.

4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures (9020).

   A sample of water that has been protected against the loss of volatiles by the elimination of head space in the sampling container and that is free of undissolved solids is run through two micro-columns containing granular activated carbon (GAC). The sample containing GAC is then rinsed with a nitrate wash to eliminate any organic halide that may be present. After the rinse is complete the GAC is combusted--in a separate burn for each column--to form hydrogen halide (HX) that is coulometrically titrated with silver ion. An electric potential is applied to a solid silver electrode to produce silver ions in the cell. The current produced is integrated over the combustion period. The measurement of the total current required to replace the consumed silver ion and maintain a constant silver ion concentration in the cell is a direct measure of the organic halogen present in the combusted sample. The mass concentration of organic halides is reported as an equivalent concentration of organically bound chlorine. This SOP requires that all samples be analyzed in duplicate.

5. All standards and solutions were used within their recommended shelf life.

6. All samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
   - A preparation (method) blank was extracted and analyzed with the samples in this batch and was below the reporting limits for total organic halides.
   - All initial and continuing calibration verifications associated with this batch were in sequence and within acceptance criteria for total organic halides. This indicates a valid calibration and stable instrument conditions.

The data contained in the following report have been reviewed and approved by the personnel listed below:

PK	05/09/96
Analyst's Initials	Date
Steve Workman	5/9/96
Reviewer	Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

TOTAL ORGANIC HALIDE

Method 9020 TOX

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Client Project ID: AGMP--604404
Lab Workorder Number: 96-04-172

Date Collected: 04/25/96
Date Extracted: 05/01,08/96
Date Analyzed: 05/01,08/96

Sample Matrix: Water

Sample ID	Lab Sample ID	Sample Volume (mL)	TOX Conc. (ug/L)	TOX Detection Limit
Reagent Blank	WRB96-04-172	100	<10	10
MW-22	96-04-172-01	100	80	10
MW-16	96-04-172-02	1	1400	10

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Method 9020 TOX

Sample ID

In House

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Lab Sample ID: 96-04-125-01

Sample Matrix: Water

Date Extracted: 05/01/96
Date Analyzed: 05/01/96

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	50	<10	57	114

005036

TOTAL ORGANIC HALIDE MATRIX SPIKE RESULTS

Method 9020 TOX

Sample ID

MW-16

Lab Name: Paragon Analytics, Inc.
Client Name: AEN-NM
Lab Sample ID: 96-04-172-02

Sample Matrix: Water

Date Extracted: 05/08/96
Date Analyzed: 05/08/96

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS Percent Recovery
2,4,6-Trichlorophenol	20000	1420	20800	97

005037

Analytical Technologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

10.09.172

DATE: 4/25 PAGE: 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: **Analytical Technologies of New Mexico, Inc.**
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: K. McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			005008	NUMBER OF CONTAINERS
604404-01	4/25	1254	AQ	01							X																						
-02	↓	1417	↓	02							X																						

PROJECT INFORMATION

PROJECT NUMBER: 604404
PROJECT NAME: AGMP
QC LEVEL: (STD) IV
QC REQUIRED: (MS) MSD BLANK
TAT: (STANDARD) RUSH!

DUE DATE: 5/13
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION REQUIRED: ☐YES ☐NO

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	

SAMPLES SENT TO:

SAN DIEGO	
FT. COLLINS	X
RENTON	
PENSACOLA	
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.
Signature: [signature] Time: 1700
Printed Name: John Caldwell Date: 4/25/96
Analytical Technologies of New Mexico, Inc. Albuquerque

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company: Fedex

RELINQUISHED BY: 2.
Signature: Time
Printed Name: Date
Company: Fedex

RECEIVED BY: (LAB) 2.
Signature: Time: 900
Printed Name: [signature] Date: 4/26/96
Company: Dunn

Paragon Analytics - Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT

CLIENT: AEN-NM SHIPPING CONTAINER #: Cooler

WORKORDER NO. 96-04-172 INITIALS: [illegible] DATE: 4/26/96

1.	Does this project require special handling according to NEESA, Level 3, or CLP protocols? If yes, complete a. and b. a. Cooler Temperature_____ b. Lot No's._____ c. Airbill Number _____		Yes	(No)
2.	Are custody seals on the cooler intact? If so, how many _____	(N/A)	Yes	No
3.	Are custody seals on sample containers intact?	(N/A)	Yes	No
4.	Is there a Chain of Custody (COC) or other representative documents, letters or shipping memos?		(Yes)	No
5.	Is the COC complete? Relinquished: Yes ✓ No__ Requested Analysis: Yes ✓ No__		(Yes)	No
6.	Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No__ Sample ID's: Yes ✓ No__ Matrix: Yes ✓ No__ No. of Containers: Yes ✓ No__		(Yes)	No
7.	Are the samples preserved correctly?	N/A	(Yes)	No
8.	Is there enough sample? If so, are they in the proper containers?		(Yes)	No
9.	Are all samples within holding times for the requested analyses?		(Yes)	No
10.	Were the sample received on ice?	N/A	(Yes)	No
11.	Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
12.	Are samples requiring no headspace, headspace free?	(N/A)	Yes	No
13.	Do the samples require quarantine?		Yes	(No)
14.	Do samples require ATI disposal?		Yes	(No)
15.	Did the client return any unused bottles?		Yes	(No)

Describe "NO" items (except No's 1, 13, &14):_____

Was the client contacted? Yes____ No____

If yes, Date:_____ Name of person contacted:_____

Describe actions taken or client instructions:_____

Group Leader's Signature: [signature] Date: 4-26-96

Cooler Temperature: -2°C

ATI FRM 201FCS (2/21/96)

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

CHAIN OF CUSTODY

DATE: 4-25-96 PAGE 1 OF 1

ATI LAB I.D. 604404

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

PROJECT MANAGER: John M. Wakefield

COMPANY: Spanton Technology Inc.
ADDRESS: 9621 Coors Rd. NW
Albuquerque NM 87124
PHONE: 505-892-5300
FAX: 505-892-5515

BILL TO: "
COMPANY: "
ADDRESS: 4901 Rockaway Blvd.
Rio Rancho NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	pH	Electrical Conductivity	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	TOX	TOC	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)			SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	005040	NUMBER OF CONTAINERS
MW-22	4-25-96	1254	H_2O	-01					X	X	X			X	X																	7
MW-16	"	1417	"	-02					X	X	X			X	X																	7

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.: 042596		NO. CONTAINERS	14
PROJ. NAME: AGMP-2Q96		CUSTODY SEALS	Y (N) NA
P.O. NO.:		RECEIVED INTACT	Y
SHIPPED VIA: Delivered		RECEIVED COLD	19°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 15:21	Signature: Time:	Signature: Time:
Printed Name: John M. Wakefield Date: 4-26-96	Printed Name: Date:	Printed Name: Date:
Company: STI Phone: 892-5300	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: [signature] Time: 1521
Printed Name: Date:	Printed Name: Date:	Printed Name: John Cardwell Date: 4/25/96
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

AnalyticalTechnologies of New Mexico, Inc.
Albuquerque, New Mexico

Interlab Chain of Custody

604539 DATE: 4/25 PAGE 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: Analytical Technologies of New Mexico, Inc.
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: K. McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)		EC	TOX	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			005041	NUMBER OF CONTAINERS
604404 -01	4/25	1254	AQ	1						X		X																					
-02	↓	1411	↓	2						X		X																					

PROJECT INFORMATION	
PROJECT NUMBER:	604404
PROJECT NAME:	AGMP
QC LEVEL:	(STD) IV
QC REQUIRED:	MS MSD BLANK
TAT:	(STANDARD) RUSH!

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	604539

DUE DATE: 5/13
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION REQUIRED: ☐ YES ☐ NO

SAMPLES SENT TO:	
SAN DIEGO	
FT. COLLINS	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: John Caldwell Time: 1700	Signature: Time
Printed Name: John Caldwell Date: 4/25	Printed Name: Date
Analytical Technologies of New Mexico, Inc. Albuquerque	Company:
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time: 0900	Signature: Time:
Printed Name: R. ELSPERMAN Date: 4/26/96	Printed Name: Date:
Company: AEN-FL	Company:

SECTION 11

THIRD QUARTER, 1996

LABORATORY REPORT

American Environmental Network, Inc.

AEN I.D. **607333**

AGMP - 3Q96
Rec. 8-9-96
MW-15 Pvy

August 7, 1996

Sparton Technology, Inc.
4901 Rockaway Blvd. NE
Rio Rancho, NM 87124

Project Name/Number: AGMP-3Q96 71796

Attention: John Wakefield

On **07/17/96**, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze **aqueous** 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.

Trip blank was analyzed outside twelve hour BFB window (EPA CRITERIA). The trip blank could not be reanalyzed due to insufficient volume. However, since no compounds were detected, there is no further action required.

EPA Method 8240 analyses were performed by American Environmental Network (NM), Inc., Albuquerque, NM.

All other analyses were performed by American Environmental Network (FL) Inc., 11 east East Olive Road, Pensacola, FL.

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.
General Manager

MR:ft

Enclosure

005043

2709-D Pan American Freeway, NE • Albuquerque, NM 87107 • (505) 344-3777 • Fax (602) 344-4413

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGY, INC.	DATE RECEIVED	: 07/17/96
PROJECT #	: 71796		
PROJECT NAME	: AGMP-3Q96	REPORT DATE	: 08/07/96

AEN ID: 6073330

AEN #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	07/17/96
02	MW-20	AQUEOUS	07/17/96
03	MW-14	AQUEOUS	07/17/96
04	MW-9	AQUEOUS	07/17/96
05	MW-21	AQUEOUS	07/17/96
06	MW-16	AQUEOUS	07/17/96
07	MW-22	AQUEOUS	07/17/96
08	FIELD BLANK	AQUEOUS	07/17/96
09	TRIP BLANK	AQUEOUS	07/09/96

---TOTALS---

MATRIX	#SAMPLES
AQUEOUS	9

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.

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.

ACCESSION #: 607333

METHOD	TEST	DATE(S) ANALYZED	DETECTION LIMITS	ANALYST INITIALS
353.2	NITRITE-NITRATE NITROGEN	7/17/96 7/26/96	0.1 MG/L 0.3 MG/L (SAMPLE 03,07)	JL/RB
8240	VOLATILE ORGANIC	7/28/96 7/31/96	SEE APPENDED PAGES	MGC
150.1	PH	7/18/96	NONE	TLD/JL
325.3	CHLORIDE	7/29/96	1 MG/L	AB
120.1/2510 B	CONDUCTIVITY	7/22/96	1 UMH/CM	PLD
375.4	SULFATE	7/22/96	50 MG/L 10 MG/L (SAMPLE 08,09)	SG
351.2	TOTAL KJELDAHL NITROGEN	7/29/96	0.5 MG/L 2.5 MG/L (SAMPLE 06)	NSB
7196	TRIVALENT CHROMIUM	7/18/96	0.01 MG/L 0.02 (SAMPLE 03)	JL
200.7	BORON	7/30/96	0.09 MG/L	JR
200.7	CHROMIUM	7/30/96	0.01 MG/L	JR
200.7	MANGANESE	7/30/96	0.01 MG/L	JR
200.7	SODIUM	7/30/96	0.01 MG/L	JR
200.7	NICKEL	7/30/96	0.01 MG/L	JR
415.1	TOTAL ORGANIC CARBON	7/25/96	1 MG/L	DWB
9020	TOTAL ORGANIC HALIDE	7/19/96 7/20/96 7/22/96 7/23/96 7/24/96 7/29/96	0.01 MG/L 0.1 MG/L (SAMPLE 05,08,09)	JBT

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSION #: 607333

AEN'S DETECTION LIMITS FOR METHOD 8240-AQUEOUS

COMPOUND:	DETECTION LIMIT (UG/L)				
	1X DILUTION	2X DILUTION	5X DILUTION	10X DILUTION	50X DILUTION
ACETONE	10	20	50	100	500
ACROLEIN	5.0	10	25	50	250
ACRYLONITRILE	5.0	10	25	50	250
BENZENE	1.0	2.0	5.0	10	50
BROMODICHLOROMETHANE	1.0	2.0	5.0	10	50
BROMOFORM	1.0	2.0	5.0	10	50
BROMOMETHANE	1.0	2.0	5.0	10	50
2-BUTANONE	10	20	50	100	500
CARBON DISULFIDE	1.0	2.0	5.0	10	50
CARBON TETRACHLORIDE	1.0	2.0	5.0	10	50
CHLOROBENZENE	1.0	2.0	5.0	10	50
CHLOROETHANE	1.0	2.0	5.0	10	50
2-CHLOROETHYL VINYL ETHER	10	20	50	100	500
CHLOROFORM	1.0	2.0	5.0	10	50
CHLOROMETHANE	1.0	2.0	5.0	10	50
DIBROMOCHLOROMETHANE	1.0	2.0	5.0	10	50
DIBROMOMETHANE	1.0	2.0	5.0	10	50
1,2-DIBROMOMETHANE	1.0	2.0	5.0	10	50
1,2-DICHLOROBENZENE	1.0	2.0	5.0	10	50
1,3-DICHLOROBENZENE	1.0	2.0	5.0	10	50
1,4-DICHLOROBENZENE	1.0	2.0	5.0	10	50
DICHLORODIFLUOROMETHANE	1.0	2.0	5.0	10	50
1,1-DICHLOROTHANE	1.0	2.0	5.0	10	50
1,2-DICHLOROTHANE	1.0	2.0	5.0	10	50
1,1-DICHLOROTHENE	1.0	2.0	5.0	10	50
cis-1,2-DICHLOROTHENE	1.0	2.0	5.0	10	50
trans-1,3-DICHLOROTHENE	1.0	2.0	5.0	10	50
1,2-DICHLOROPROPANE	1.0	2.0	5.0	10	50
cis-1,2-DICHLOROPROENE	1.0	2.0	5.0	10	50
trans-1,2-DICHLOROPROENE	1.0	2.0	5.0	10	50
ETHYLBENZENE	1.0	2.0	5.0	10	50
2-HEXANONE	10	20	50	100	500
IODOMETHANE	1.0	2.0	5.0	10	50
METHLYLENE CHLORIDE	1.0	2.0	5.0	10	50
4-METHYL-2-PENTANONE	10	20	50	100	500
STYRENE	1.0	2.0	5.0	10	50

American Environmental Network, Inc.

CLIENT: SPARTON TECHNOLOGY, INC.
AEN ACCESSION #: 607333

AEN'S DETECTION LIMITS FOR METHOD 8240-AQUEOUS

COMPOUND:	DETECTION LIMIT (UG/L)				
	1X DILUTION	2X DILUTION	5X DILUTION	10X DILUTION	50X DILUTION
1,1,2,2-TETRACHLOROTHANE	1.0	2.0	5.0	10	50
TETRACHLOROETHENE	1.0	2.0	5.0	10	50
TOLUENE	1.0	2.0	5.0	10	50
1,1,1-TRICHLOROETHANE	1.0	2.0	5.0	10	50
1,1,2-TRICHLOROETHANE	1.0	2.0	5.0	10	50
TRICHLOROETHENE	1.0	2.0	5.0	10	50
TRICHLOROFLUOROMETHANE	1.0	2.0	5.0	10	50
1,2,3-TRICHLOROPROPANE	1.0	2.0	5.0	10	50
trans-1,4-DICHLORO-2-BUTENE	1.0	2.0	5.0	10	50
VINYL ACETATE	1.0	2.0	5.0	10	50
VINYL CHLORIDE	1.0	2.0	5.0	10	50
TOTAL XYLENES	1.0	2.0	5.0	10	50

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: NITRATE, NITROGEN (353.2-354.1)
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-01			Lab ID: 001		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.1	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	2.1	0.1	NONE	
Comments:					
Client ID: 607333-02			Lab ID: 002		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	1.1	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	1.1	0.1	NONE	
Comments:					
Client ID: 607333-03			Lab ID: 003		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	9.6	0.3	N3W31A	+
NITRATE, NITROGEN (353.2-354.1)	MG/L	9.6	0.1	NONE	
Comments:					
Client ID: 607333-04			Lab ID: 004		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.9	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	2.9	0.1	NONE	
Comments:					
Client ID: 607333-05			Lab ID: 005		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.8	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	2.8	0.1	NONE	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: NITRATE, NITROGEN (353.2-354.1)
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-06			Lab ID: 006		
NITRITE, NITROGEN (354.1)	MG/L	0.1	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	4.4	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	4.3	0.1	NONE	
Comments:					
Client ID: 607333-07			Lab ID: 007		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	5.0	0.3	N3W31A	+
NITRATE, NITROGEN (353.2-354.1)	MG/L	5.0	0.1	NONE	
Comments:					
Client ID: 607333-08			Lab ID: 008		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	ND	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	ND	0.1	NONE	
Comments:					
Client ID: 607333-09			Lab ID: 009		
NITRITE, NITROGEN (354.1)	MG/L	ND	0.1	N2W076	
NITRITE-NITRATE, NITROGEN (353.2)	MG/L	ND	0.1	N3W31A	
NITRATE, NITROGEN (353.2-354.1)	MG/L	ND	0.1	NONE	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: NITRATE, NITROGEN (353.2-354.1)

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
607333-01	001	WATER	17-JUL-96 0905	18-JUL-96
607333-02	002	WATER	17-JUL-96 0920	18-JUL-96
607333-03	003	WATER	17-JUL-96 1024	18-JUL-96
607333-04	004	WATER	17-JUL-96 1012	18-JUL-96
607333-05	005	WATER	17-JUL-96 1315	18-JUL-96
607333-06	006	WATER	17-JUL-96 1213	18-JUL-96
607333-07	007	WATER	17-JUL-96 1330	18-JUL-96
607333-08	008	WATER	17-JUL-96 1154	18-JUL-96
607333-09	009	WATER	17-JUL-96 1000	18-JUL-96

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: NITRATE, NITROGEN (353.2-354.1)

Client Sample Id:	Parameter:	Unit:	Result:
607333-01	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.1
	NITRATE, NITROGEN (353.2-354.1)	MG/L	2.1
607333-02	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	1.1
	NITRATE, NITROGEN (353.2-354.1)	MG/L	1.1
607333-03	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	9.6
	NITRATE, NITROGEN (353.2-354.1)	MG/L	9.6
607333-04	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.9
	NITRATE, NITROGEN (353.2-354.1)	MG/L	2.9
607333-05	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	2.8
	NITRATE, NITROGEN (353.2-354.1)	MG/L	2.8
607333-06	NITRITE, NITROGEN (354.1)	MG/L	0.1
	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	4.4
	NITRATE, NITROGEN (353.2-354.1)	MG/L	4.3
607333-07	NITRITE-NITRATE, NITROGEN (353.2)	MG/L	5.0
	NITRATE, NITROGEN (353.2-354.1)	MG/L	5.0

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	NO2	NO2NO3
Batch Id:	N2W076	N3W31A
Blank Result:	<0.1	<0.1
Anal. Method:	354.1	353.2
Prep. Method:	N/A	N/A
Analysis Date:	17-JUL-96	26-JUL-96
Prep. Date:	17-JUL-96	26-JUL-96

Sample Duplication

Sample Dup:	607307-1	607373-1
Rept Limit:	<0.1	<0.1
Sample Result:	<0.1	2.13
Dup Result:	<0.1	2.24
Sample RPD:	N/C	5
Max RPD:	0.1	20
Dry Weight%	N/A	N/A

Matrix Spike

Sample Spiked:	607307-1	607373-1
Rept Limit:	<0.1	<0.1
Sample Result:	<0.1	2.13
Spiked Result:	0.9	2.19
Spike Added:	1.0	1.00
% Recovery:	90	6**
% Rec Limits:	90-115	75-125
Dry Weight%	N/A	N/A

ICV

ICV Result:	0.20	1.97
True Result:	0.20	2.00
% Recovery:	100	99
% Rec Limits:	90-110	90-110

LCS

LCS Result:		
True Result:		
% Recovery:		
% Rec Limits:		

American Environmental Network, Inc.

"Quality Control Comments"

Batch Id:	Comments:
N2W076	TIME ON: 7/17/96 @ 1350
N2W076	TIME OFF: 7/17/96 @ 1350
N2W076	ANALYST: JL/RB
N2W076	607373-1,2,3,4,5,6,7,8,9 WERE ADDED TO BATCH ON 7/18/96.
N2W076	607391-2 WAS ADDED TO BATCH ON 7/19/96.

American Environmental Network, Inc.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DISTILLATION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DISTILLATION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.
(CA) = SEE CORRECTIVE ACTIONS FORM.
**= MATRIX INTERFERENCE
SW-846, 3rd Edition, latest revision
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, For the Examination of Water and Wastewater, 18TH ED., 1992
NIOSH Manual of Analytical Methods, 4th Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.
METHODS FOR THE DETERMINATION OF INORGANIC SUBSTANCES IN ENVIRONMENTAL SAMPLES, EPA600/R-93/100, AUGUST 1993

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.
2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.
3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
JL = JAN LECLEAR	NSB = NANCY S. BUTLER	MM = MIKE MCKENZIE
CF = CHRISTINE FOSTER	ED = ESTHER DANTIN	AB = ANDY BROTHERTON
PLD = PAULA L. DOUGHTY	RH = RICKY HAGENDORFER	BH = BARRY HICKS

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-01			Lab ID: 001		
CHLORIDE (325.3)	MG/L	26	1	CIW039	
CONDUCTIVITY (120.1/2510 B)	UMH/CM	740	1	CDW027	
PH (150.1)	UNITS	7.8	NA	PHW142	
SULFATE (375.4)	MG/L	96	50	SEW043	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	ND	0.5	TAW26P	
Comments:					
Client ID: 607333-02			Lab ID: 002		
CHLORIDE (325.3)	MG/L	25	1	CIW039	
CONDUCTIVITY (120.1/2510 B)	UMH/CM	670	1	CDW027	
PH (150.1)	UNITS	8.0	NA	PHW142	
SULFATE (375.4)	MG/L	79	50	SEW043	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	ND	0.5	TAW26P	
Comments:					
Client ID: 607333-03			Lab ID: 003		
CHLORIDE (325.3)	MG/L	22	1	CIW039	
CONDUCTIVITY (120.1/2510 B)	UMH/CM	680	1	CDW027	
PH (150.1)	UNITS	8.6	NA	PHW142	
SULFATE (375.4)	MG/L	140	50	SEW043	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	ND	0.5	TAW26P	
Comments:					
Client ID: 607333-04			Lab ID: 004		
CHLORIDE (325.3)	MG/L	13	1	CIW039	
CONDUCTIVITY (120.1/2510 B)	UMH/CM	760	1	CDW027	
PH (150.1)	UNITS	8.0	NA	PHW142	
SULFATE (375.4)	MG/L	140	50	SEW043	+
TOTAL KJELDAHL NITROGEN (351.2)	MG/L	0.8	0.5	TAW26P	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
607333-01	001	WATER	17-JUL-96 0905	18-JUL-96
607333-02	002	WATER	17-JUL-96 0920	18-JUL-96
607333-03	003	WATER	17-JUL-96 1024	18-JUL-96
607333-04	004	WATER	17-JUL-96 1012	18-JUL-96
607333-05	005	WATER	17-JUL-96 1315	18-JUL-96
607333-06	006	WATER	17-JUL-96 1213	18-JUL-96
607333-07	007	WATER	17-JUL-96 1330	18-JUL-96
607333-08	008	WATER	17-JUL-96 1154	18-JUL-96
607333-09	009	WATER	17-JUL-96 1000	18-JUL-96

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
607333-01	CHLORIDE (325.3)	MG/L	26
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	740
	PH (150.1)	UNITS	7.8
	SULFATE (375.4)	MG/L	96
607333-02	CHLORIDE (325.3)	MG/L	25
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	670
	PH (150.1)	UNITS	8.0
	SULFATE (375.4)	MG/L	79
607333-03	CHLORIDE (325.3)	MG/L	22
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	680
	PH (150.1)	UNITS	8.6
	SULFATE (375.4)	MG/L	140
607333-04	CHLORIDE (325.3)	MG/L	13
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	760
	PH (150.1)	UNITS	8.0
	SULFATE (375.4)	MG/L	140
	TOTAL KJELDAHL NITROGEN (351.2)	MG/L	0.8
607333-05	CHLORIDE (325.3)	MG/L	17
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	610
	PH (150.1)	UNITS	8.3
	SULFATE (375.4)	MG/L	82
607333-06	CHLORIDE (325.3)	MG/L	48
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	1100
	PH (150.1)	UNITS	8.3
	SULFATE (375.4)	MG/L	110
	TOTAL KJELDAHL NITROGEN (351.2)	MG/L	61
607333-07	CHLORIDE (325.3)	MG/L	19
	CONDUCTIVITY (120.1/2510 B)	UMH/CM	700
	PH (150.1)	UNITS	8.1
	SULFATE (375.4)	MG/L	70
	TOTAL KJELDAHL NITROGEN (351.2)	MG/L	0.8
607333-08	CONDUCTIVITY (120.1/2510 B)	UMH/CM	2
	PH (150.1)	UNITS	6.5
607333-09	CONDUCTIVITY (120.1/2510 B)	UMH/CM	2
	PH (150.1)	UNITS	6.3

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	CHLORIDE	CONDUCT'Y	PH	SULFATE	TKN AUTO
Batch Id:	CIW039	CDW027	PHW142	SEW043	TAW26P
Blank Result:	<1	<1	N/A	<10	<0.5
Anal. Method:	325.3	120.1	150.1	375.4	351.2
Prep. Method:	N/A	N/A	N/A	N/A	N/A
Analysis Date:	29-JUL-96	22-JUL-96	18-JUL-96	22-JUL-96	29-JUL-96
Prep. Date:	29-JUL-96	22-JUL-96	18-JUL-96	22-JUL-96	23-JUL-96
Sample Duplication					
Sample Dup:	607373-1	607373-1	607372-1	607226-1	607315-1
Rept Limit:	<1	<1	N/A	<100+	<0.5
Sample Result:	26.3	741	8.17	360	0.58
Dup Result:	26.3	738	8.20	378	0.47
Sample RPD:	0	0	0.03	18G	0.11G
Max RPD:	6	4	0.12	100	0.5
Dry Weight%	N/A	N/A	N/A	N/A	N/A
Matrix Spike					
Sample Spiked:	607373-1	N/A	N/A	607226-1	607315-1
Rept Limit:	<1	N/A	N/A	<250+	<0.5
Sample Result:	26.3			360	0.58
Spiked Result:	82.6			792	3.76
Spike Added:	55.0			500	4.00
% Recovery:	102			86	80
% Rec Limits:	89-110			51-151	75-125
Dry Weight%	N/A			N/A	N/A
ICV					
ICV Result:	101	1389	9.80	19	9.71
True Result:	100	1413	10.00	20	10.00
% Recovery:	101	98	98	95	97
% Rec Limits:	90-110	90-110	90-110	90-110	90-110
LCS					
LCS Result:		314	6.66		8.92
True Result:		303	6.87		10.00
% Recovery:		104	97		89
% Rec Limits:		84-110	97-103		75-125

American Environmental Network, Inc.

"Quality Control Comments"

Batch Id:	Comments:
TAW26P	607484-1,2; 607486-1,2; 607489-1,2; 607519-1 WERE ADDED TO BATCH ON 7/25/96.

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
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* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.
(CA) = SEE CORRECTIVE ACTIONS FORM.
**= MATRIX INTERFERENCE
SW-846, 3rd Edition, latest revision
EPA 600/4-79-020, Revised March 1983.
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METHODS FOR THE DETERMINATION OF INORGANIC SUBSTANCES IN ENVIRONMENTAL SAMPLES, EPA600/R-93/100, AUGUST 1993

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2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.
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RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
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PLD = PAULA L. DOUGHTY	RH = RICKY HAGENDORFER	BH = BARRY HICKS

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TRIVALENT CHROMIUM
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-01			Lab ID: 001		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-02			Lab ID: 002		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-03			Lab ID: 003		
HEXAVALENT CHROME (7196)	MG/L	1.3	0.02	HCW013	+
TRIVALENT CHROMIUM	MG/L	ND	0.02	NONE	+
Comments:					
Client ID: 607333-04			Lab ID: 004		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-05			Lab ID: 005		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-06			Lab ID: 006		
HEXAVALENT CHROME (7196)	MG/L	0.13	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-07			Lab ID: 007		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TRIVALENT CHROMIUM
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-08			Lab ID: 008		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					
Client ID: 607333-09			Lab ID: 009		
HEXAVALENT CHROME (7196)	MG/L	ND	0.01	HCW013	
TRIVALENT CHROMIUM	MG/L	ND	0.01	NONE	
Comments:					

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TRIVALENT CHROMIUM

Client Sample Id:	Parameter:	Unit:	Result:
607333-03	HEXAVALENT CHROME (7196)	MG/L	1.3
607333-06	HEXAVALENT CHROME (7196)	MG/L	0.13

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TRIVALENT CHROMIUM

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
607333-01	001	WATER	17-JUL-96 0905	18-JUL-96
607333-02	002	WATER	17-JUL-96 0920	18-JUL-96
607333-03	003	WATER	17-JUL-96 1024	18-JUL-96
607333-04	004	WATER	17-JUL-96 1012	18-JUL-96
607333-05	005	WATER	17-JUL-96 1315	18-JUL-96
607333-06	006	WATER	17-JUL-96 1213	18-JUL-96
607333-07	007	WATER	17-JUL-96 1330	18-JUL-96
607333-08	008	WATER	17-JUL-96 1154	18-JUL-96
607333-09	009	WATER	17-JUL-96 1000	18-JUL-96

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	HEX,CR.
Batch Id:	HCW013
Blank Result:	<0.01
Anal. Method:	7196
Prep. Method:	N/A
Analysis Date:	18-JUL-96
Prep. Date:	18-JUL-96

Sample Duplication

Sample Dup:	607373-1
Rept Limit:	<0.01
Sample Result:	<0.01
Dup Result:	<0.01
Sample RPD:	N/C
Max RPD:	0.01
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	607373-1
Rept Limit:	<0.01
Sample Result:	<0.01
Spiked Result:	0.515
Spike Added:	0.500
% Recovery:	103
% Rec Limits:	85-115
Dry Weight%	N/A

ICV

ICV Result:	0.357
True Result:	0.350
% Recovery:	102
% Rec Limits:	90-110

LCS

LCS Result:	
True Result:	
% Recovery:	
% Rec Limits:	

----- Common Footnotes WetChem -----

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American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Metals
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-01			Lab ID:001		
BORON (200.7)	MG/L	0.13	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	0.01	0.01	G0W152	
SODIUM (200.7)	MG/L	56	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-02			Lab ID:002		
BORON (200.7)	MG/L	0.10	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	0.84	0.01	G0W152	
SODIUM (200.7)	MG/L	47	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-03			Lab ID:003		
BORON (200.7)	MG/L	1.3	0.09	O0W152	
CHROMIUM (200.7)	MG/L	1.3	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	53	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-04			Lab ID:004		
BORON (200.7)	MG/L	1.4	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	0.01	0.01	G0W152	
SODIUM (200.7)	MG/L	70	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-05			Lab ID:005		
BORON (200.7)	MG/L	0.13	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	43	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Metals
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 607333-06			Lab ID:006		
BORON (200.7)	MG/L	0.53	0.09	O0W152	
CHROMIUM (200.7)	MG/L	0.13	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	58	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-07			Lab ID:007		
BORON (200.7)	MG/L	0.19	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	44	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-08			Lab ID:008		
BORON (200.7)	MG/L	ND	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	ND	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					
Client ID: 607333-09			Lab ID:009		
BORON (200.7)	MG/L	ND	0.09	O0W152	
CHROMIUM (200.7)	MG/L	ND	0.01	H0W152	
MANGANESE (200.7)	MG/L	ND	0.01	G0W152	
SODIUM (200.7)	MG/L	0.5	0.2	10W152	
NICKEL (200.7)	MG/L	ND	0.02	E0W152	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Metals

Client Id:	Lab Id:	Matrix:	Date/Time Sampled:	Date Received:
607333-01	001	WATER	17-JUL-96 0905	18-JUL-96
607333-02	002	WATER	17-JUL-96 0920	18-JUL-96
607333-03	003	WATER	17-JUL-96 1024	18-JUL-96
607333-04	004	WATER	17-JUL-96 1012	18-JUL-96
607333-05	005	WATER	17-JUL-96 1315	18-JUL-96
607333-06	006	WATER	17-JUL-96 1213	18-JUL-96
607333-07	007	WATER	17-JUL-96 1330	18-JUL-96
607333-08	008	WATER	17-JUL-96 1154	18-JUL-96
607333-09	009	WATER	17-JUL-96 1000	18-JUL-96

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: Group of Single Metals

Client Sample Id:	Parameter:	Unit:	Result:
607333-01	BORON (200.7)	MG/L	0.13
	MANGANESE (200.7)	MG/L	0.01
	SODIUM (200.7)	MG/L	56
607333-02	BORON (200.7)	MG/L	0.10
	MANGANESE (200.7)	MG/L	0.84
	SODIUM (200.7)	MG/L	47
607333-03	BORON (200.7)	MG/L	1.3
	CHROMIUM (200.7)	MG/L	1.3
	SODIUM (200.7)	MG/L	53
607333-04	BORON (200.7)	MG/L	1.4
	MANGANESE (200.7)	MG/L	0.01
	SODIUM (200.7)	MG/L	70
607333-05	BORON (200.7)	MG/L	0.13
	SODIUM (200.7)	MG/L	43
607333-06	BORON (200.7)	MG/L	0.53
	CHROMIUM (200.7)	MG/L	0.13
	SODIUM (200.7)	MG/L	58
607333-07	BORON (200.7)	MG/L	0.19
	SODIUM (200.7)	MG/L	44
607333-09	SODIUM (200.7)	MG/L	0.5

American Environmental Network, Inc.

"Metals Quality Control Report"

Parameter:	BORON	CHROMIUM	MANGANESE	SODIUM	NICKEL
Batch Id:	O0W152	H0W152	G0W152	10W152	E0W152
Blank Result:	<0.09	<0.01	<0.01	<0.2	<0.02
Anal. Method:	200.7	200.7	200.7	200.7	200.7
Prep. Method:	EPA 600	EPA 600	EPA 600	EPA 600	EPA 600
Analysis Date:	30-JUL-96	30-JUL-96	30-JUL-96	30-JUL-96	30-JUL-96
Prep. Date:	29-JUL-96	29-JUL-96	29-JUL-96	29-JUL-96	29-JUL-96
Sample Duplication					
Sample Dup:	607373-1	607373-1	607373-1	607373-1	607373-1
Rept Limit:	<0.09	<0.01	<0.01	<0.2	<0.02
Sample Result:	2.2	2.0	2.0	76	2.0
Dup Result:	2.1	2.0	2.0	74	2.0
Sample RPD:	5	0	0	3	0
Max RPD:	20	20	20	20	20
Dry Weight%	N/A	N/A	N/A	N/A	N/A
Matrix Spike					
Sample Spiked:	607373-1	607373-1	607373-1	607373-1	607373-1
Rept Limit:	<0.09	<0.01	<0.01	<0.2	<0.02
Sample Result:	0.13	<0.01	0.01	56	<0.02
Spiked Result:	2.2	2.0	2.0	76	2.0
Spike Added:	2.0	2.0	2.0	20	2.0
% Recovery:	104	100	100	100	100
% Rec Limits:	75-125	75-125	75-125	75-125	75-125
Dry Weight%	N/A	N/A	N/A	N/A	N/A
ICV					
ICV Result:	5.1	5.1	5.0	10.1	5.0
True Result:	5.0	5.0	5.0	10	5.0
% Recovery:	102	102	100	101	100
% Rec Limits:	90-110	90-110	90-110	90-110	90-110
LCS					
LCS Result:	2.1	2.1	2.0	21	2.1
True Result:	2.0	2.0	2.0	20	2.0
% Recovery:	105	105	100	105	105
% Rec Limits:	80-120	80-120	80-120	80-120	80-120

American Environmental Network, Inc.

"Quality Control Comments"

Batch Id:	Comments:
O0W152	ANALYST: JR
O0W152	The results reported under "Sample Duplication" are the MS/MSD.
H0W152	ANALYST: JR
H0W152	The results reported under "Sample Duplication" are the MS/MSD.
G0W152	ANALYST: JR
G0W152	The results reported under "Sample Duplication" are the MS/MSD.
10W152	ANALYST: JR
10W152	The results reported under "Sample Duplication" are the MS/MSD.
E0W152	ANALYST: JR
E0W152	The results reported under "Sample Duplication" are the MS/MSD.

American Environmental Network, Inc.

----- Common Footnotes Metals -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
J = (FLORIDA DEP 'J' FLAG) - MATRIX SPIKE AND POST SPIKE RECOVERY IS OUT OF THE ACCEPTABLE RANGE. SEE OUT OF CONTROL EVENTS FORM.
U = (FLORIDA DEP 'U' FLAG) - THE COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED.
* S = METHOD OF STANDARD ADDITIONS (MSA) WAS PERFORMED ON THIS SAMPLE.

FROM ANALYSIS REPORT:
RL= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.
Q= QUALIFIER (FOOTNOTE)

FROM QUALITY CONTROL REPORT:
RPD= RELATIVE PERCENT DEVIATION.
RPT LIMIT= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.

NOTE: THE UNITS REPORTED ON THE QUALITY CONTROL REPORT ARE REPORTED ON AN AS RUN BASIS.

SW-846, 3rd Edition, latest revision.
EPA 600/4-79-020, Revised March 1983.
NIOSH Manual of Analytical Methods, 4th Edition.
Standard Methods For the Examination of Water and Wastewater, 18th Edition, 1992.
Methods For the Determination of Metals in Environmental Samples - Supplement I, EPA 600/R-94-111, May 1994.

GJ = GARY JACOBS
JLH = JAMES L. HERED
CD = CHRISTY DRAPER
JR = JOHN REED
LV = LASSANDRA VON APPEN

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	001	Sample Date/Time:	17-JUL-96 0905
Client Sample Id:	607333-01	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002	Sample Date/Time:	17-JUL-96 0920
Client Sample Id:	607333-02	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	003	Sample Date/Time:	17-JUL-96 1024
Client Sample Id:	607333-03	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	004		Sample Date/Time:	17-JUL-96 1012
Client Sample Id:	607333-04		Received Date:	18-JUL-96
Batch: TOW057			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	005	Sample Date/Time:	17-JUL-96 1315
Client Sample Id:	607333-05	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	006	Sample Date/Time:	17-JUL-96 1213
Client Sample Id:	607333-06	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	007	Sample Date/Time:	17-JUL-96 1330
Client Sample Id:	607333-07	Received Date:	18-JUL-96
Batch: TOW057		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	008		Sample Date/Time:	17-JUL-96 1154
Client Sample Id:	607333-08		Received Date:	18-JUL-96
Batch: TOW057			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
607333-01	TOTAL ORGANIC CARBON	MG/L	1
607333-02	TOTAL ORGANIC CARBON	MG/L	1
607333-03	TOTAL ORGANIC CARBON	MG/L	2
607333-04	TOTAL ORGANIC CARBON	MG/L	2
607333-05	TOTAL ORGANIC CARBON	MG/L	1
607333-06	TOTAL ORGANIC CARBON	MG/L	1

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TOW057
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Blank Id: A Date Analyzed: 25-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Reagent
Batch: TOW057
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

RS Date Analyzed: 25-JUL-96
RSD Date Analyzed: 25-JUL-96

RS Date Extracted: N/A
RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.9	103	6.7	100	3	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TOW057
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 607449-2

MS Date Analyzed: 25-JUL-96
MSD Date Analyzed: 25-JUL-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	2	7.8	87	8.2	93	7	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	009		Sample Date/Time:	17-JUL-96 1000
Client Sample Id:	607333-09		Received Date:	18-JUL-96
Batch: TOW057			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	25-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW = STEVE WILHITE
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ
JBT = JENNIFER TORRANCE

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	001	Sample Date/Time:	17-JUL-96 0905
Client Sample Id:	607333-01	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	19-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.014	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	002	Sample Date/Time:	17-JUL-96 0920
Client Sample Id:	607333-02	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	20-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	003	Sample Date/Time:	17-JUL-96 1024
Client Sample Id:	607333-03	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	20-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.31	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	004	Sample Date/Time:	17-JUL-96 1012
Client Sample Id:	607333-04	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: C	Dry Weight %: N/A	Analysis Date:	22-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.59	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	005		Sample Date/Time:	17-JUL-96 1315
Client Sample Id:	607333-05		Received Date:	18-JUL-96
Batch: TXW006			Extraction Date:	N/A
Blank: D	Dry Weight %:	N/A	Analysis Date:	23-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.23	0.1	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	006	Sample Date/Time:	17-JUL-96 1213
Client Sample Id:	607333-06	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: D	Dry Weight %: N/A	Analysis Date:	23-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	3.6	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 007
Client Sample Id: 607333-07

Sample Date/Time: 17-JUL-96 1330
Received Date: 18-JUL-96

Batch: TXW008
Blank: B

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 29-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.25	0.01	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TOTAL ORGANIC HALIDES IN WATER
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A
Matrix: WATER
QC Level: IIM

Lab Id: 008 Sample Date/Time: 17-JUL-96 1154
Client Sample Id: 607333-08 Received Date: 18-JUL-96

Batch: TXW006 Extraction Date: N/A
Blank: E Dry Weight %: N/A Analysis Date: 24-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.1	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	607373
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	607333
Project Name:	A6MP-3Q96
Project Location:	SPARTON
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	009	Sample Date/Time:	17-JUL-96 1000
Client Sample Id:	607333-09	Received Date:	18-JUL-96
Batch: TXW006		Extraction Date:	N/A
Blank: E	Dry Weight %: N/A	Analysis Date:	24-JUL-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.1	
ANALYST	INITIALS	JBT		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 607373
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 607333
Project Name: A6MP-3Q96
Project Location: SPARTON
Test: TOTAL ORGANIC HALIDES IN WATER

Client Sample Id:	Parameter:	Unit:	Result:
607333-01	TOTAL ORGANIC HALIDES	MG/L	0.014
607333-03	TOTAL ORGANIC HALIDES	MG/L	0.31
607333-04	TOTAL ORGANIC HALIDES	MG/L	0.59
607333-05	TOTAL ORGANIC HALIDES	MG/L	0.23
607333-06	TOTAL ORGANIC HALIDES	MG/L	3.6
607333-07	TOTAL ORGANIC HALIDES	MG/L	0.25

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: A Date Analyzed: 19-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 20-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: C Date Analyzed: 22-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: D Date Analyzed: 23-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW008
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 29-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: E Date Analyzed: 24-JUL-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	JBT	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TXW006
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 607426-3&4

MS Date Analyzed: 22-JUL-96
MSD Date Analyzed: 22-JUL-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.050	0.013	0.060	94	0.063	100	6	20	80-120

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TXW008
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 6607532-1

MS Date Analyzed: 29-JUL-96
MSD Date Analyzed: 29-JUL-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.50	0.12	0.49	74*	0.55	86	15	20	80-120

Surrogates:

Comments:
MATRIX SPIKE/MATRIX SPIKE DUPLICATE HAD RECOVERY(S) AND/OR RPD(S) OUTSIDE ACCEPTANCE LIMITS DUE TO MATRIX INTERFERENCE. REFER TO REAGENT SPIKE/REAGENT SPIKE DUPLICATE DATA.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

ATI/GC/FID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

ATI/GC/FIX
ATI GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

ATI/GC/FPD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

ATI/GC/PID
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

ATI/GC/TCD
ATI GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW = STEVE WILHITE
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY KUST
DWB = DAVID W. BOWERS
RP = ROB PEREZ
JBT = JENNIFER TORRANCE

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-01	MW-19	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	**1.1**	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	**11**	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-01	MW-19	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	113 (76-114)
Toluene-d8	101 (88-110)
Bromofluorobenzene	105 (86-115)

005110

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240			
CLIENT	: SPARTON	AEN I.D.	:	607333
PROJECT #	: 71796	DATE RECEIVED	:	7/17/96
PROJECT NAME	: AGMP-3Q96			

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-02	MW-20	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-02	MW-20	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	114 (76-114)
Toluene-d8	101 (88-110)
Bromofluorobenzene	105 (86-115)

005112

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-03	MW-14	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	**19**	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	**1.5**	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	**5.5**	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	**300 D(10)**	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	**1.2**	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-03	MW-14	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

D(10)= DILUTED 10X, ANALYZED 7/28/96

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	114 (76-114)
Toluene-d8	96 (88-110)
Bromofluorobenzene	103 (86-115)

005114

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-04	MW-9	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	5.0	<5.0	ug/L
Chloromethane	5.0	<5.0	ug/L
Vinyl Chloride	5.0	<5.0	ug/L
Bromomethane	5.0	<5.0	ug/L
Chloroethane	5.0	<5.0	ug/L
Trichlorofluoromethane	5.0	<5.0	ug/L
Acetone	50	<50	ug/L
Acrolein	25	<25	ug/L
1,1-Dichloroethene	5.0	**49**	ug/L
Iodomethane	5.0	<5.0	ug/L
Methylene Chloride	5.0	**74**	ug/L
Acrylonitrile	25	<25	ug/L
cis-1,2-Dichloroethene	5.0	<5.0	ug/L
1,1-Dichloroethane	5.0	***2.7(D2)**	ug/L
trans-1,2-Dichloroethene	5.0	<5.0	ug/L
2-Butanone	50	<50	ug/L
Carbon Disulfide	5.0	<5.0	ug/L
Chloroform	5.0	***2.5(D2)**	ug/L
1,2-Dichloroethane	5.0	<5.0	ug/L
Vinyl Acetate	5.0	<5.0	ug/L
1,1,1-Trichloroethane	5.0	**51**	ug/L
Carbon Tetrachloride	5.0	<5.0	ug/L
Benzene	5.0	<5.0	ug/L
1,2-Dichloropropane	5.0	<5.0	ug/L
Trichloroethene	5.0	**460**	ug/L
Bromodichloromethane	5.0	<5.0	ug/L
2-Chloroethyl Vinyl Ether	50	<50	ug/L
cis-1,3-Dichloropropene	5.0	<5.0	ug/L
trans-1,3-Dichloropropene	5.0	<5.0	ug/L
1,1,2-Trichloroethane	5.0	<5.0	ug/L
Dibromomethane	5.0	<5.0	ug/L
Toluene	5.0	<5.0	ug/L
1,2-Dibromoethane	5.0	<5.0	ug/L
4-Methyl-2-Pentanone	50	<50	ug/L
2-Hexanone	50	<50	ug/L
Dibromochloromethane	5.0	<5.0	ug/L
Tetrachloroethene	5.0	***1.9(D2)**	ug/L
Chlorobenzene	5.0	<5.0	ug/L
Ethylbenzene	5.0	<5.0	ug/L
m&p Xylenes	5.0	<5.0	ug/L
o-Xylene	5.0	<5.0	ug/L
Styrene	5.0	<5.0	ug/L
Bromoform	5.0	<5.0	ug/L
1,1,2,2-Tetrachloroethane	5.0	<5.0	ug/L
1,2,3-Trichloropropane	5.0	<5.0	ug/L
trans-1,4-Dichloro-2-Butene	5.0	<5.0	ug/L
1,3-Dichlorobenzene	5.0	<5.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240			
CLIENT	: SPARTON	AEN I.D.	:	607333
PROJECT #	: 71796	DATE RECEIVED	:	7/17/96
PROJECT NAME	: AGMP-3Q96			

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-04	MW-9	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
1,4-Dichlorobenzene	5.0	<5.0	ug/L
1,2-Dichlorobenzene	5.0	<5.0	ug/L

(D2)= RE-ANALYZED 7/31/96 AT HIGHER CONCENTRATION, HOWEVER, ONE SURROGATE, UNRELATED TO THE QUANTITATION OF THESE ANALYTES, WAS 2% OUTSIDE QC CRITERIA

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	114
	(76-114)
Toluene-d8	99
	(88-110)
Bromofluorobenzene	105
	(86-115)

005116

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-05	MW-21	AQUEOUS	7/17/96	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	**11**	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	**72**	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	**180**	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	**1.4**	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-05	MW-21	AQUEOUS	7/17/96	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	114 (76-114)
Toluene-d8	98 (88-110)
Bromofluorobenzene	110 (86-115)

005118

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-06	MW-16	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	5.0	<5.0	ug/L
Chloromethane	5.0	<5.0	ug/L
Vinyl Chloride	5.0	<5.0	ug/L
Bromomethane	5.0	<5.0	ug/L
Chloroethane	5.0	<5.0	ug/L
Trichlorofluoromethane	5.0	<5.0	ug/L
Acetone	50	<50	ug/L
Acrolein	25	<25	ug/L
1,1-Dichloroethene	5.0	**170**	ug/L
Iodomethane	5.0	<5.0	ug/L
Methylene Chloride	5.0	<5.0	ug/L
Acrylonitrile	25	<25	ug/L
cis-1,2-Dichloroethene	5.0	<5.0	ug/L
1,1-Dichloroethane	5.0	<5.0	ug/L
trans-1,2-Dichloroethene	5.0	<5.0	ug/L
2-Butanone	50	<50	ug/L
Carbon Disulfide	5.0	<5.0	ug/L
Chloroform	5.0	<5.0	ug/L
1,2-Dichloroethane	5.0	<5.0	ug/L
Vinyl Acetate	5.0	<5.0	ug/L
1,1,1-Trichloroethane	5.0	**1800(D50)**	ug/L
Carbon Tetrachloride	5.0	<5.0	ug/L
Benzene	5.0	<5.0	ug/L
1,2-Dichloropropane	5.0	<5.0	ug/L
Trichloroethene	5.0	**7400(D50)**	ug/L
Bromodichloromethane	5.0	<5.0	ug/L
2-Chloroethyl Vinyl Ether	50	<50	ug/L
cis-1,3-Dichloropropene	5.0	<5.0	ug/L
trans-1,3-Dichloropropene	5.0	<5.0	ug/L
1,1,2-Trichloroethane	5.0	**6.8**	ug/L
Dibromomethane	5.0	<5.0	ug/L
Toluene	5.0	<5.0	ug/L
1,2-Dibromoethane	5.0	<5.0	ug/L
4-Methyl-2-Pentanone	50	<50	ug/L
2-Hexanone	50	<50	ug/L
Dibromochloromethane	5.0	<5.0	ug/L
Tetrachloroethene	5.0	**54**	ug/L
Chlorobenzene	5.0	<5.0	ug/L
Ethylbenzene	5.0	<5.0	ug/L
m&p Xylenes	5.0	<5.0	ug/L
o-Xylene	5.0	<5.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-06	MW-16	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	5.0	<5.0	ug/L
Bromoform	5.0	<5.0	ug/L
1,1,2,2-Tetrachloroethane	5.0	<5.0	ug/L
1,2,3-Trichloropropane	5.0	<5.0	ug/L
trans-1,4-Dichloro-2-Butene	5.0	<5.0	ug/L
1,3-Dichlorobenzene	5.0	<5.0	ug/L
1,4-Dichlorobenzene	5.0	<5.0	ug/L
1,2-Dichlorobenzene	5.0	<5.0	ug/L

D(50)= Diluted 50x, analyzed 7/31/96

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	113 (76-114)
Toluene-d8	102 (88-110)
Bromofluorobenzene	106 (86-115)

005120

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-07	MW-22	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	5.0	<5.0	ug/L
Chloromethane	5.0	<5.0	ug/L
Vinyl Chloride	5.0	<5.0	ug/L
Bromomethane	5.0	<5.0	ug/L
Chloroethane	5.0	<5.0	ug/L
Trichlorofluoromethane	5.0	<5.0	ug/L
Acetone	50	<50	ug/L
Acrolein	25	<25	ug/L
1,1-Dichloroethene	5.0	**9.0**	ug/L
Iodomethane	5.0	<5.0	ug/L
Methylene Chloride	5.0	<5.0	ug/L
Acrylonitrile	25	<25	ug/L
cis-1,2-Dichloroethene	5.0	<5.0	ug/L
1,1-Dichloroethane	5.0	<5.0	ug/L
trans-1,2-Dichloroethene	5.0	<5.0	ug/L
2-Butanone	50	<50	ug/L
Carbon Disulfide	5.0	<5.0	ug/L
Chloroform	5.0	<5.0	ug/L
1,2-Dichloroethane	5.0	<5.0	ug/L
Vinyl Acetate	5.0	<5.0	ug/L
1,1,1-Trichloroethane	5.0	**26**	ug/L
Carbon Tetrachloride	5.0	<5.0	ug/L
Benzene	5.0	<5.0	ug/L
1,2-Dichloropropane	5.0	<5.0	ug/L
Trichloroethene	5.0	**43**	ug/L
Bromodichloromethane	5.0	<5.0	ug/L
2-Chloroethyl Vinyl Ether	50	<50	ug/L
cis-1,3-Dichloropropene	5.0	<5.0	ug/L
trans-1,3-Dichloropropene	5.0	<5.0	ug/L
1,1,2-Trichloroethane	5.0	<5.0	ug/L
Dibromomethane	5.0	<5.0	ug/L
Toluene	5.0	<5.0	ug/L
1,2-Dibromoethane	5.0	<5.0	ug/L
4-Methyl-2-Pentanone	50	<50	ug/L
2-Hexanone	50	<50	ug/L
Dibromochloromethane	5.0	<5.0	ug/L
Tetrachloroethene	5.0	<5.0	ug/L
Chlorobenzene	5.0	<5.0	ug/L
Ethylbenzene	5.0	<5.0	ug/L
m&p Xylenes	5.0	<5.0	ug/L
o-Xylene	5.0	<5.0	ug/L

005121

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-07	MW-22	AQUEOUS	7/17/96	N/A	07/30/96	5

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	5.0	<5.0	ug/L
Bromoform	5.0	<5.0	ug/L
1,1,2,2-Tetrachloroethane	5.0	<5.0	ug/L
1,2,3-Trichloropropane	5.0	<5.0	ug/L
trans-1,4-Dichloro-2-Butene	5.0	<5.0	ug/L
1,3-Dichlorobenzene	5.0	<5.0	ug/L
1,4-Dichlorobenzene	5.0	<5.0	ug/L
1,2-Dichlorobenzene	5.0	<5.0	ug/L

SAMPLE WAS RE-ANALYZED AT NO DILUTION WHICH YEILDED THE SAME RESULTS AS THE 5X DILUTION. THE 5X DILUTION IS BEING REPORTED BECAUSE IT IS WITHIN ALL QC ACCEPTANCE CRITERIA.

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	107 (76-114)
Toluene-d8	99 (88-110)
Bromofluorobenzene	107 (86-115)

005122

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-08	FIELD BLANK	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

005123

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-08	FIELD BLANK	AQUEOUS	7/17/96	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	111 (76-114)
Toluene-d8	98 (88-110)
Bromofluorobenzene	105 (86-115)

005124

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-09	TRIP BLANK	AQUEOUS	N/A	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
607333-09	TRIP BLANK	AQUEOUS	N/A	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	107 (76-114)
Toluene-d8	100 (88-110)
Bromofluorobenzene	105 (86-115)

005126

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	METH. BLNK.	AQUEOUS	N/A	N/A	07/27/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: 7/17/96
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	METH. BLNK.	AQUEOUS	N/A	N/A	07/27/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	98 (76-114)
Toluene-d8	101 (88-110)
Bromofluorobenzene	106 (86-115)

005128

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: N/A
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	Meth. Blnk	AQUEOUS	N/A	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: N/A
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	Meth. Blnk	AQUEOUS	N/A	N/A	07/30/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	101 (76-114)
Toluene-d8	102 (88-110)
Bromofluorobenzene	105 (86-115)

005130

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: N/A
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
Reag. Blnk.	Meth. Blnk	AQUEOUS	N/A	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Dichlorodifluoromethane	1.0	<1.0	ug/L
Chloromethane	1.0	<1.0	ug/L
Vinyl Chloride	1.0	<1.0	ug/L
Bromomethane	1.0	<1.0	ug/L
Chloroethane	1.0	<1.0	ug/L
Trichlorofluoromethane	1.0	<1.0	ug/L
Acetone	10	<10	ug/L
Acrolein	5.0	<5.0	ug/L
1,1-Dichloroethene	1.0	<1.0	ug/L
Iodomethane	1.0	<1.0	ug/L
Methylene Chloride	1.0	<1.0	ug/L
Acrylonitrile	5.0	<5.0	ug/L
cis-1,2-Dichloroethene	1.0	<1.0	ug/L
1,1-Dichloroethane	1.0	<1.0	ug/L
trans-1,2-Dichloroethene	1.0	<1.0	ug/L
2-Butanone	10	<10	ug/L
Carbon Disulfide	1.0	<1.0	ug/L
Chloroform	1.0	<1.0	ug/L
1,2-Dichloroethane	1.0	<1.0	ug/L
Vinyl Acetate	1.0	<1.0	ug/L
1,1,1-Trichloroethane	1.0	<1.0	ug/L
Carbon Tetrachloride	1.0	<1.0	ug/L
Benzene	1.0	<1.0	ug/L
1,2-Dichloropropane	1.0	<1.0	ug/L
Trichloroethene	1.0	<1.0	ug/L
Bromodichloromethane	1.0	<1.0	ug/L
2-Chloroethyl Vinyl Ether	10	<10	ug/L
cis-1,3-Dichloropropene	1.0	<1.0	ug/L
trans-1,3-Dichloropropene	1.0	<1.0	ug/L
1,1,2-Trichloroethane	1.0	<1.0	ug/L
Dibromomethane	1.0	<1.0	ug/L
Toluene	1.0	<1.0	ug/L
1,2-Dibromoethane	1.0	<1.0	ug/L
4-Methyl-2-Pentanone	10	<10	ug/L
2-Hexanone	10	<10	ug/L
Dibromochloromethane	1.0	<1.0	ug/L
Tetrachloroethene	1.0	<1.0	ug/L
Chlorobenzene	1.0	<1.0	ug/L
Ethylbenzene	1.0	<1.0	ug/L
m&p Xylenes	1.0	<1.0	ug/L
o-Xylene	1.0	<1.0	ug/L

American Environmental Network, Inc.

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
CLIENT	: SPARTON	AEN I.D.	: 607333
PROJECT #	: 71796	DATE RECEIVED	: N/A
PROJECT NAME	: AGMP-3Q96		

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
Reag. Blnk.	Meth. Blnk	AQUEOUS	N/A	N/A	07/31/96	1

PARAMETER	DET. LIMIT	RESULTS	UNITS
Styrene	1.0	<1.0	ug/L
Bromoform	1.0	<1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0	<1.0	ug/L
1,2,3-Trichloropropane	1.0	<1.0	ug/L
trans-1,4-Dichloro-2-Butene	1.0	<1.0	ug/L
1,3-Dichlorobenzene	1.0	<1.0	ug/L
1,4-Dichlorobenzene	1.0	<1.0	ug/L
1,2-Dichlorobenzene	1.0	<1.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	109 (76-114)
Toluene-d8	99 (88-110)
Bromofluorobenzene	109 (86-115)

005132

American Environmental Network, Inc.

GC/MS - QUALITY CONTROL

MSMSD

TEST	: VOLATILE ORGANICS EPA METHOD 8240		
MSMSD #	: 60736401	AEN I.D.	: 607333
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 71796	DATE ANALYZED	: 07/27/96
PROJECT NAME	: AGMP-3Q96	SAMPLE MATRIX	: AQUEOUS
REF. I.D.	: 60736401	UNITS	: UG/L

PARAMETER	SAMPLE CONC	SPIKE ADDED	SPIKE RES	DUP RES	SPIKE % REC	DUP % REC	RPD
1,1-DICHLOROETHENE	0.0	50	47	44	94	88	6
BENZENE	0.0	50	51	51	102	102	0
TRICHLOROETHENE	0.0	50	46	46	93	93	0
TOLUENE	0.8	50	51	52	101	102	1
CHLOROBENZENE	0.0	50	51	52	102	105	2

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

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

CHAIN OF CUSTODY

DATE: 7-17-96 PAGE 1 OF 1

ATI LAB I.D. 607383

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd, NW
Albuquerque, NM 87114
PHONE: (505)892-5300
FAX: (505)892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	TOX	TOC	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	pH, F, Cl, SO_4, Nitrate	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TKN	B, Mn, Ni, Na, Cr^{+3}	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	005134	NUMBER OF CONTAINERS
MW-19	7-17-96	0905	H_2O	-01					X	X				X	X				X		X	X										9
MW-20	"	0920	H_2O	-02					X	X				X	X				X		X	X										9
MW-14	"	1024	H_2O	-03					X	X				X	X				X		X	X										9
MW-9	"	1012	H_2O	-04					X	X				X	X				X		X	X										9
MW-21	"	1315	"	-05					X	X				X	X				X		X	X										9
MW-16	"	1213	"	-06					X	X				X	X				X		X	X										9
MW-22	"	1330	"	-07					X	X				X	X				X		X	X										9
Field Blank	"	1154	"	-08					X	X				X	X				X		X	X										9
Trip Blank	7-9-96	1000*	"	-09					X	X				X	X				X		X	X										7

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	071796	NO. CONTAINERS	79
PROJ. NAME:	AGMP-3Q96	CUSTODY SEALS	Y / N / NA
P.O. NO.:	50650-02-06	RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	20

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
* Trip Blank sample times various by AGN

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1417	Signature: [signature] Time: 1500	Signature: Time:
Printed Name: John Wakefield Date: 7.17.96	Printed Name: Don Gutierrez Date: 7-16-96	Printed Name: Date:
Company: STI Phone: 892-5300	Company: STI	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: [signature] Time: 1417	Signature: Time:	Signature: [signature] Time: 1510
Printed Name: Don Gutierrez Date: 7-16-96	Printed Name: Date:	Printed Name: [signature] Date: 7/17/96
Company: STI	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 496-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary - ATI • Pink - ORIGINATOR

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

CHAIN OF CUSTODY

DATE: 7-17-96 PAGE 1 OF 1

ATI LAB I.D. 60-7358

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

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Rd, NW
Albuquerque, NM 87114
PHONE: (505) 892-5300
FAX: (505) 892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	TOX	TOC	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	pH, F, Cl, SO_4	Nitrate	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	TKN	B, Mn, Ni, Na, Cr^{+3}	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal			The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)	005135	NUMBER OF CONTAINERS
MW-19	7-17-96	0905	H_2O	-01					X	X				X	X				X		X	X											9
MW-20	"	0920	H_2O	-02					X	X				X	X				X		X	X											9
MW-14	"	1024	H_2O	-03					X	X				X	X				X		X	X											9
MW-9	"	1012	H_2O	-04					X	X				X	X				X		X	X											9
MW-21	"	1315	"	-05					X	X				X	X				X		X	X											9
MW-16	"	1213	"	-06					X	X				X	X				X		X	X											9
MW-22	"	1330	"	-07					X	X				X	X				X		X	X											9
Field Blank	"	1154	"	-08					X	X				X	X				X		X	X											9
Trip Blank	7-9-96	1000*	"	-09					X	X				X	X				X		X	X											7

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJ. NO.:	071796	NO. CONTAINERS	79
PROJ. NAME:	AGMP-3Q96	CUSTODY SEALS	Y / N / NA
P.O. NO.:	50650-02-06	RECEIVED INTACT	Y
SHIPPED VIA:	Delivered	RECEIVED COLD	20

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

Comments:
* Trip Blank sample times varied by AEN

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [illegible] Time: 1417	Signature: [illegible] Time: 1500	Signature: Time:
Printed Name: John Wakefield Date: 7-17-96	Printed Name: Don Gutierrez Date: 7-18-96	Printed Name: Date:
Company: STI Phone: 892-5300	Company: STI	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY (LAB) 3.
Signature: [illegible] Time: 1417	Signature: Time:	Signature: [illegible] Time: 1510
Printed Name: Don Gutierrez Date: 7-18-96	Printed Name: Date:	[illegible]
Company: STI	Company:	[illegible]

SECTION 12

FOURTH QUARTER, 1996

LABORATORY REPORT

American Environmental Network, Inc.

AGMP 4Q 1996
MW-19, 20, 14, 9, 21, 22, 16, FB, TB
FB = PZ-2 MW-15 dry
Split Sampled with NMED

AEN I.D. 610317

October 25, 1996

SPARTON TECHNOLOGY, INC.
9621 COORS ROAD, NW
ALBUQUERQUE, NM 87114

Project Name AGMP-4Q96
Project Number 100496

Attention: JOHN M. WAKEFIELD

On 10/4/96 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze **aqueous** 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.

EPA method 601/602 and 150.1 (pH) was performed by American Environmental Network (NM) Inc., Albuquerque, NM.

All other analyses were performed by American Environmental Network (FL) Inc., 11 East Olive Road, Pensacola, FL.

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.
General Manager

MR: mt

Enclosure

005137

2709-D Pan American Freeway, NE • Albuquerque, NM 87107 • (505) 344-3777 • Fax (602) 344-4413

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGY, INC.	AEN I.D.	: 610317
PROJECT #	: 100496	DATE RECEIVED	: 10/4/96
PROJECT NAME	: AGMP-4Q96	REPORT DATE	: 10/25/96

AEN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	TRIP BLANK	AQUEOUS	9/26/96
02	MW-19	AQUEOUS	10/4/96
03	MW-20	AQUEOUS	10/4/96
04	PZ-2	AQUEOUS	10/4/96
05	MW-14	AQUEOUS	10/4/96
06	MW-9	AQUEOUS	10/4/96
07	MW-22	AQUEOUS	10/4/96
08	MW-21	AQUEOUS	10/4/96
09	MW-16	AQUEOUS	10/4/96

American Environmental Network, Inc.

Client: **SPARTON**

AEN Accession number: **610317**

Method	Test	Date(s) Analyzed	Detection Limits	Analyst Initials
9050	Electrical Conductivity	10/14/96	1 UMH/CM	ED
415.2	Total Organic Carbon	10/15/96	1 mg/L	DWB
9020	Total Organic Halide	10/15/96 10/16/96 10/21/96	0.01 mg/L 1 mg/L (sample 09)	KL
150.1	pH	10/4/96	N/A	JE
8010	Purgeable Halocarbons	10/7/96 10/8/96 10/9/96	See appended pages	JE

005139

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY DETECTION LIMITS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 610317
PROJECT # : 100496
PROJECT NAME : AGMP-4Q96

PARAMETER	UNITS	DET. LIMIT 1X	DET. LIMIT 25X	DET. LIMIT 100X	DET. LIMIT 1000X
BROMODICHLORMETHANE	UG/L	0.2	5.0	20	200
BROMOFORM	UG/L	0.5	13	50	500
BROMOMETHANE	UG/L	1.0	25	100	1000
CARBON TETRACHLORIDE	UG/L	0.2	5.0	20	200
CHLOROBENZENE	UG/L	0.5	13	50	500
CHLOROETHANE	UG/L	0.5	13	50	500
CHLOROFORM	UG/L	0.5	13	50	500
CHLOROMETHANE	UG/L	1.0	25	100	1000
DIBROMOCHLOROMETHANE	UG/L	0.2	5.0	20	200
1,2-DIBROMOETHANE (EDB)	UG/L	0.2	5.0	20	200
1,2-DICHLOROBENZENE	UG/L	0.5	13	50	500
1,3-DICHLOROBENZENE	UG/L	0.5	13	50	500
1,4-DICHLOROBENZENE	UG/L	0.5	13	50	500
1,1-DICHLOROETHANE	UG/L	0.3	7.5	30	300
1,2-DICHLOROETHANE (EDC)	UG/L	0.5	13	50	500
1,1-DICHLOROETHENE	UG/L	0.2	5.0	20	200
cis-1,2-DICHLOROETHENE	UG/L	0.2	5.0	20	200
trans-1,2-DICHLOROETHENE	UG/L	1.0	25	100	1000
1,2-DICHLOROPROPANE	UG/L	0.2	5.0	20	200
cis-1,3-DICHLOROPROPENE	UG/L	0.2	5.0	20	200
trans-1,3-DICHLOROPROPENE	UG/L	0.2	5.0	20	200
METHYLENE CHLORIDE	UG/L	2.0	50	200	2000
1,1,2,2-TETRACHLOROETHANE	UG/L	0.5	13	50	500
TETRACHLOROETHENE	UG/L	0.5	13	50	500
1,1,1-TRICHLOROETHANE	UG/L	1.0	25	100	1000
1,1,2-TRICHLOROETHANE	UG/L	0.2	5.0	20	200
TRICHLOROETHENE	UG/L	0.3	7.5	30	300
TRICHLOROFLUOROMETHANE	UG/L	0.2	5.0	20	200
VINYL CHLORIDE	UG/L	0.5	13	50	500

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY	AEN I.D.	: 610317
PROJECT #	: 100496	DATE RECEIVED	: 10/4/96
PROJECT NAME	: AGMP-4Q96		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	TRIP BLANK	AQUEOUS	9/26/96	10/4/96
02	MW-19	AQUEOUS	10/4/96	10/4/96
03	MW-20	AQUEOUS	10/4/96	10/4/96

PARAMETER	UNITS	01	02	03
PH (150.1)	UNITS	7.36	7.36	7.43

CHEMIST NOTES:
N/A

005141

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY	AEN I.D.	: 610317
PROJECT #	: 100496	DATE RECEIVED	: 10/4/96
PROJECT NAME	: AGMP-4Q96		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
04	PZ-2	AQUEOUS	10/4/96	10/4/96
05	MW-14	AQUEOUS	10/4/96	10/4/96
06	MW-9	AQUEOUS	10/4/96	10/4/96

PARAMETER	UNITS	04	05	06
PH (150.1)	UNITS	8.85	7.95	7.71

CHEMIST NOTES:
N/A

005142

American Environmental Network, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: SPARTON TECHNOLOGY	AEN I.D.	: 610317
PROJECT #	: 100496	DATE RECEIVED	: 10/4/96
PROJECT NAME	: AGMP-4Q96		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
07	MW-22	AQUEOUS	10/4/96	10/4/96
08	MW-21	AQUEOUS	10/4/96	10/4/96
09	MW-16	AQUEOUS	10/4/96	10/4/96

PARAMETER	UNITS	07	08	09
PH (150.1)	UNITS	7.55	7.72	7.85

CHEMIST NOTES:
N/A

005143

American Environmental Network, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: SPARTON TECHNOLOGY	AEN I.D.	: 610317
PROJECT #	: 100496	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: AGMP-4Q96		

PARAMETER	UNITS	AEN I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH	UNITS	610317-02	7.36	7.53	2

CHEMIST NOTES:
N/A

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

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

005144

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 610317-01			Lab ID: 001		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	2	1	CDW040	
Comments:					
Client ID: 610317-02			Lab ID: 002		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	740	1	CDW040	
Comments:					
Client ID: 610317-03			Lab ID: 003		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	660	1	CDW040	
Comments:					
Client ID: 610317-04			Lab ID: 004		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	5	1	CDW040	
Comments:					
Client ID: 610317-05			Lab ID: 005		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	730	1	CDW040	
Comments:					
Client ID: 610317-06			Lab ID: 006		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	730	1	CDW040	
Comments:					
Client ID: 610317-07			Lab ID: 007		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	720	1	CDW040	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 610317-08			Lab ID: 008		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	610	1	CDW040	
Comments:					
Client ID: 610317-09			Lab ID: 009		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	1100	1	CDW040	
Comments:					

American Environmental Network, Inc.

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
610317-01	001	WATER	26-SEP-96 0825	05-OCT-96
610317-02	002	WATER	04-OCT-96 0923	05-OCT-96
610317-03	003	WATER	04-OCT-96 0938	05-OCT-96
610317-04	004	WATER	04-OCT-96 0902	05-OCT-96
610317-05	005	WATER	04-OCT-96 1030	05-OCT-96
610317-06	006	WATER	04-OCT-96 1024	05-OCT-96
610317-07	007	WATER	04-OCT-96 1145	05-OCT-96
610317-08	008	WATER	04-OCT-96 1247	05-OCT-96
610317-09	009	WATER	04-OCT-96 1415	05-OCT-96

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
610317-01	CONDUCTIVITY (120.1/2510 B)	UMH/CM	2
610317-02	CONDUCTIVITY (120.1/2510 B)	UMH/CM	740
610317-03	CONDUCTIVITY (120.1/2510 B)	UMH/CM	660
610317-04	CONDUCTIVITY (120.1/2510 B)	UMH/CM	5
610317-05	CONDUCTIVITY (120.1/2510 B)	UMH/CM	730
610317-06	CONDUCTIVITY (120.1/2510 B)	UMH/CM	730
610317-07	CONDUCTIVITY (120.1/2510 B)	UMH/CM	720
610317-08	CONDUCTIVITY (120.1/2510 B)	UMH/CM	610
610317-09	CONDUCTIVITY (120.1/2510 B)	UMH/CM	1100

American Environmental Network, Inc.

"WetChem Quality Control Report"

Parameter:	CONDUCT'Y
Batch Id:	CDW040
Blank Result:	<1
Anal. Method:	120.1
Prep. Method:	N/A
Analysis Date:	14-OCT-96
Prep. Date:	14-OCT-96

Sample Duplication

Sample Dup:	610171-9
Rept Limit:	<1
Sample Result:	1100
Dup Result:	1098
Sample RPD:	0
Max RPD:	4
Dry Weight%	N/A

Matrix Spike

Sample Spiked:	610171-9
Rept Limit:	<1
Sample Result:	
Spiked Result:	
Spike Added:	
% Recovery:	
% Rec Limits:	
Dry Weight%	

ICV

ICV Result:	1438
True Result:	1413
% Recovery:	102
% Rec Limits:	90-110

LCS

LCS Result:	304
True Result:	303
% Recovery:	100
% Rec Limits:	84-110

----- Common Footnotes WetChem -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DISTILLATION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DISTILLATION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
A = SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
Z = THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X AEN REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE AEN REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
(*) = DETECTION LIMITS RAISED DUE TO CLP METHOD NOT REQUIRING A CONCENTRATION STEP FOR CN.
(CA) = SEE CORRECTIVE ACTIONS FORM.
**= MATRIX INTERFERENCE
SW-846, 3rd Edition, latest revision
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, For the Examination of Water and Wastewater, 18TH ED., 1992
NIOSH Manual of Analytical Methods, 4th Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUME 11.01, 1991.
METHODS FOR THE DETERMINATION OF INORGANIC SUBSTANCES IN ENVIRONMENTAL SAMPLES, EPA600/R-93/100, AUGUST 1993

1. COLIFORM. COLIFORM PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE LOGARITHM OF COLONIES PER 100 MLS OF SAMPLE ON DUPLICATE PLATES.
2. PH. PH PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS.
3. FLASHPOINT. FLASHPOINT PRECISION IS MEASURED BY THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE ANALYSIS. IF FLASHPOINT IS LESS THAN 25 DEGREES CELSIUS, THE DETECTION LIMIT BECOMES THE INITIAL STARTING TEMPERATURE.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	SG = SCOTT GRESHAM	RB = REBECCA BROWN
JL = JAN LECLEAR	NSB = NANCY S. BUTLER	MM = MIKE MCKENZIE
MB = MICHELLE BOTTS	ED = ESTHER DANTIN	AB = ANDY BROTHERTON
PLD = PAULA L. DOUGHTY	RH = RICKY HAGENDORFER	BH = BARRY HICKS

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	001	Sample Date/Time:	26-SEP-96 0825
Client Sample Id:	610317-01	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	002	Sample Date/Time:	04-OCT-96 0923
Client Sample Id:	610317-02	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	003	Sample Date/Time:	04-OCT-96 0938
Client Sample Id:	610317-03	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	004	Sample Date/Time:	04-OCT-96 0902
Client Sample Id:	610317-04	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	005	Sample Date/Time:	04-OCT-96 1030
Client Sample Id:	610317-05	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	006		Sample Date/Time:	04-OCT-96 1024
Client Sample Id:	610317-06		Received Date:	05-OCT-96
Batch: TOW089			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	007	Sample Date/Time:	04-OCT-96 1145
Client Sample Id:	610317-07	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	008		Sample Date/Time:	04-OCT-96 1247
Client Sample Id:	610317-08		Received Date:	05-OCT-96
Batch: TOW089			Extraction Date:	N/A
Blank: A	Dry Weight %:	N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC CARBON
Analysis Method:	415.1/EPA-600/4-79-020, March 1983.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	II

Lab Id:	009	Sample Date/Time:	04-OCT-96 1415
Client Sample Id:	610317-09	Received Date:	05-OCT-96
Batch: TOW089		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	DWB		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
610317-03	TOTAL ORGANIC CARBON	MG/L	1
610317-05	TOTAL ORGANIC CARBON	MG/L	2
610317-06	TOTAL ORGANIC CARBON	MG/L	2
610317-09	TOTAL ORGANIC CARBON	MG/L	2

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TOW089
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Blank Id: A Date Analyzed: 15-OCT-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	DWB	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Reagent
Batch: TOW089
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

RS Date Analyzed: 15-OCT-96
RSD Date Analyzed: 15-OCT-96

RS Date Extracted: N/A
RSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	<1	6.2	93	6.5	97	4	30	71-127

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TOW089
Analysis Method: 415.1/EPA-600/4-79-020, March 1983.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 610171-6

MS Date Analyzed: 15-OCT-96
MSD Date Analyzed: 15-OCT-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOC	6.7	2	8.3	94	9.8	116	21	30	51-135

Surrogates:

Comments:

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

AEN/GC/FID
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

AEN/GC/FIX
AEN GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

AEN/GC/FPD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

AEN/GC/PID
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

AEN/GC/TCD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW = STEVE WILHITE
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY LEMONT
DWB = DAVID W. BOWERS
RP = ROB PEREZ
JBT = JENNIFER TORRANCE

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	001		Sample Date/Time:	26-SEP-96 0825
Client Sample Id:	610317-01		Received Date:	05-OCT-96
Batch: TXW018			Extraction Date:	N/A
Blank: B	Dry Weight %:	N/A	Analysis Date:	15-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.02	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	002	Sample Date/Time:	04-OCT-96 0923
Client Sample Id:	610317-02	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	16-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.02	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	003	Sample Date/Time:	04-OCT-96 0938
Client Sample Id:	610317-03	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	16-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.02	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	004	Sample Date/Time:	04-OCT-96 0902
Client Sample Id:	610317-04	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	06-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.01	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	005	Sample Date/Time:	04-OCT-96 1030
Client Sample Id:	610317-05	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	16-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.33	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	006	Sample Date/Time:	04-OCT-96 1024
Client Sample Id:	610317-06	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: A	Dry Weight %: N/A	Analysis Date:	16-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.2	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	007	Sample Date/Time:	04-OCT-96 1145
Client Sample Id:	610317-07	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	17-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.05	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	008	Sample Date/Time:	04-OCT-96 1247
Client Sample Id:	610317-08	Received Date:	05-OCT-96
Batch: TXW019		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	17-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.07	0.01	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"FINAL REPORT FORMAT - SINGLE"

Accession:	610171
Client:	AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number:	610317
Project Name:	SPARTON
Project Location:	A6MP-4Q96
Test:	TOTAL ORGANIC HALIDES IN WATER
Analysis Method:	9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method:	N/A
Matrix:	WATER
QC Level:	IIM

Lab Id:	009	Sample Date/Time:	04-OCT-96 1415
Client Sample Id:	610317-09	Received Date:	05-OCT-96
Batch: TXW020		Extraction Date:	N/A
Blank: C	Dry Weight %: N/A	Analysis Date:	21-OCT-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	5.5	1	
ANALYST	INITIALS	KL		

Comments:

American Environmental Network, Inc.

"Method Report Summary"

Accession Number: 610171
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 610317
Project Name: SPARTON
Project Location: A6MP-4Q96
Test: TOTAL ORGANIC HALIDES IN WATER

Client Sample Id:	Parameter:	Unit:	Result:
610317-01	TOTAL ORGANIC HALIDES	MG/L	0.02
610317-02	TOTAL ORGANIC HALIDES	MG/L	0.02
610317-03	TOTAL ORGANIC HALIDES	MG/L	0.02
610317-04	TOTAL ORGANIC HALIDES	MG/L	0.01
610317-05	TOTAL ORGANIC HALIDES	MG/L	0.33
610317-06	TOTAL ORGANIC HALIDES	MG/L	0.2
610317-07	TOTAL ORGANIC HALIDES	MG/L	0.05
610317-08	TOTAL ORGANIC HALIDES	MG/L	0.07
610317-09	TOTAL ORGANIC HALIDES	MG/L	5.5

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW018
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 15-OCT-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	KL	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW019
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: A Date Analyzed: 16-OCT-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	KL	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW019
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 17-OCT-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	KL	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Blank
Batch: TXW020
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: C Date Analyzed: 21-OCT-96 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	KL	

Comments:

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TXW018
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 610187-11/1

MS Date Analyzed: 15-OCT-96
MSD Date Analyzed: 15-OCT-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.050	0.130	0.144	28*	0.149	38*	30*	20	80-120

Surrogates:

Comments:
MATRIX SPIKE/MATRIX SPIKE DUPLICATE HAD RECOVERY(S) AND/OR RPD(S) OUTSIDE ACCEPTANCE LIMITS DUE TO MATRIX INTERFERENCE.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TXW019
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 610285-5/7

MS Date Analyzed: 17-OCT-96
MSD Date Analyzed: 17-OCT-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.050	0.16	0.078	-164*	0.063	-194*	17	20	80-120

Surrogates:

Comments:
MATRIX SPIKE/MATRIX SPIKE DUPLICATE HAD RECOVERY(S) AND/OR RPD(S) OUTSIDE ACCEPTANCE LIMITS DUE TO MATRIX INTERFERENCE. REFER TO REAGENT SPIKE/REAGENT SPIKE DUPLICATE DATA.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

"QC Report"

Title: Water Matrix
Batch: TXW020
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 610285-8/9

MS Date Analyzed: 18-OCT-96
MSD Date Analyzed: 18-OCT-96

MS Date Extracted: N/A
MSD Date Extracted: N/A

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
TOTAL ORGANIC HALIDES	0.050	0.071	0.104	66*	0.096	50*	28*	20	80-120

Surrogates:

Comments:
MATRIX SPIKE/MATRIX SPIKE DUPLICATE HAD RECOVERY(S) AND/OR RPD(S) OUTSIDE ACCEPTANCE LIMITS DUE TO MATRIX INTERFERENCE. REFER TO REAGENT SPIKE/REAGENT SPIKE DUPLICATE DATA.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
MG/L = PARTS PER MILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

American Environmental Network, Inc.

Common notation for Organic reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
D = DILUTED OUT
UG = MICROGRAMS
UG/L = PARTS PER BILLION.
UG/KG = PARTS PER BILLION.
MG/M3 = MILLIGRAM PER CUBIC METER.
PPMV = PART PER MILLION BY VOLUME.
MG/KG = PARTS PER MILLION.
MG/L = PARTS PER MILLION.
< = LESS THAN DETECTION LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

ND = NOT DETECTED ABOVE REPORTING LIMIT.

RPT LIMIT = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

AEN/GC/FID
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME IONIZATION DETECTOR (FID).

AEN/GC/FIX
AEN GAS CHROMATOGRAPHIC METHOD FOR ANALYSIS OF FIXED GASES EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD) AND FLAME IONIZATION DETECTOR (FID).

AEN/GC/FPD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH FLAME PHOTOMETRIC DETECTOR (FPD) IN SULFUR-SPECIFIC MODE.

AEN/GC/PID
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH PHOTOIONIZATION DETECTOR (PID).

AEN/GC/TCD
AEN GAS CHROMATOGRAPHIC METHOD EMPLOYING DIRECT INJECTION ON COLUMN WITH THERMAL CONDUCTIVITY DETECTOR (TCD).

SW = STEVE WILHITE
PL = PAUL LESCHENSKY
RW = ROBERT WOLFE
BV = BEN VAUGHN
BC = BETH COLEMAN
KS = KENDALL SMITH
KK = KERRY LEMONT
DWB = DAVID W. BOWERS
RP = ROB PEREZ
JBT = JENNIFER TORRANCE
LP = LAVERNE PETERSON

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 610317
PROJECT # : 100496
PROJECT NAME : AGMP-4Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	TRIP BLANK	AQUEOUS	9/26/96	NA	10/7/96	1
02	MW-19	AQUEOUS	10/4/96	NA	10/7/96	1
03	MW-20	AQUEOUS	10/4/96	NA	10/7/96	1

PARAMETER	DET. LIMIT	UNITS	01	02	03
BROMODICHLORMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.2	**UG/L**	< 0.2	< 0.2	**0.6**
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	< 0.2	**0.5**	< 0.2
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	**UG/L**	< 0.3	**8.0**	**0.4**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			112	108	108
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
N/A

005183

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 610317
PROJECT # : 100496
PROJECT NAME : AGMP-4Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	PZ-2	AQUEOUS	10/4/96	NA	10/8/96	1
05	MW-14	AQUEOUS	10/4/96	NA	10/8/96	1
06	MW-9	AQUEOUS	10/4/96	NA	10/8/96	1

PARAMETER	DET. LIMIT	UNITS	04	05	06
BROMODICHLORMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	**UG/L**	< 0.5	**2.5**	**2.7**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	**UG/L**	< 0.2	< 0.2	**0.5**
1,2-DIBROMOETHANE (EDB)	0.2	**UG/L**	< 0.2	**0.6**	**0.6**
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHANE	0.3	**UG/L**	< 0.3	**0.3**	**2.5**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.2	**UG/L**	< 0.2	**19 D(25)**	**48 D(25)**
cis-1,2-DICHLOROETHENE	0.2	**UG/L**	< 0.2	**0.2**	< 0.2
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
trans-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	**UG/L**	< 2.0	< 2.0	**62 D(25)**
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	< 0.5	**1.7**	**2.4**
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 1.0	**7.9**	**63 D(25)**
1,1,2-TRICHLOROETHANE	0.2	**UG/L**	< 0.2	**0.8**	**0.9**
TRICHLOROETHENE	0.3	**UG/L**	**0.6**	**490 D(25)**	**540 D(100)**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
BROMOCHLOROMETHANE (%)			101	104	111
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
D(25)=DILUTED 25X, ANALYZED 10/9/96.
D(100)=DILUTED 100X, ANALYZED 10/9/96.

005184

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D.: 610317
PROJECT # : 100496
PROJECT NAME : AGMP-4Q96

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	MW-22	AQUEOUS	10/4/96	NA	10/8/96	1
08	MW-21	AQUEOUS	10/4/96	NA	10/8/96	1
09	MW-16	AQUEOUS	10/4/96	NA	10/9/96	10

PARAMETER	DET. LIMIT	UNITS	07	08	09
BROMODICHLORMETHANE	0.2	UG/L	< 0.2	< 0.2	< 2.0
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 5.0
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 10
CARBON TETRACHLORIDE	0.2	**UG/L**	**0.2**	**0.2**	**2.4**
CHLOROBENZENE	0.5	**UG/L**	< 0.5	< 0.5	**5.6**
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5.0
CHLOROFORM	0.5	**UG/L**	< 0.5	< 0.5	**6.4**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 10
DIBROMOCHLOROMETHANE	0.2	**UG/L**	< 0.2	< 0.2	**5.4**
1,2-DIBROMOETHANE (EDB)	0.2	**UG/L**	< 0.2	< 0.2	**6.0**
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5.0
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5.0
1,1-DICHLOROETHANE	0.3	**UG/L**	< 0.3	< 0.3	**3.0**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 5.0
1,1-DICHLOROETHENE	0.2	**UG/L**	**8.0**	**6.4**	**200 D(100)**
cis-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 2.0
trans-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 10
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 2.0
cis-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 2.0
trans-1,3-DICHLOROPROPENE	0.2	**UG/L**	< 0.2	< 0.2	**3.6**
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 20
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5.0
TETRACHLOROETHENE	0.5	**UG/L**	< 0.5	**1.3**	**100**
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	**22 D(10)**	**48 D(25)**	**2100 D(1000)**
1,1,2-TRICHLOROETHANE	0.2	**UG/L**	< 0.2	< 0.2	**9.3**
TRICHLOROETHENE	0.3	**UG/L**	**33 D(10)**	**150 D(25)**	**8300 D(1000)**
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 2.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 5.0
SURROGATE:					
BROMOCHLOROMETHANE (%)			106	109	103
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
D(10)=DILUTED 10X, ANALYZED 10/9/96.
D(25)=DILUTED 25X, ANALYZED 10/9/96.
D(100)=DILUTED 100X, ANALYZED 10/9/96.
D(1000)=DILUTED 1000X, ANALYZED 10/9/96.

005185

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 100796	AEN I.D.	: 610317
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 100496	DATE ANALYZED	: 10/7/96
PROJECT NAME	: AGMP-4Q96	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		110
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

005186

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 100896	AEN I.D.	: 610317
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 100496	DATE ANALYZED	: 10/8/96
PROJECT NAME	: AGMP-4Q96	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		106
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

005187

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 100996	AEN I.D.	: 610317
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXTRACTED	: NA
PROJECT #	: 100496	DATE ANALYZED	: 10/9/96
PROJECT NAME	: AGMP-4Q96	SAMPLE MATRIX	: AQUEOUS

PARAMETER	UNITS	
BROMODICHLORMETHANE	UG/L	<0.2
BROMOFORM	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
CHLOROBENZENE	UG/L	<0.5
CHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
CHLOROMETHANE	UG/L	<1.0
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.2
1,2-DICHLOROBENZENE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,1-DICHLOROETHANE	UG/L	<0.3
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.2
cis-1,2-DICHLOROETHENE	UG/L	<0.2
trans-1,2-DICHLOROETHENE	UG/L	<1.0
1,2-DICHLOROPROPANE	UG/L	<0.2
cis-1,3-DICHLOROPROPENE	UG/L	<0.2
trans-1,3-DICHLOROPROPENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
1,1,2-TRICHLOROETHANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
TRICHLOROFLUOROMETHANE	UG/L	<0.2
VINYL CHLORIDE	UG/L	<0.5

SURROGATE:

BROMOCHLOROMETHANE (%)		103
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

005188

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY - QUALITY CONTROL
MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 610311-01	AEN I.D.	: 610317
CLIENT	: SPARTON TECHNOLOGY, INC.	DATE EXRACTED	: NA
PROJECT #	: 100496	DATE ANALYZED	: 10/8/96
PROJECT NAME	: AGMP-4Q96	SAMPLE MATRIX	: AQUEOUS
		UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
CHLOROBENZENE	<0.5	10.0	9.3	93	9.5	95	2	(87 - 124)	20
1,1-DICHLOROETHENE	<0.2	10.0	9.1	91	8.6	86	6	(44 - 99)	20
TRICHLOROETHENE	<0.3	10.0	11.2	112	11.1	111	1	(89 - 127)	20

CHEMIST NOTES:
N/A

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

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

005189

American Environmental Network
Albuquerque, New Mexico

Interlab Chain of Custody

610171

DATE: 10/4 PAGE 1 OF 1

NETWORK PROJECT MANAGER: KIMBERLY D. McNEILL

COMPANY: American Environmental Network
ADDRESS: 2709-D Pan American Freeway, NE
Albuquerque, NM 87107

CLIENT PROJECT MANAGER: Kim McNeill

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals - TAL	Metals - PP List	Metals - RCRA	RCRA Metals by TCLP (1311)			TOX	TOC	Gen Chemistry	EC		Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TO-14	Gross Alpha/Beta			0051190	NUMBER OF CONTAINERS
610317 - 01	9/26	0825	AQ	1							X	X		X																			
-02	10/4	0923	↓	2							X	X		X																			
-03	↓	0938	↓	3							X	X		X																			
-04	↓	0902	↓	4							X	X		X																			
-05	↓	1030	↓	5							X	X		X																			
-06	↓	1024	↓	6							X	X		X																			
-07	↓	1145	↓	7							X	X		X																			
-08	↓	1247	↓	8							X	X		X																			
-09	↓	1415	↓	9							X	X		X																			

PROJECT INFORMATION

PROJECT NUMBER: 610317
PROJECT NAME: AGMP-4096
QC LEVEL: (STD) IV
QC REQUIRED: MS MSD BLANK
TAT: (STANDARD) RUSH!

DUE DATE: 10/16
RUSH SURCHARGE:
CLIENT DISCOUNT:
SPECIAL CERTIFICATION REQUIRED: ☐ YES ☐ NO

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS	
INTACT?	
RECEIVED GOOD COND./COLD	
LAB NUMBER	

SAMPLES SENT TO:

SAN DIEGO	
Paragon	
RENTON	
PENSACOLA	X
PORTLAND	
PHOENIX	

RELINQUISHED BY: 1.
Signature: John Caldwell Time: 1700
Printed Name: John C. Caldwell Date: 10/4/96
Company: AEN Albuquerque

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2
Signature: Time: 10/5/96
Printed Name: Date:
Company: AEN

RECEIVED BY: (LAB) 2.
Signature: Time: 1045
Printed Name: R. ELSPERMAN Date: 10/5/96
Company: AEN-PNS

AnalyticalTechnologies of New Mexico, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque • Anchorage

CHAIN OF CUSTODY

DATE: 10-4-96 PAGE: 1 OF 1

ATI LAB I.D. 610317

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Road, NW
Albuquerque, NM 87114
PHONE: (505)892-5300
FAX: (505)892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject		(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	pH	504 EDB☐ / DBCP☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	Specific Conductance	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	pH delete	General Chemistry	TOX	TOC	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP Method 1311		005191	NUMBER OF CONTAINERS
Trip Blank	9-26-96	0825	H_2O	-01									X	X					X				X		X	X							5
MW-19	10-4-96	0923	"	-02									X	X					X						X	X							7
MW-20	"	0938	"	-03									X	X					X						X	X							7
PZ-2	"	0902	"	-04									X	X					X						X	X							7
MW-14	"	1030	"	-05									X	X					X						X	X							7
MW-9	"	1024	"	-06									X	X					X						X	X							7
MW-22	"	1145	"	-07									X	X					X						X	X							7
MW-21	"	1247	"	-08									X	X					X						X	X							7
MW-16	"	1415	"	-09									X	X					X						X	X							7

PROJECT INFORMATION

PROJ. NO. 100496
PROJ. NAME: AGMP-4Q96
P.O. NO.: 50650-02-06
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	61
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	50

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) [ ] 24hr [ ] 48hr [ ] 72hr [ ] 1 WEEK (NORMAL) [X] 2 WEEK

CERTIFICATION REQUIRED: [ ] NM [ ] OTHER

METHANOL PRESERVATION [ ]

COMMENTS: Cof C Seals on Cooler

RELINQUISHED BY: 1.
Signature: [signature] Time: 10-4-96
Printed Name: John Wakefield Date:
Company: S.T.I. 892-5300

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [signature] Time: 1535
Printed Name: S. Caldwell Date: 10/4/96
Analytical Technologies of New Mexico

AnalyticalTechnologies of New Mexico, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque • Anchorage

CHAIN OF CUSTODY

DATE: 10-4-96 PAGE: 1 OF 1

ATI LAB I.D. 610317

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John M. Wakefield

COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 9621 Coors Road, NW
Albuquerque, NM 87114
PHONE: (505)892-5300
FAX: (505)892-5515

BILL TO: John M. Wakefield
COMPANY: SPARTON TECHNOLOGY, INC.
ADDRESS: 4901 Rockaway Blvd., NE
Rio Rancho, NM 87124

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct/Inject		(M8015) Gas/Purge & Trap	Gasoline/BTEX & MTBE (M8015/8020)	BTXE/MTBE (8020)	BTEX & Chlorinated Aromatics (602/8020)	BTEX/MTBE/EDC & EDB (8020/8010/Short)	Chlorinated Hydrocarbons (601/8010)	pH	504 EDB ☐ / DBCP ☐	Polynuclear Aromatics (610/8310)	Volatile Organics (624/8240) GC/MS	Volatile Organics (8260) GC/MS	Specific Conductance	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	X pH delete	General Chemistry	TOX	TOC	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	005192		NUMBER OF CONTAINERS
Trip Blank	9-26-96	0825	H_2O	-01									X	X					X				X		X	X							5
MW-19	10-4-96	0923	"	-02									X	X					X						X	X							7
MW-20	"	0938	"	-03									X	X					X						X	X							7
PZ-2	"	0902	"	-04									X	X					X						X	X							7
MW-14	"	1030	"	-05									X	X					X						X	X							7
MW-9	"	1024	"	-06									X	X					X						X	X							7
MW-22	"	1145	"	-07									X	X					X						X	X							7
MW-21	"	1247	"	-08									X	X					X						X	X							7
MW-16	"	145	"	-09									X	X					X						X	X							7

PROJECT INFORMATION

PROJ. NO.: 100496
PROJ. NAME: AGMP-4Q96
P.O. NO.: 50650-02-06
SHIPPED VIA: Delivered

SAMPLE RECEIPT

NO. CONTAINERS	61
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	50

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

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

CERTIFICATION REQUIRED: ☐ NM ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: C of C Seals on Cooler

RELINQUISHED BY: 1.
Signature: [signature] Time: 10-4-96
Printed Name: John Wakefield Date:
Company: S.T.I. 892-5300

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: [signature] Time: 1535
Printed Name: S. Caldwell Date: 10/4/96
Analytical Technologies of New Mexico