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SPARTON

SPARTON TECHNOLOGY

CERTIFIED MAIL RETURN RECEIPT REQUESTED

December 12, 1997

Mr. Benito Garcia
Bureau Chief
Hazardous And Radioactive Materials Bureau
New Mexico Environment Department
PO Box 26110
Santa Fe, New Mexico 87505

Re: Fourth Quarter 1997 AGMP Report

Dear Mr. Garcia:

Enclosed is Sparton Technology's Ground Water Report for the 4th Quarter 1997 as required by the Alternate Ground Water Monitoring Program. Included in the report is a copy of AEN lab report number 710410.

MW-15 was not sampled as the well was dry. Ground water samples for AGMP wells were collected by Sparton Technology, Inc. and Metric Corp. personnel on October 23, 1997.

If you have any questions please contact me or John Wakefield at (505) 892-5300. Thank you for your attention to this matter.

Sincerely,
SPARTON TECHNOLOGY, INC.

Richard D. Mico
Vice President and General Manager

enclosure:

cc: (without enclosure)
Mr. J. Appel
Mr. J. Wakefield

007651

Sparton Technology, Inc. □ *4901 Rockaway Blvd., SE* □ *Rio Rancho, NM 87124-4469* □ *(505) 892-5300* □ *FAX (505) 892-5515*

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-04

TIME SAMPLED: 1025 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.58	10/23/97
Well Casing Volume	--------	gal.	1.28	10/23/97
Pump Rate	--------	gal./min.	0.09	10/23/97
Pump Period	72004	min.	47	10/23/97
Volume Evacuated	73675	gal.	4.0	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	7.5	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	640	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	430	10	10/31/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2.0	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-9

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

DATE OF THIS REPORT: 12-12-97

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

N/A = 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	41	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	500	0.3	N/A	11/5/97	8010
1,1,1 Trichloroethane	UG/L	43	1.0	N/A	11/4/97	8010
Tetrachloroethene	UG/L	2.3	0.5	N/A	11/4/97	8010
Chloroform	UG/L	2.2	0.5	N/A	11/4/97	8010
1,1 Dichloroethane	UG/L	1.3	0.3	N/A	11/4/97	8010
1,1,2-Trichloroethane	UG/L	0.2	0.2	N/A	11/4/97	8010
Methylene Chloride	UG/L	190	2.0	N/A	11/5/97	8010

N/D = Not Detected
N/A = Not Applicable

007655

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-03

TIME SAMPLED: 1043 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.06	10/23/97
Well Casing Volume	--------	gal.	0.34	10/23/97
Pump Rate	--------	gal./min.	0.02	10/23/97
Pump Period	72004	min.	62	10/23/97
Volume Evacuated	73675	gal.	1.1	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	8.0	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	780	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	470	10	10/31/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-14

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

DATE OF THIS REPORT: 12-13-97

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

N/A = 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	34	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	860	0.3	N/A	11/4/97	8010
1,1,1 Trichloroethane	UG/L	9.1	1.0	N/A	11/4/97	8010
Tetrachloroethene	UG/L	1.7	0.5	N/A	11/4/97	8010
Chloroform	UG/L	3.5	0.5	N/A	11/4/97	8010
1,1,2-Trichloroethane	UG/L	0.6	0.2	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

007659

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. FOURTH QUARTER 1997

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-15 SAMPLE COLLECTION BY: DON A. GUTIERREZ

WELL DEPTH: 73.17 LABORATORY NAME: AEN

DATE SAMPLED: 10/23/97 LABORATORY SAMPLE I.D. #: N/A

TIME SAMPLED: 1115 DATE RECEIVED BY LAB: N/A

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	No H_2O	10/23/97
Well Casing Volume	--------	gal.	N/A	N/A
Pump Rate	--------	gal./min.	N/A	N/A
Pump Period	72004	min.	N/A	N/A
Volume Evacuated	73675	gal.	N/A	N/A
Well Sampling Method	84077	--------	BLDRP	N/A
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

N/A = Not Applicable

GROUND WATER QUALITY PARAMETERS MW-15

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

DATE OF THIS REPORT: 12-12-97

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

N/A = 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. FOURTH QUARTER 1997

EPA I.D. NUMBER: NMD 083212332

WELL NUMBER: MW-16 SAMPLE COLLECTION BY: JOHN M. WAKEFIELD

WELL DEPTH: 71.52 LABORATORY NAME: AEN

DATE SAMPLED: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-08

TIME SAMPLED: 1235 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.03	10/23/97
Well Casing Volume	--------	gal.	0.50	10/23/97
Pump Rate	--------	gal./min.	0.03	10/23/97
Pump Period	72004	min.	74	10/23/97
Volume Evacuated	73675	gal.	1.5	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	8.0	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	930	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	1300	10	11/4/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = NOT APPLICABLE

GROUND WATER QUALITY PARAMETERS MW-16

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

DATE OF THIS REPORT: 12-12-97

SIGNATURE: John M. Wakefield

NAME (PRINTED: JOHN M. WAKEFIELD

N/A = Not Applicable

007664

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	64	0.2	N/A	11/5/97	8010
Trichloroethene	UG/L	3900	0.3	N/A	11/5/97	8010
1,1,1 Trichloroethane	UG/L	700	1.0	N/A	11/5/97	8010
Tetrachloroethene	UG/L	44	0.5	N/A	11/4/97	8010
Chloroform	UG/L	2.7	0.5	N/A	11/4/97	8010
1,1 Dichloroethane	UG/L	0.7	0.3	N/A	11/4/97	8010
1,1,2-Trichloroethane	UG/L	4.6	0.2	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

007665

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-01

TIME SAMPLED: 0916 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.58	10/23/97
Well Casing Volume	--------	gal.	24.6	10/23/97
Pump Rate	--------	gal./min.	0.63	10/23/97
Pump Period	72004	min.	120	10/23/97
Volume Evacuated	73675	gal.	75	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
Sampler Material	--------	--------	TEFLN	N/A

WELL SAMPLING METHOD: BLDRP

007666

INDICATOR PARAMETERS MW-19

PARAMETERS	STORET CODE	UNITS	VALUE	DETECTION LIMIT	DATE ANALYZED	METHOD USED
Ph	00400	S.U.	8.0	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	730	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	10.0	10	10/30/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	1.0	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = 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: 12-12-97

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	0.8	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	16	0.3	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

007669

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-02

TIME SAMPLED: 0912 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4972.15	10/23/97
Well Casing Volume	--------	gal.	42.67	10/23/97
Pump Rate	--------	gal./min.	0.99	10/23/97
Pump Period	72004	min.	132	10/23/97
Volume Evacuated	73675	gal.	130.0	10/23/87
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	7.7	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	620	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	10	10	10/31/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	2.0	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = 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: 12-13-97

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	UNITS	VALUE	DETECTION LIMIT	DATE EXTRACTED	DATE ANALYZED	METHOD USED
1,1, - Dichloroethene	UG/L	ND	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	ND	0.3	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

007673

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-05

TIME SAMPLED: 1120 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4979.01	10/23/97
Well Casing Volume	--------	gal.	0.20	10/23/97
Pump Rate	--------	gal./min.	0.04	10/23/97
Pump Period	72004	min.	21	10/23/97
Volume Evacuated	73675	gal.	0.7	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	7.7	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	620	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	100	10	10/31/9797	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	N/D	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/A = NOT APPLICABLE
N/D = NOT DETECTED

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: 12-12-97

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	3.3	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	130	0.3	N/A	11/5/97	8010
1,1,1 Trichloroethane	UG/L	37	1.0	N/A	11/4/97	8010
Tetrachloroethene	UG/L	0.7	0.5	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

002677

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. FOURTH QUARTER 1997

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: 10/23/97 LABORATORY SAMPLE I.D. #: 710410-06

TIME SAMPLED: 1235 DATE RECEIVED BY LAB: 10/23/97

PARAMETERS	STORET CODE	UNITS	VALUE	DATE ANALYZED
Elevation of G. Water	71993	ft.	4973.47	10/23/97
Well Casing Volume	--------	gal.	1.05	10/23/97
Pump Rate	--------	gal./min.	0.10	10/23/97
Pump Period	72004	min.	29	10/23/97
Volume Evacuated	73675	gal.	3.0	10/23/97
Well Sampling Method	84077	--------	BLDRP	10/23/97
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.	7.5	N/A	10/24/97	
	00400	S.U.				150.1
	00400	S.U.				
	00400	S.U.				
Specific Conductivity	00095	umhos/cm	690	1	11/4/97	
	00095	umhos/cm				120.1
	00095	umhos/cm				
	00095	umhos/cm				
T.O.X.	70354	ug/l	110.0	10	10/31/97	
	70354	ug/l				9020
	70354	ug/l				
	70354	ug/l				
T.O.C.	00680	mg/l	N/D	1.0	11/4/97	
	00680	mg/l				415.1
	00680	mg/l				
	00680	mg/l				

N/D = NOT DETECTABLE
N/A = 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: 12-12-97

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	9.3	0.2	N/A	11/4/97	8010
Trichloroethene	UG/L	54	0.3	N/A	11/4/97	8010
1,1,1 Trichloroethane	UG/L	27	1.0	N/A	11/4/97	8010
Tetrachloroethene	UG/L	3.8	0.5	N/A	11/4/97	8010

N/D = Not Detected
N/A = Not Applicable

007681

American Environmental Network, Inc.

4Q 1997 AGMP

AEN I.D. 710410

November 13, 1997

SPARTON TECHNOLOGIES, INC.
4901 ROCKAWAY BLVD. SE
RIO RANCHO, NM 87124

Project Name AGMP-4Q97
Project Number 102397-A

Attention: JOHN WAKEFIELD

On 10/23/97 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.

This report is being reissued in part to correct a typographical error. This report was originally submitted on 11/11/97. We apologize for any inconvenience this may have caused.

EPA method 8010 was performed by American Environmental Network (NM) Inc., Albuquerque, NM.

All other parameters were analyzed by American Environmental Network (FL) Inc., 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

007682

Enclosure

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

American Environmental Network, Inc.

AEN I.D. 710410

November 11, 1997

SPARTON TECHNOLOGIES, INC.
4901 ROCKAWAY BLVD. SE
RIO RANCHO, NM 87124

Project Name AGMP-4Q97
Project Number 102397-A

Attention: JOHN WAKEFIELD

On 10/23/97 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.

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All other parameters were analyzed by American Environmental Network (FL) Inc., 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

007683

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

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGIES, INC.	AEN I.D.	: 710410
PROJECT #	: 102397-A	DATE RECEIVED	: 10/23/97
PROJECT NAME	: AGMP-4Q97	REPORT DATE	: 11/11/97

AEN ID. #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	MW-19	AQUEOUS	10/23/97
02	MW-20	AQUEOUS	10/23/97
03	MW-14	AQUEOUS	10/23/97
04	MW-9	AQUEOUS	10/23/97
05	MW-21	AQUEOUS	10/23/97
06	MW-22	AQUEOUS	10/23/97
07	PZ-2	AQUEOUS	10/23/97
08	MW-16	AQUEOUS	10/23/97
09	TRIP BLANK	AQUEOUS	10/15/97

007684

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 710410
PROJECT # : 102397-A
PROJECT NAME : AGMP-4Q97

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	MW-19	AQUEOUS	10/23/97	NA	11/4/97	1
02	MW-20	AQUEOUS	10/23/97	NA	11/4/97	1
03	MW-14	AQUEOUS	10/23/97	NA	11/4/97	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	**3.5**
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	< 0.2
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**	**0.8**	< 0.2	**34**
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	**1.7**
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 1.0	< 1.0	**9.1**
1,1,2-TRICHLOROETHANE	0.2	**UG/L**	< 0.2	< 0.2	**0.6**
TRICHLOROETHENE	0.3	**UG/L**	**16**	< 0.3	**860 (D50)**
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 (%)			107	115	103
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
(D50) 50X DILUTION ANALYZED 11-4-97

007685

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 710410
PROJECT # : 102397-A
PROJECT NAME : AGMP-4Q97

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	MW-9	AQUEOUS	10/23/97	NA	11/4/97	1
05	MW-21	AQUEOUS	10/23/97	NA	11/4/97	1
06	MW-22	AQUEOUS	10/23/97	NA	11/4/97	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**	**2.2**	< 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	< 0.2
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**	**1.3**	< 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**	**41**	**3.3**	**9.3**
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**	**190 (D50)**	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	**UG/L**	**2.3**	**0.7**	**3.8**
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	**43**	**37**	**27**
1,1,2-TRICHLOROETHANE	0.2	**UG/L**	**0.2**	< 0.2	< 0.2
TRICHLOROETHENE	0.3	**UG/L**	**500 (D50)**	**130 (D5)**	**54**
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 (%)			107	97	96
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
(D50) 50X DILUTION ANALYZED 11-5-97
(D5) 5X DILUTION ANALYZED 11-5-97

007686

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS

TEST : PURGEABLE HALOCARBONS (EPA 8010)
CLIENT : SPARTON TECHNOLOGIES, INC. AEN I.D.: 710410
PROJECT # : 102397-A
PROJECT NAME : AGMP-4Q97

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	PZ-2	AQUEOUS	10/23/97	NA	11/4/97	1
08	MW-16	AQUEOUS	10/23/97	NA	11/4/97	1
09	TRIP BLANK	AQUEOUS	10/15/97	NA	11/4/97	1

PARAMETER	DET. LIMIT	UNITS	07	08	09
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**	**2.2**	**2.7**	< 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	< 0.2
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	**0.7**	< 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	**64 (D50)**	< 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**	**2.4**	< 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	**44**	< 0.5
1,1,1-TRICHLOROETHANE	1.0	**UG/L**	< 1.0	**700 (D50)**	< 1.0
1,1,2-TRICHLOROETHANE	0.2	**UG/L**	< 0.2	**4.6**	< 0.2
TRICHLOROETHENE	0.3	**UG/L**	**0.9**	**3900(D500)**	< 0.3
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 (%)			105	88	103
SURROGATE LIMITS	(73 - 117)				

CHEMIST NOTES:
(D50) 50X DILUTION ANALYZED 11-5-97
(D500) 500X DILUTION ANALYZED 11-5-97

007687

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 110497	AEN I.D.	: 710410
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 102397-A	DATE ANALYZED	: 11/4/97
PROJECT NAME	: AGMP-4Q97	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

007688

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 110497B	AEN I.D.	: 710410
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 102397-A	DATE ANALYZED	: 11/4/97
PROJECT NAME	: AGMP-4Q97	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 (%)		111
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

007689

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8010		
BLANK I.D.	: 110597	AEN I.D.	: 710410
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 102397-A	DATE ANALYZED	: 11/5/97
PROJECT NAME	: AGMP-4Q97	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 (%)		109
SURROGATE LIMITS	(73 - 117)	

CHEMIST NOTES:
N/A

007690

American Environmental Network, Inc.

GAS CHROMOTOGRAPHY - QUALITY CONTROL
MSMSD

TEST	: PURGEABLE HALOCARBONS (EPA 8010)		
MSMSD #	: 710410-02	AEN I.D.	: 710410
CLIENT	: SPARTON TECHNOLOGIES, INC.	DATE EXTRACTED	: N/A
PROJECT #	: 102397-A	DATE ANALYZED	: 11/5/97
PROJECT NAME	: AGMP-4Q97	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	9.4	94	10.1	101	7	(87 - 124)	20
1,1-DICHLOROETHENE	<0.2	10.0	6.0	60	6.2	62	3	(44 - 99)	20
TRICHLOROETHENE	<0.3	10.0	11.1	111	12.1	121	9	(89 - 127)	20

CHEMIST NOTES:
N/A

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

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

007691

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SIGNATURE PAGE

Reviewed by: Linda Lotton
AEN Project Manager

Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC. ALBUQUERQUE, NEW MEXICO
Project Name:	SPARTON
Project Number:	710410
Project Location:	AGMP-4Q97
Accession Number:	710403
Project Manager:	KIM MCNEILL
Sampled By:	N/S

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: Group of Single Wetchem

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	WET CHEM

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 710410-01			Lab ID: 001		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	730	1	CDW022	
PH (150.1)	UNITS	8.0	NA	PHW218	
Comments:					
Client ID: 710410-02			Lab ID: 002		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	620	1	CDW022	
PH (150.1)	UNITS	7.7	NA	PHW218	
Comments:					
Client ID: 710410-03			Lab ID: 003		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	780	1	CDW022	
PH (150.1)	UNITS	8.0	NA	PHW218	
Comments:					
Client ID: 710410-04			Lab ID: 004		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	640	1	CDW022	
PH (150.1)	UNITS	7.5	NA	PHW218	
Comments:					
Client ID: 710410-05			Lab ID: 005		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	620	1	CDW022	
PH (150.1)	UNITS	7.7	NA	PHW218	
Comments:					
Client ID: 710410-06			Lab ID: 006		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	690	1	CDW022	
PH (150.1)	UNITS	7.5	NA	PHW218	
Comments:					

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: Group of Single Wetchem
QcLevel: II

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: 710410-07			Lab ID: 007		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	3	1	CDW022	
PH (150.1)	UNITS	5.9	NA	PHW218	
Comments:					
Client ID: 710410-08			Lab ID: 008		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	930	1	CDW022	
PH (150.1)	UNITS	8.0	NA	PHW218	
Comments:					
Client ID: 710410-09			Lab ID: 009		
CONDUCTIVITY (120.1/2510 B)	UMH/CM	2	1	CDW022	
PH (150.1)	UNITS	5.7	NA	PHW218	
Comments:					

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: Group of Single Wetchem

Client ID:	Lab ID:	Matrix:	Date/Time Sampled:	Date Received:
710410-01	001	WATER	23-OCT-97 0916	24-OCT-97
710410-02	002	WATER	23-OCT-97 0912	24-OCT-97
710410-03	003	WATER	23-OCT-97 1043	24-OCT-97
710410-04	004	WATER	23-OCT-97 1025	24-OCT-97
710410-05	005	WATER	23-OCT-97 1120	24-OCT-97
710410-06	006	WATER	23-OCT-97 1235	24-OCT-97
710410-07	007	WATER	23-OCT-97 1250	24-OCT-97
710410-08	008	WATER	23-OCT-97 1235	24-OCT-97
710410-09	009	WATER	23-OCT-97 1500	24-OCT-97

"Method Report Summary"

Accession Number: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: Group of Single Wetchem

Client Sample Id:	Parameter:	Unit:	Result:
710410-01	CONDUCTIVITY (120.1/2510 B)	UMH/CM	730
	PH (150.1)	UNITS	8.0
710410-02	CONDUCTIVITY (120.1/2510 B)	UMH/CM	620
	PH (150.1)	UNITS	7.7
710410-03	CONDUCTIVITY (120.1/2510 B)	UMH/CM	780
	PH (150.1)	UNITS	8.0
710410-04	CONDUCTIVITY (120.1/2510 B)	UMH/CM	640
	PH (150.1)	UNITS	7.5
710410-05	CONDUCTIVITY (120.1/2510 B)	UMH/CM	620
	PH (150.1)	UNITS	7.7
710410-06	CONDUCTIVITY (120.1/2510 B)	UMH/CM	690
	PH (150.1)	UNITS	7.5
710410-07	CONDUCTIVITY (120.1/2510 B)	UMH/CM	3
	PH (150.1)	UNITS	5.9
710410-08	CONDUCTIVITY (120.1/2510 B)	UMH/CM	930
	PH (150.1)	UNITS	8.0
710410-09	CONDUCTIVITY (120.1/2510 B)	UMH/CM	2
	PH (150.1)	UNITS	5.7

'AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: TOTAL ORGANIC CARBON

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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: 23-OCT-97 0916
Client Sample Id: 710410-01 Received Date: 24-OCT-97

Batch: TOW104 Extraction Date: N/A
Blank: B Dry Weight %: N/A Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
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:	23-OCT-97 0912
Client Sample Id:	710410-02	Received Date:	24-OCT-97
Batch: TOW104		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-03

Sample Date/Time: 23-OCT-97 1043
Received Date: 24-OCT-97

Batch: TOW104
Blank: B

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-04
Sample Date/Time: 23-OCT-97 1025
Received Date: 24-OCT-97

Batch: TOW104
Blank: B
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	2	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-05

Sample Date/Time: 23-OCT-97 1120
Received Date: 24-OCT-97

Batch: TOW104
Blank: B

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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: 23-OCT-97 1235
Client Sample Id: 710410-06 Received Date: 24-OCT-97

Batch: TOW104 Extraction Date: N/A
Blank: B Dry Weight %: N/A Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
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:	23-OCT-97 1250
Client Sample Id:	710410-07	Received Date:	24-OCT-97
Batch: TOW104		Extraction Date:	N/A
Blank: B	Dry Weight %: N/A	Analysis Date:	04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-08

Sample Date/Time: 23-OCT-97 1235
Received Date: 24-OCT-97

Batch: TOW104
Blank: B

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	1	1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-09
Sample Date/Time: 23-OCT-97 1500
Received Date: 24-OCT-97

Batch: TOW104
Blank: B
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC CARBON	MG/L	ND	1	
ANALYST	INITIALS	KL		

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: TOTAL ORGANIC CARBON

Client Sample Id:	Parameter:	Unit:	Result:
710410-01	TOTAL ORGANIC CARBON	MG/L	1
710410-02	TOTAL ORGANIC CARBON	MG/L	2
710410-03	TOTAL ORGANIC CARBON	MG/L	1
710410-04	TOTAL ORGANIC CARBON	MG/L	2
710410-08	TOTAL ORGANIC CARBON	MG/L	1

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: TOTAL ORGANIC HALIDES IN WATER

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	SEMI-VOLATILE FUELS

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-01

Sample Date/Time: 23-OCT-97 0916
Received Date: 24-OCT-97

Batch: TXW059
Blank: B Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 30-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.01	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-02

Sample Date/Time: 23-OCT-97 0912
Received Date: 24-OCT-97

Batch: TXW060
Blank: A Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.01	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-03
Sample Date/Time: 23-OCT-97 1043
Received Date: 24-OCT-97

Batch: TXW060
Blank: A
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.47	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-04
Sample Date/Time: 23-OCT-97 1025
Received Date: 24-OCT-97

Batch: TXW060
Blank: A
Dry Weight %: N/A
Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.43	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-05

Sample Date/Time: 23-OCT-97 1120
Received Date: 24-OCT-97

Batch: TXW060
Blank: A Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.10	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-06

Sample Date/Time: 23-OCT-97 1235
Received Date: 24-OCT-97

Batch: TXW060
Blank: A Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.11	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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: 23-OCT-97 1250
Client Sample Id: 710410-07 Received Date: 24-OCT-97

Batch: TXW060 Extraction Date: N/A
Blank: A Dry Weight %: N/A Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	0.01	0.01	
ANALYST	INITIALS	PLD		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-08

Sample Date/Time: 23-OCT-97 1235
Received Date: 24-OCT-97

Batch: TXW060
Blank: B

Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 04-NOV-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	1.3	0.1	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
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
Client Sample Id: 710410-09

Sample Date/Time: 23-OCT-97 1500
Received Date: 24-OCT-97

Batch: TXW060
Blank: A Dry Weight %: N/A

Extraction Date: N/A
Analysis Date: 31-OCT-97

Parameter:	Units:	Results:	Rpt Lmts:	Q:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01	
ANALYST	INITIALS	PLD		

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 710403
Client: AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number: 710410
Project Name: SPARTON
Project Location: AGMP-4Q97
Test: TOTAL ORGANIC HALIDES IN WATER

Client Sample Id:	Parameter:	Unit:	Result:
710410-01	TOTAL ORGANIC HALIDES	MG/L	0.01
710410-02	TOTAL ORGANIC HALIDES	MG/L	0.01
710410-03	TOTAL ORGANIC HALIDES	MG/L	0.47
710410-04	TOTAL ORGANIC HALIDES	MG/L	0.43
710410-05	TOTAL ORGANIC HALIDES	MG/L	0.10
710410-06	TOTAL ORGANIC HALIDES	MG/L	0.11
710410-07	TOTAL ORGANIC HALIDES	MG/L	0.01
710410-08	TOTAL ORGANIC HALIDES	MG/L	1.3

Data Qualifiers for Final Report

AEN-Pensacola Inorganic/Organic

@	Adjusted reporting limit due to sample matrix (dilution prior to digestion and/or analysis)
+	Elevated reporting limit due to dilution into calibration range
*	Elevated reporting limit due to matrix interference (dilution prior to digestion and/or analysis)
#	Elevated reporting limit due to insufficient sample size
D	Diluted out
J5	The reported value is quantitated as a TIC; therefore, it is estimated
ND = Not Detected	N/S = Not Submitted N/A = Not Applicable

Florida Projects Inorganic/Organic

Y1	Improper preservation, no preservative present in sample upon receipt
Y2	Improper preservation, incorrect preservative present in sample upon receipt
Y3	Improper preservation, sample temperature exceeded EPA temperature limits of 2-6°C upon receipt
Y (FL description)	The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Q	Sample held beyond the accepted holding time
I	The reported value is < Laboratory RL and > laboratory MDL
U1	The reported value is ≤ Laboratory MDL (value for sample result is reported as the MDL)
U (FL description)	Indicates the compound was analyzed for but not detected.
T	The reported value is < Laboratory MDL (value shall not be used for statistical analysis)
V	The analyte was detected in both the sample and the associated method blank.
J1	Surrogate recovery limits have been exceeded
J2	The sample matrix interfered with the ability to make any accurate determinations
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy
J (FL description)	Estimated value; not accurate.

AFCEE Projects (under QAPP) and **All Other (AEN-PN) Projects/Sites for Inorganic/Organic Parameters**

J4	(For positive results) Temperature limits exceeded (≤2°C or ≥ 6°C)
J (AFCEE description)	The analyte was positively identified, the quantitation is an estimation
R1	(For nondetects) Temperature limits exceeded (≤2°C or ≥ 6°C)
R2	Improper preservation, no preservative present in sample upon receipt
R3	Improper preservation, incorrect preservative present in sample upon receipt
R4	Holding time exceeded
R5	Collection requirements not met, improper container used for sample
R (AFCEE description)	The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria
F	< RL and > laboratory MDL
F (AFCEE description)	The analyte was positively identified but the associated numerical value is below the AFCEE or lab RL
U2	≤ Laboratory MDL (value for result will be the MDL, never below the MDL)
U (AFCEE description)	The analyte was analyzed for but not detected. The associated numerical value is at or below the MDL
B (AFCEE description)	The analyte was found in the associated blank, as well as in the sample

ICR Projects Inorganic/Organic

A	Acceptable
R6	Rejected

Examples: ICR Flags

R6 = Laboratory extracted the sample but the refrigerator malfunctioned so the extract became warm and client was notified

R6 = Sample arrived in laboratory in good condition; however, the laboratory did not analyze it within EPA's established holding time limit.

CLP and CLP-like Projects

Refer to referenced CLP Statement of Work (SOW) for explanation of data qualifiers

IDL = Laboratory Instrument Detection Limit
MDL = Laboratory Method Detection Limit
RL = Reporting Limit (AFCEE RLs are listed in the AFCEE QAPP)
CLP CRDL = CLP Contract Required Detection Limit (these limits are listed in the EPA CLP Statement of Work or SOW)
CLP CRQL = CLP Contract Required Quantitation Limit (these limits are listed in the EPA CLP Statement of Work or SOW)

Any time a sample arrives at the laboratory improperly preserved (at improper pH or temperature) or after holding time has expired or prepared or analyzed after holding time, client must be notified in writing (i.e. case narrative).

AEN-Pensacola uses the most current promulgated methods contained in the reference manuals.

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Quality Control Report

Analysis: Group of Single Wetchem

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	WET CHEM

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"WetChem Quality Control Report"

Parameter:	CONDUCT'Y	PH
Batch Id:	CDW022	PHW218
Blank Result:	<1	N/A
Anal. Method:	120.1	150.1
Prep. Method:	N/A	N/A
Analysis Date:	04-NOV-97	24-OCT-97
Prep. Date:	04-NOV-97	24-OCT-97

Sample Duplication

Sample Dup:	710403-9	710403-1
Rept Limit:	<1	N/A
Sample Result:	2.2	8.04
Dup Result:	2.2	8.06
Sample RPD:	0G	0.02
Max RPD:	1	0.12
Dry Weight%	N/A	N/A

Matrix Spike

Sample Spiked:	N/A	N/A
Rept Limit:	N/A	N/A
Sample Result:		
Spiked Result:		
Spike Added:		
% Recovery:		
% Rec Limits:		
Dry Weight%		

ICV

ICV Result:	10.05
True Result:	10.00
% Recovery:	101
% Rec Limits:	90-110

LCS

LCS Result:	1427	6.87
True Result:	1412	6.87
% Recovery:	101	100
% Rec Limits:	98-102	96-104

----- 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.
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 DIGESTION AND/OR ANALYSIS).
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX (DILUTION PRIOR TO DIGESTION AND/OR ANALYSIS).
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
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.
(*) = REPORTING 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 EPA-approved edition.
EPA 600/4-79-020, Revised March 1983.
STANDARD METHODS, For the Examination of Water and Wastewater, latest EPA-approved edition.
NIOSH Manual of Analytical Methods, 4th Edition.
ANNUAL BOOK OF ASTM STANDARDS, VOLUMES 11.01 and 11.02, latest EPA-approved edition.
METHODS FOR THE DETERMINATION OF INORGANIC SUBSTANCES IN ENVIRONMENTAL SAMPLES, EPA600/R-93/100, AUGUST 1993
METHODS FOR SOIL ANALYSIS, PART 2, CHEMICAL AND MICROBILOGICAL PROPERTIES, 2ND EDITION.
AEN-PN USES THE MOST CURRENT PROMULGATED METHODS FROM THE REFERENCES LISTED ABOVE.

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.

RPD = RELATIVE PERCENT DIFFERENCE (OR DEVIATION).
RPT LMTS = REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.

DPH = DOLLY P. HWANG	RB = REBECCA BROWN	JL = JANET LECLEAR
MM = MIKE MCKENZIE	ED = ESTHER DANTIN	CR = CYNTHIA ROBERTS
PLD = PAULA L. DOUGHTY	LV = LASSANDRA VON APPEN	JTZ = JONATHAN T. ZIENTARSKI
RH = RICKY HAGENDORFER	MG = MARY GUTIERREZ	AB = AMY BRADLEY

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Quality Control Report

Analysis: TOTAL ORGANIC CARBON

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"QC Report"

Title: Water Blank
Batch: TOW104
Analysis Method: 415.1/EPA-600/4-79-020,March 1983.
Extraction Method: N/A

Blank Id: B Date Analyzed: 04-NOV-97 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC CARBON	MG/L	ND	1
ANALYST	INITIALS	KL	

Comments:

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"QC Report"

Title: Water Reagent
Batch: TOW104
Analysis Method: 415.1/EPA-600/4-79-020,March 1983.
Extraction Method: N/A

RS Date Analyzed: 03-NOV-97
RSD Date Analyzed: 03-NOV-97

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	7.0	104	7.0	104	0	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 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"QC Report"

Title: Water Matrix
Batch: TOW104
Analysis Method: 415.1/EPA-600/4-79-020,March 1983.
Extraction Method: N/A

Dry Weight %: N/A
Sample Spiked: 710494-11

MS Date Analyzed: 04-NOV-97
MSD Date Analyzed: 04-NOV-97

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	7.0	104	7.0	104	0	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
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
ND = NOT DETECTED

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

RPT LMTS = 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-846 METHOD 9020
PARTICULATE MATTER IS REMOVED BY ALLOWING PARTICULATES TO SETTLE IN THE SAMPLE CONTAINER AND DECANTING THE SUPERNATANT LIQUID. EXCESSIVE PARTICULATES ARE REMOVED BY FILTRATION OF THE SUPERNATANT LIQUID.

AEN-PN USES THE MOST CURRENT PROMULGATED METHODS CONTAINED IN THE REFERENCE MANUALS.

SW = STEVE WILHITE
RW = ROBERT WOLFE
KS = KENDALL SMITH
KL = KERRY LEMONT
JO = JENNIFER O'NEAL
LP = LEVERNE PETERSON
PLD = PAULA DOUGHTY
JL = JANET LECLEAR

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Quality Control Report

Analysis: TOTAL ORGANIC HALIDES IN WATER

Accession:	710403
Client:	AMERICAN ENVIRONMENTAL NETWORK (NEW MEXICO) INC.
Project Number:	710410
Project Name:	SPARTON
Project Location:	AGMP-4Q97
Department:	SEMI-VOLATILE FUELS

AMERICAN ENVIRONMENTAL NETWORK 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"QC Report"

Title: Water Blank
Batch: TXW059
Analysis Method: 9020/Test Methods for Evaluating Solid and Haz Waste, SW-846, 3rd Ed.
Extraction Method: N/A

Blank Id: B Date Analyzed: 30-OCT-97 Date Extracted: N/A

Parameters:	Units:	Results:	Reporting Limits:
TOTAL ORGANIC HALIDES	MG/L	ND	0.01
ANALYST	INITIALS	PLD	

Comments:

Common Notation for Organic Reporting

N/S = NOT SUBMITTED
N/A = NOT APPLICABLE
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
ND = NOT DETECTED

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRYWEIGHT BASIS.

RPT LMTS = 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.

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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-846 METHOD 9020
PARTICULATE MATTER IS REMOVED BY ALLOWING PARTICULATES TO SETTLE IN THE SAMPLE CONTAINER AND DECANTING THE SUPERNATANT LIQUID. EXCESSIVE PARTICULATES ARE REMOVED BY FILTRATION OF THE SUPERNATANT LIQUID.

AEN-PN USES THE MOST CURRENT PROMULGATED METHODS CONTAINED IN THE REFERENCE MANUALS.

SW = STEVE WILHITE
RW = ROBERT WOLFE
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LP = LEVERNE PETERSON
PLD = PAULA DOUGHTY
JL = JANET LECLEAR

American Environmental Network of Florida
PROJECT SAMPLE INSPECTION FORM

Lab Accession #: 710403 Date Received: 10/24/97

1. Was there a Chain of Custody? (Yes) No♣
2. Was Chain of Custody properly filled out and relinquished? (Yes) No♣
3. Were samples received cold? (Criteria: 2° - 6°C: AEN-SOP 1055) (Yes) No♣ N/A
4. Were all samples properly labeled and identified? (Yes) No♣
5. Did samples require splitting? Yes♦ (No)
   Req By: PM Client Other♦
6. Were samples received in proper containers for analysis requested? (Yes) No♣
7. Were all sample containers received intact? (Yes) No♣
8. Were samples checked for preservative? *(Check pH of all H_2O requiring preservative except VOA vials that require zero headspace)*+ (Yes) No♣ N/A
9. Is there sufficient volume for analysis requested? (Yes) No♣
10. Were samples received within Holding Time? (REFER TO AEN-SOP 1040) (Yes) No♣
11. Is Headspace visible > ¼" in diameter in VOA vials?* If any headspace is evident, comment in out-of-control section. Yes♣ No (N/A)
12. If sent, were matrix spike bottles returned? Yes No♣ (N/A)
13. Was Project Manager notified of problems? (initials:_____) Yes (No♣) N/A

Airbill Number(s): 313 9044781 Shipped By: FEDEX

Cooler Number(s): Theis Shipping Charges: N/A

Cooler Weight(s): 49# Cooler Temp(s) (°C): CCK 4°C

(LIST THERMOMETER NUMBER(S) FOR VERIFICATION)

Out of Control Events and Inspection Comments:

(USE BACK OF PSIF FOR ADDITIONAL NOTES AND COMMENTS)

Inspected By: WS Date: 10/24/97 Logged By: WS Date: 10/24/97

♣ *Note all Out-of-Control and/or questionable events on Comment Section of this form.*

♦ *Note who requested the splitting of samples on the Comment Section of this form.*

\+ *All preservatives for the State of North Carolina, the State of New York, and other requested samples are to be recorded on the sheet provided to record pH results (AEN-SOP 938, section 2.2.9).*

* *According to EPA, ¼" of headspace is allowed in 40 ml vials requiring volatile analysis, however, AEN makes it policy to record any headspace as out-of-control (AEN-SOP 938, section 2.2.12).*

007736

710403

American Environmental Network
Albuquerque, New Mexico

Interlab Chain of Custody

DATE 10-23 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)	pH + Electrical Conductivity	TOX	TOC	Gen Chemistry			Oil and Grease	BOD	COD	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral Acid Compounds GCMS (625/8270)	Volatile Organics GCMS (624/8240)	Polynuclear Aromatics (610/8310)	8240 (TCLP 1311) ZHE	8270 (TCLP 1311)			TCLP	Gross Alpha/Beta	007737			NUMBER OF CONTAINERS
710 410 -01	10-23	0916	AQ						X	X	X																					
-02		0912							X	X	X																					
-03		1043							X	X	X																					
-04		1025							X	X	X																					
-05		1120							X	X	X																					
-06		1235							X	X	X																					
-07		1250							X	X	X																					
-08		1235							X	X	X																					
-09		1500							X	X	X																					

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:	
PROJECT NUMBER	710 410	TOTAL NUMBER OF CONTAINERS		SAN DIEGO	
PROJECT NAME	Sparton technology	CHAIN OF CUSTODY SEALS		Paragon	
QC LEVEL	STD IV	INTACT?		RENTON	
SPECIFIED	MS MSD BLANK	RECEIVED GOOD COND/COLD		PENSACOLA	X
TAT	STANDARD RUSH	LAB NUMBER		PORTLAND	
				PHOENIX	

DUE DATE: 11-5-97
RUSH SURCHARGE:
CLIENT DISCOUNT
SPECIAL CERTIFICATION REQUIRED ☐ YES ☐ NO

RELINQUISHED BY: 1.	RELINQUISHED BY: 2
Signature: Time: 1700	Signature Time
Printed Name: Brian Price Date: 10-23-97	Printed Name Date
Albuquerque NM	Company
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 0816
Printed Name: Date:	Printed Name: William Snyder Date 10/24/97
Company:	Company: AEN

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

Rechecked by: WS

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 10-23-97 PAGE: 1 OF 1

AEN LAB ID:

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:
COMPANY: 4901 Rockaway Blvd.
ADDRESS: Rio Rancho, NM 87124

ANALYSIS REQUESTED

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	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 + Elec. Conductivity	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)	General Chemistry:	TOC	TOX	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:
MW-19	10-23-97	0916	H_2O	01								X	X									X	X					
MW-20	"	0912	"	02								X	X									X	X					
MW-14	"	1043	"	03								X	X									X	X					
MW-9	"	1025	"	04								X	X									X	X					
MW-21	"	1120	"	05								X	X									X	X					
MW-22	"	1235	"	06								X	X									X	X					
PZ-2	"	1250	"	07								X	X									X	X					
MW-16	"	1235	"	08								X	X									X	X					
Trip Blank	10-15-97	1500	"	09								X	X									X	X					

007738

PROJECT INFORMATION

PROJ. NO.: 102397-A
PROJ. NAME: ACMP-4097
P.O. NO.:
SHIPPED VIA: Delivered

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☐ 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: ☐ NM ☐ SDWA ☐ OTHER

METHANOL PRESERVATION ☐

COMMENTS: FIXED FEE ☐

'C of C seals on cooler

From Field

RELINQUISHED BY:
Signature: [signature] Time: 1405
Printed Name: John Wakefield Date: 10-23-97
Company: S.T.I.

RECEIVED BY:
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY:
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY:

PLEASE FILL THIS FORM IN COMPLETELY.

American Environmental Network (NM), Inc.
Albuquerque • Phoenix • Pensacola • Portland • Pleasant Hills • Columbia

CHAIN OF CUSTODY

DATE: 10-23-97 PAGE: 1 OF 1

AEN LAB #:

PROJECT MANAGER: John M. Wakefield

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MW-19	10-23-97	0916	H_2O										X	X											X	X						
MW-20	"	0912	"										X	X											X	X						
MW-14	"	1043	"										X	X											X	X						
MW-9	"	1025	"										X	X											X	X						
MW-21	"	1120	"										X	X											X	X						
MW-22	"	1235	"										X	X											X	X						
PZ-2	"	1250	"										X	X											X	X						
MW-16	"	1235	"										X	X											X	X						
Trip Blank	10-15-97	1500	"										X	X											X	X						

007739

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT INFORMATION

PROJ. NO.: 102397-A
PROJ. NAME: ACMP-4Q97
P.O. NO.:
SHIPPED VIA: Delivered

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) [ ] 24hr [ ] 48hr [ ] 72hr [ ] 1 WEEK (NORMAL) X

CERTIFICATION REQUIRED: [ ] NM [ ] SDWA [ ] OTHER

METHANOL PRESERVATION [ ]

COMMENTS: FIXED FEE [ ]

C of C seals on cooler

From Field

RELINQUISHED BY: #1

Signature: [signature] Time: 1405
Printed Name: John Wakefield Date: 10-23-97
Company: S.T.I.

RELINQUISHED BY: #2

Signature: Time:
Printed Name: Date:
Company:

Signature: Time:
Printed Name: Date:
Company: