

American Environmental Network, Inc.

AEN I.D. 806338

SVE Sampling
6/10/98

June 12, 1998

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



Project Name SVE-61098
Project Number 61098

Attention: JOHN WAKEFIELD

On 6/10/98 American Environmental Network (NM), Inc. (ADHS License No. AZ0015), received a request to analyze air samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

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

Handwritten signature of Kimberly D. McNeill in black ink.

Kimberly D. McNeill
Project Manager

Handwritten signature of H. Mitchell Rubenstein in black ink.

H. Mitchell Rubenstein, Ph. D.
General Manager

MR: mt

Enclosure

American Environmental Network, Inc.

CLIENT	: SPARTON TECHNOLOGIES, INC.	AEN I.D.	: 806338
PROJECT #	: 61098	DATE RECEIVED	: 6/10/98
PROJECT NAME	: SVE-61098	REPORT DATE	: 6/12/98
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AEN			DATE
ID. #	CLIENT DESCRIPTION	MATRIX	COLLECTED
01	SVE EX POST CAT	AIR	6/10/98
02	SVE INFLUENT	AIR	6/10/98

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260-TCL
 CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D. : 806338
 PROJECT # : 061098 DATE RECEIVED : 6/10/98
 PROJECT NAME : SVE-61098

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
806338-01	SVE-EX POST CAT	AIR	6/10/98	N/A	06/10/98	5
PARAMETER	DET. LIMIT	UNITS				

✓ Dichlorodifluoromethane	0.10	< 0.50	MG/M ³
✓ Chloromethane	0.10	< 0.50	MG/M ³
✓ Vinyl Chloride	0.10	< 0.50	MG/M ³
✓ Bromomethane	0.10	< 0.50	MG/M ³
✓ Chloroethane	0.10	< 0.50	MG/M ³
✓ Trichlorofluoromethane	0.10	< 0.50	MG/M ³
✓ Acetone	1.0	13	MG/M ³
✓ 1,1-Dichloroethene	0.10	5.4	MG/M ³
✓ Iodomethane	0.10	< 0.50	MG/M ³
✓ Methylene Chloride	0.10	< 0.50	MG/M ³
✓ cis-1,2-Dichloroethene	0.10	< 0.50	MG/M ³
1,1-Dichloroethane	0.10	< 0.50	MG/M ³
trans-1,2-Dichloroethene	0.10	< 0.50	MG/M ³
2-Butanone	1.0	< 5.0	MG/M ³
✓ Carbon Disulfide	0.10	2.7	MG/M ³
✓ Chloroform	0.10	< 0.50	MG/M ³
1,2-Dichloroethane	0.10	< 0.50	MG/M ³
Vinyl Acetate	0.10	< 0.50	MG/M ³
1,1,1-Trichloroethane	0.10	1.4	MG/M ³
Carbon Tetrachloride	0.10	< 0.50	MG/M ³
Benzene	0.10	< 0.50	MG/M ³
1,2-Dichloropropane	0.10	< 0.50	MG/M ³
✓ Trichloroethene	0.10	44	MG/M ³
Bromodichloromethane	0.10	< 0.50	MG/M ³
2-Chloroethyl Vinyl Ether	1.0	< 5.0	MG/M ³
cis-1,3-Dichloropropene	0.10	< 0.50	MG/M ³
trans-1,3-Dichloropropene	0.10	< 0.50	MG/M ³
1,1,2-Trichloroethane	0.10	< 0.50	MG/M ³
Toluene	0.10	< 0.50	MG/M ³
1,2-Dibromoethane	0.10	< 0.50	MG/M ³
4-Methyl-2-Pentanone	1.0	< 5.0	MG/M ³
2-Hexanone	1.0	< 5.0	MG/M ³
✓ Dibromochloromethane	0.10	< 0.50	MG/M ³
✓ Tetrachloroethene	0.10	1.3	MG/M ³
✓ Chlorobenzene	0.10	< 0.50	MG/M ³
✓ Ethylbenzene	0.10	< 0.50	MG/M ³
✓ m&p Xylenes	0.10	< 0.50	MG/M ³
✓ o-Xylene	0.10	< 0.50	MG/M ³
Styrene	0.10	< 0.50	MG/M ³
Bromoform	0.10	< 0.50	MG/M ³
1,1,2,2-Tetrachloroethane	0.10	< 0.50	MG/M ³
1,3-Dichlorobenzene	0.10	< 0.50	MG/M ³
1,4-Dichlorobenzene	0.10	< 0.50	MG/M ³
1,2-Dichlorobenzene	0.10	< 0.50	MG/M ³

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806338-01	SVE-EX POST CAT	AIR	6/10/98	N/A	06/10/98	5

PARAMETER	DET. LIMIT	UNITS
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SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	102	(80 - 120)
Toluene-d8	103	(81 - 117)
Bromofluorobenzene	102	(74 - 121)

GC/MS RESULTS

TEST : VOLATILE ORGANICS EPA METHOD 8260-TCL
 CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D. : 806338
 PROJECT # : 061098 DATE RECEIVED : 6/10/98
 PROJECT NAME : SVE-61098

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
806338-02	SVE INFLUENT	AIR	6/10/98	N/A	06/10/98	50
PARAMETER	DET. LIMIT	UNITS				

Dichlorodifluoromethane	0.10	< 5.0	MG/M ³
Chloromethane	0.10	< 5.0	MG/M ³
Vinyl Chloride	0.10	< 5.0	MG/M ³
Bromomethane	0.10	< 5.0	MG/M ³
Chloroethane	0.10	< 5.0	MG/M ³
Trichlorofluoromethane	0.10	< 5.0	MG/M ³
Acetone	1.0	< 50	MG/M ³
1,1-Dichloroethene	0.10	7.6	MG/M ³
Iodomethane	0.10	< 5.0	MG/M ³
Methylene Chloride	0.10	< 5.0	MG/M ³
cis-1,2-Dichloroethene	0.10	< 5.0	MG/M ³
1,1-Dichloroethane	0.10	< 5.0	MG/M ³
trans-1,2-Dichloroethene	0.10	< 5.0	MG/M ³
2-Butanone	1.0	< 50	MG/M ³
Carbon Disulfide	0.10	< 5.0	MG/M ³
Chloroform	0.10	< 5.0	MG/M ³
1,2-Dichloroethane	0.10	< 5.0	MG/M ³
Vinyl Acetate	0.10	< 5.0	MG/M ³
1,1,1-Trichloroethane	0.10	34	MG/M ³
Carbon Tetrachloride	0.10	< 5.0	MG/M ³
Benzene	0.10	< 5.0	MG/M ³
1,2-Dichloropropane	0.10	< 5.0	MG/M ³
Trichloroethene	0.10	160	MG/M ³
Bromodichloromethane	0.10	< 5.0	MG/M ³
2-Chloroethyl Vinyl Ether	1.0	< 50	MG/M ³
cis-1,3-Dichloropropene	0.10	< 5.0	MG/M ³
trans-1,3-Dichloropropene	0.10	< 5.0	MG/M ³
1,1,2-Trichloroethane	0.10	< 5.0	MG/M ³
Toluene	0.10	< 5.0	MG/M ³
1,2-Dibromoethane	0.10	< 5.0	MG/M ³
4-Methyl-2-Pentanone	1.0	< 50	MG/M ³
2-Hexanone	1.0	< 50	MG/M ³
Dibromochloromethane	0.10	< 5.0	MG/M ³
Tetrachloroethene	0.10	< 5.0	MG/M ³
Chlorobenzene	0.10	< 5.0	MG/M ³
Ethylbenzene	0.10	< 5.0	MG/M ³
m&p Xylenes	0.10	5.9	MG/M ³
o-Xylene	0.10	< 5.0	MG/M ³
Styrene	0.10	< 5.0	MG/M ³
Bromoform	0.10	< 5.0	MG/M ³
1,1,2,2-Tetrachloroethane	0.10	< 5.0	MG/M ³
1,3-Dichlorobenzene	0.10	< 5.0	MG/M ³
1,4-Dichlorobenzene	0.10	< 5.0	MG/M ³
1,2-Dichlorobenzene	0.10	< 5.0	MG/M ³

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PROJECT NAME : SVE-61098

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
806338-02	SVE INFLUENT	AIR	6/10/98	N/A	06/10/98	50

PARAMETER	DET. LIMIT	UNITS
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SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	102	(80 - 120)
Toluene-d8	104	(81 - 117)
Bromofluorobenzene	102	(74 - 121)

GC/MS RESULTS

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 CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D. : 806338
 PROJECT # : 61098
 PROJECT NAME : SVE-61098

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	061098	AIR	N/A	06/10/98	1

PARAMETER	DET. LIMIT	UNITS
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Dichlorodifluoromethane	0.10	< 0.10	MG/M ³
Chloromethane	0.10	< 0.10	MG/M ³
Vinyl Chloride	0.10	< 0.10	MG/M ³
Bromomethane	0.10	< 0.10	MG/M ³
Chloroethane	0.10	< 0.10	MG/M ³
Trichlorofluoromethane	0.10	< 0.10	MG/M ³
Acetone	1.0	< 1.0	MG/M ³
1,1-Dichloroethene	0.10	< 0.10	MG/M ³
Iodomethane	0.10	< 0.10	MG/M ³
Methylene Chloride	0.10	< 0.10	MG/M ³
cis-1,2-Dichloroethene	0.10	< 0.10	MG/M ³
1,1-Dichloroethane	0.10	< 0.10	MG/M ³
trans-1,2-Dichloroethene	0.10	< 0.10	MG/M ³
2-Butanone	1.0	< 1.0	MG/M ³
Carbon Disulfide	0.10	< 0.10	MG/M ³
Chloroform	0.10	< 0.10	MG/M ³
1,2-Dichloroethane	0.10	< 0.10	MG/M ³
Vinyl Acetate	0.10	< 0.10	MG/M ³
1,1,1-Trichloroethane	0.10	< 0.10	MG/M ³
Carbon Tetrachloride	0.10	< 0.10	MG/M ³
Benzene	0.10	< 0.10	MG/M ³
1,2-Dichloropropane	0.10	< 0.10	MG/M ³
Trichloroethene	0.10	< 0.10	MG/M ³
Bromodichloromethane	0.10	< 0.10	MG/M ³
2-Chloroethyl Vinyl Ether	1.0	< 1.0	MG/M ³
cis-1,3-Dichloropropene	0.10	< 0.10	MG/M ³
trans-1,3-Dichloropropene	0.10	< 0.10	MG/M ³
1,1,2-Trichloroethane	0.10	< 0.10	MG/M ³
Toluene	0.10	< 0.10	MG/M ³
1,2-Dibromoethane	0.10	< 0.10	MG/M ³
4-Methyl-2-Pentanone	1.0	< 1.0	MG/M ³
2-Hexanone	1.0	< 1.0	MG/M ³
Dibromochloromethane	0.10	< 0.10	MG/M ³
Tetrachloroethene	0.10	< 0.10	MG/M ³
Chlorobenzene	0.10	< 0.10	MG/M ³
Ethylbenzene	0.10	< 0.10	MG/M ³
m&p Xylenes	0.10	< 0.10	MG/M ³
o-Xylene	0.10	< 0.10	MG/M ³
Styrene	0.10	< 0.10	MG/M ³
Bromoform	0.10	< 0.10	MG/M ³
1,1,2,2-Tetrachloroethane	0.10	< 0.10	MG/M ³
1,3-Dichlorobenzene	0.10	< 0.10	MG/M ³
1,4-Dichlorobenzene	0.10	< 0.10	MG/M ³
1,2-Dichlorobenzene	0.10	< 0.10	MG/M ³

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CLIENT : SPARTON TECHNOLOGY, INC. AEN I.D. : 806338
PROJECT # : 61098
PROJECT NAME : SVE-61098

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	061098	AIR	N/A	06/10/98	1

PARAMETER	DET. LIMIT	UNITS
SURROGATE % RECOVERY		
1,2-Dichloroethane-d4		97 (80 - 120)
Toluene-d8		97 (81 - 117)
Bromofluorobenzene		93 (74 - 121)

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\82600310.M (RTE Integrator)
 Title : AEN New Mexico GC/MS
 Last Update : Tue May 12 14:39:09 1998
 Response via : Initial Calibration

Non-Spiked Sample: 061098B1.D

Spike Sample	Spike Duplicate Sample
File ID : 061098S1.D	061098S2.D
Sample : BS	BSD
Acq Time: 10 Jun 98 12:15 pm	10 Jun 98 12:52 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.0	50	48	44	97	88	9	14	61-145
Benzene	0.0	50	50	47	101	95	6	11	76-127
Trichloroethene	0.0	50	51	48	102	96	6	14	71-120
Toluene	0.0	50	52	48	104	96	8	13	76-125
Chlorobenzene	0.0	50	51	48	103	95	8	13	75-130

- Fails Limit Check

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: John W. Wakefield COMPANY: Sparker Technology Inc. ADDRESS: 9821 Coors Rd. NW Albuquerque NM 87114 PHONE: 505 892-5300 FAX: 505 892-5515 BILL TO: " COMPANY: " ADDRESS: 4901 Rockaway Blvd SE KSA Rancho NW 87124		ANALYSIS REQUEST 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 <input type="checkbox"/> / DBCP <input type="checkbox"/> 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: Priority Pollutant Metals (13) Target Analyte List Metals (23) RCRA Metals (8) RCRA Metals by TCLP (Method 1311) Metals:	
PROJECT INFORMATION PROJ. NO.: 061098 PROJ. NAME: SVE - 61098 PO. NO.: SHIPPED VIA: Delivered SAMPLE RECEIPT		PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS (RUSH) <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input type="checkbox"/> 1 WEEK (NORMAL) <input checked="" type="checkbox"/> CERTIFICATION REQUIRED: <input type="checkbox"/> NM <input type="checkbox"/> SDWA <input type="checkbox"/> OTHER METHANOL PRESERVATION <input type="checkbox"/> COMMENTS: FIXED FEE <input type="checkbox"/>	
SAMPLE ID SVE Ex Post Cat SVE Influent DATE: 6-10-98 TIME: 1121 MATRIX: Au LAB I.D.: 01 1124 1072		RELINQUISHED BY: 1. Signature: [Signature] Date: 6-10-98 Time: 1300 Company: STI RECEIVED BY: [Signature] Date: 6-10-98 Time: 1301 Company: STI	
RELINQUISHED BY: 2. Signature: Date: Company:		RECEIVED BY (LAB): [Signature] Date: 6/10/98 Time: 1301 Company: STI	