TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/01/2002

Job Number: 02.19244

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

Sample Number	Sample Description	Date Taken	Date Received
791029	SBI015:MW7:G092002:509	09/20/2002	09/24/2002
791030	SBI015:MW8:G092002:509	09/20/2002	09/24/2002
791031	SBI015:MW6:G092002:509	09/20/2002	09/24/2002
791032	SBI015:MW4:G092002:509	09/20/2002	09/24/2002
791033	SBI015:MW2:G092002:509	09/20/2002	09/24/2002
791034	SBI015:MW9:G092002:509	09/20/2002	09/24/2002
791035	SBI015:MW1:G092002:509	09/20/2002	09/24/2002
791036	SBI015:FB1:W092002:509	09/20/2002	09/24/2002

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure

Kenneth Hull
Approved By

3601 South Dixie Drive/Dayton, OH 45439/937-294-6856/FAX:937-294-7816

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ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791029	SBI015:MW7:G092002:509	09/20/2002 12:20

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/27/2002	23:12		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/27/2002	23:16		1104	ekh	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:12	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:16		1467	ekh	SW 6020
Barium, ICPMS	0.0396	mg/L	<0.0050		09/27/2002	23:12	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.0352	mg/L	<0.0050		09/27/2002	23:16		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:12	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:16		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:12	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:16	2263	5075	ekh	SW 6020
Lead, ICPMS	0.0055	mg/L	<0.0010		09/27/2002	23:12	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:16		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	15:50	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	15:55	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0054	mg/L	<0.0050	MSR	09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:12	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:16	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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6130 Wilcox Rd.
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10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791030	SBI015:MW8:G092002:509	09/20/2002 12:35

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/27/2002	22:52		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/27/2002	23:07		1104	ekh	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	22:52	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:07		1467	ekh	SW 6020
Barium, ICPMS	0.0564	mg/L	<0.0050		09/27/2002	22:52	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.0435	mg/L	<0.0050		09/27/2002	23:07		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	22:52	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:07		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	22:52	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:07	2263	5075	ekh	SW 6020
Lead, ICPMS	0.0061	mg/L	<0.0010		09/27/2002	22:52	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:07		1488	ekh	SW 6020
Mercury,CVAA	0.0002	mg/L	<0.0002		09/27/2002	15:57	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	15:59	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0050	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	22:52	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:07	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791031	SBI015:MW6:G092002:509	09/20/2002 12:42

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/27/2002	23:21		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/27/2002	23:26		1104	ekh	SW 6020
Arsenic, ICPMS	0.0684	mg/L	<0.0050		09/27/2002	23:21	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:26		1467	ekh	SW 6020
Barium, ICPMS	0.130	mg/L	<0.0050		09/27/2002	23:21	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.041	mg/L	<0.0050		09/27/2002	23:26		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:21	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:26		1481	ekh	SW 6020
Chromium, ICPMS	0.0068	mg/L	<0.0050		09/27/2002	23:21	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:26	2263	5075	ekh	SW 6020
Lead, ICPMS	0.0362	mg/L	<0.0010		09/27/2002	23:21	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:26		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:01	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:03	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0052	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:21	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:26	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791032	SBI015:MW4:G092002:509	09/20/2002 12:50

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/27/2002	23:56		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/28/2002	00:01		1104	ekh	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:56	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:01		1467	ekh	SW 6020
Barium, ICPMS	0.0462	mg/L	<0.0050		09/27/2002	23:56	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.0466	mg/L	<0.0050		09/28/2002	00:01		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:56	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:01		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/27/2002	23:56	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:01	2263	5075	ekh	SW 6020
Lead, ICPMS	<0.0010	mg/L	<0.0010		09/27/2002	23:56	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:01		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:05	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:07	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0070	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/27/2002	23:56	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:01	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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6130 Wilcox Rd.
Dublin, OH 43016

10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791033	SBI015:MW2:G092002:509	09/20/2002 13:05

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/28/2002	00:06		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/28/2002	00:11		1104	ekh	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:06	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:11		1467	ekh	SW 6020
Barium, ICPMS	0.082	mg/L	<0.0050		09/28/2002	00:06	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.074	mg/L	<0.0050		09/28/2002	00:11		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:06	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:11		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:06	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:11	2263	5075	ekh	SW 6020
Lead, ICPMS	0.0027	mg/L	<0.0010		09/28/2002	00:06	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:11		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:13	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:15	1911	1933	jdm	SW 7470A
Selenium, GFAA	<0.0050	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:06	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:11	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791034	SBI015:MW9:G092002:509	09/20/2002 13:15

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/28/2002	00:16		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/28/2002	00:21		1104	ekh	SW 6020
Arsenic, ICPMS	0.0485	mg/L	<0.0050		09/28/2002	00:16	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:21		1467	ekh	SW 6020
Barium, ICPMS	0.196	mg/L	<0.0050		09/28/2002	00:16	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.0506	mg/L	<0.0050		09/28/2002	00:21		1536	ekh	SW 6020
Cadmium, ICPMS	0.0013	mg/L	<0.0010		09/28/2002	00:16	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:21		1481	ekh	SW 6020
Chromium, ICPMS	0.0219	mg/L	<0.0050		09/28/2002	00:16	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:21	2263	5075	ekh	SW 6020
Lead, ICPMS	0.112	mg/L	<0.0010		09/28/2002	00:16	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:21		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:17	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:18	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0075	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:16	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:21	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

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Dublin, OH 43016

10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791035	SBI015:MW1:G092002:509	09/20/2002 13:25

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/28/2002	00:25		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/28/2002	00:30		1104	ekh	SW 6020
Arsenic, ICPMS	0.0059	mg/L	<0.0050		09/28/2002	00:25	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:30		1467	ekh	SW 6020
Barium, ICPMS	0.0447	mg/L	<0.0050		09/28/2002	00:25	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	0.0246	mg/L	<0.0050		09/28/2002	00:30		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:25	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:30		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:25	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:30	2263	5075	ekh	SW 6020
Lead, ICPMS	0.0114	mg/L	<0.0010		09/28/2002	00:25	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:30		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:20	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:22	1911	1933	jdm	SW 7470A
Selenium, GFAA	0.0051	mg/L	<0.0050		09/27/2002		927	705	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:25	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:30	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/01/2002

Job Number: 02.19244

Client Project ID: South Bend Indiana SBI015

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
791036	SBI015:FB1:W092002:509	09/20/2002 13:35

	Result	Units	Reporting Limit	Flag	Date Analyzed	Time Analyzed	Prep Batch	Run Batch	Anal. Init.	Method Reference
ICPMS TOTAL METALS	Complete		Complete		09/28/2002	00:35		3344	ekh	SW 6020
ICPMS DISSOLVED METALS	Complete		Complete		09/28/2002	00:40		1104	ekh	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:35	2263	4622	ekh	SW 6020
Arsenic, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:40		1467	ekh	SW 6020
Barium, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:35	2263	4825	ekh	SW 6020
Barium, Dissolved, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:40		1536	ekh	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:35	2263	4508	ekh	SW 6020
Cadmium, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:40		1481	ekh	SW 6020
Chromium, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:35	2263	5075	ekh	SW 6020
Chromium, Diss, ICPMS	<0.0050	mg/L	<0.0050		09/28/2002	00:40	2263	5075	ekh	SW 6020
Lead, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:35	2263	4588	ekh	SW 6020
Lead, Dissolved, ICPMS	<0.0010	mg/L	<0.0010		09/28/2002	00:40		1488	ekh	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:24	1911	1933	jdm	SW 7470A
Mercury, Dissolved, CVAA	<0.0002	mg/L	<0.0002		09/27/2002	16:26	1911	1933	jdm	SW 7470A
Selenium, GFAA	<0.0050	mg/L	<0.0050		10/01/2002		927	707	lnh	SW 7740
Selenium, Dissolved, GFAA	<0.0050	mg/L	<0.0050		10/01/2002			202	lnh	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:35	2263	4874	ekh	SW 6020
Silver, Dissolved, ICPMS	<0.0005	mg/L	<0.0005		09/28/2002	00:40	2263	4874	ekh	SW 6020
Metals Digestion, ICPMS	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Digestion, ICPMS, Dissolved	Complete		Complete		09/26/2002	20:00	2263		mjs	SW 3010A
Metals Digestion, GFAA	Complete		Complete		09/25/2002	09:45	927		jdm	SW 3020A
Manual Mercury Digestion	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A
Mercury, Dissolved Prep	Complete		Complete		09/26/2002	16:40	1911		mjs	SW 7470A

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 02.19244

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are < 1/4 of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

0044

CHAIN OF CUSTODY RECORD

NO. 07454

Hull & Associates, Inc.

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☐ Solon
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Suite A
Solon, Ohio 44139
Phone: (440) 519-2555
Fax: (440) 519-2560

REPORT TO: Terry Baehr

Client: City of South Bend
Site: Oliver Plow - Site C
Project#: SB2015 Phase: 01 Smp
Samplers: Mike Chardhal

SAMPLE TYPES: A AIR, C ASBESTOS, D SEDIMENT, G GROUNDWATER, P PRODUCT, S SOIL, W WATER, Z OTHERS

PRESERVATIVES: A – Cool only, <4° C; B – HNO_3 pH<2; C – H_2SO_4 pH<2; D – NaOH pH>12; E – ZnAcetate + NaOH, pH>9; F – $Na_2S_2O_3$(0.008%); G – HCL pH <2

METALS: F – FILTERED; N – NOT FILTERED; B – BOTH

All samples are kept at 4°C.

ANALYSES

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF CONT.	METALS	SAMPLING DATE/TIME	Total RCRA Metals	Diss RCRA Metals									COMMENTS
PRESERVATIVES							B	B									
SB2015	MW7	G092002	509	2	F	9-20-02 1220	1	1									
SB2015	MW8	G092002	509	2	F	9-20-02 1235	1	1									
SB2015	MW6	G092002	509	2	F	9-20-02 1242	1	1									
SB2015	MW4	G092002	509	2	F	9-20-02 1250	1	1									
SB2015	MW2	G092002	509	2	F	9-20-02 1305	1	1									
SB2015	MW9	G092002	509	2	F	9-20-02 1315	1	1									
SB2015	MW1	G092002	509	2	F	9-20-02 1325	1	1									
SB2015	FB1	W092002	509	2	F	9-20-02 1335	1	1									

RELINQUISHED BY: Mike Chardhal	DATE: 9-23-02 TIME: 14-45	RECEIVED BY: FEDEX	DATE: 9-23-02 TIME: 14-45
RELINQUISHED BY:	DATE: – – TIME: – –	RECEIVED BY:	DATE: – – TIME: – –
RELINQUISHED BY:	DATE: – – TIME: – –	RECEIVED FOR LAB BY: Whitaker	DATE: 9-24-02 TIME: 0-9-00
COOLER TEMPERATURE AS RECEIVED °C :	3 °C	DISTRIBUTION: WHITE --LAB USE (MUST BE RETURNED WITH REPORT); YELLOW --LAB USE; PINK --RETAINED BY HAI	

Deliver To: TEST AMERICA
Method of Delivery: FEDEX
Airbill Number:
NOTES:
TURN AROUND TIME: 14 DAYS

1000.300.0168.DWG 07/26/99 KMAC

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