

SAMPLE SUMMARY

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-38282-1	HER-SS1-070108	Solid	07/01/2008 1530	07/03/2008 0852
680-38282-2	HER-SS2-070108	Solid	07/01/2008 1545	07/03/2008 0852
680-38282-3	HER-SS3-070108	Solid	07/01/2008 1700	07/03/2008 0852

SAMPLE RESULTS

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1

Client Matrix: Solid

Date Sampled: 07/01/2008 1530

Date Received: 07/03/2008 0852

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-111100	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0869.d
Dilution:	20	Leachate Batch:	680-110884	Initial Weight/Volume:	5 mL
Date Analyzed:	07/09/2008 1803			Final Weight/Volume:	5 mL
Date Prepared:	07/09/2008 1803				
Date Leached:	07/07/2008 1515				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		1.3		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		0.19		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	87	75 - 121
Toluene-d8 (Surr)	102	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2

Date Sampled: 07/01/2008 1545

Client Matrix: Solid

Date Received: 07/03/2008 0852

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-111100	Instrument ID:	GC/MS Volatiles - A
Preparation:	5030B			Lab File ID:	a0863.d
Dilution:	20	Leachate Batch:	680-110884	Initial Weight/Volume:	5 mL
Date Analyzed:	07/09/2008 1606			Final Weight/Volume:	5 mL
Date Prepared:	07/09/2008 1606				
Date Leached:	07/07/2008 1515				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.21		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	75 - 120
Dibromofluoromethane	85	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Client Matrix: Solid

Date Sampled: 07/01/2008 1700

Date Received: 07/03/2008 0852

8260B Volatile Organic Compounds by GC/MS-TCLP

Method: 8260B

Analysis Batch: 680-111100

Instrument ID: GC/MS Volatiles - A

Preparation: 5030B

Lab File ID: a0864.d

Dilution: 20

Leachate Batch: 680-110884

Initial Weight/Volume: 5 mL

Date Analyzed: 07/09/2008 1626

Final Weight/Volume: 5 mL

Date Prepared: 07/09/2008 1626

Date Leached: 07/07/2008 1515

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		<0.020		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	89	75 - 121
Toluene-d8 (Surr)	108	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1

Client Matrix: Solid

Date Sampled: 07/01/2008 1530

Date Received: 07/03/2008 0852

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch: 680-111536	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch: 680-110963	Lab File ID:	g3223.d
Dilution:	1.0	Leachate Batch: 680-110821	Initial Weight/Volume:	200 mL
Date Analyzed:	07/12/2008 2133		Final Weight/Volume:	1 mL
Date Prepared:	07/09/2008 1404		Injection Volume:	1.0 uL
Date Leached:	07/07/2008 1400			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		<0.050		0.050
2,4-Dinitrotoluene		<0.050		0.050
Hexachloroethane		<0.050		0.050
Hexachlorobenzene		<0.050		0.050
Hexachlorobutadiene		<0.050		0.050
Methyl Phenols, Total		0.29		0.10
Nitrobenzene		<0.050		0.050
Pentachlorophenol		<0.25		0.25
Pyridine		<0.25		0.25
2,4,5-Trichlorophenol		<0.050		0.050
2,4,6-Trichlorophenol		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	76	40 - 139
2-Fluorobiphenyl	69	50 - 113
2-Fluorophenol	66	36 - 110
Nitrobenzene-d5	80	45 - 112
Phenol-d5	71	38 - 116
Terphenyl-d14	38	10 - 121

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2

Date Sampled: 07/01/2008 1545

Client Matrix: Solid

Date Received: 07/03/2008 0852

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch:	680-111536	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch:	680-110963	Lab File ID:	g3224.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	200 mL
Date Analyzed:	07/12/2008 2155			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2008 1404			Injection Volume:	1.0 uL
Date Leached:	07/07/2008 1400				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		<0.050		0.050
2,4-Dinitrotoluene		<0.050		0.050
Hexachloroethane		<0.050		0.050
Hexachlorobenzene		<0.050		0.050
Hexachlorobutadiene		<0.050		0.050
Methyl Phenols, Total		0.72		0.10
Nitrobenzene		<0.050		0.050
Pentachlorophenol		<0.25		0.25
Pyridine		<0.25		0.25
2,4,5-Trichlorophenol		<0.050		0.050
2,4,6-Trichlorophenol		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	71	40 - 139
2-Fluorobiphenyl	65	50 - 113
2-Fluorophenol	57	36 - 110
Nitrobenzene-d5	68	45 - 112
Phenol-d5	60	38 - 116
Terphenyl-d14	57	10 - 121

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Date Sampled: 07/01/2008 1700

Client Matrix: Solid

Date Received: 07/03/2008 0852

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)-TCLP

Method:	8270C	Analysis Batch:	680-111536	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3520C	Prep Batch:	680-110963	Lab File ID:	g3225.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	200 mL
Date Analyzed:	07/12/2008 2217			Final Weight/Volume:	1 mL
Date Prepared:	07/09/2008 1404			Injection Volume:	1.0 uL
Date Leached:	07/07/2008 1400				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		<0.050		0.050
2,4-Dinitrotoluene		<0.050		0.050
Hexachloroethane		<0.050		0.050
Hexachlorobenzene		<0.050		0.050
Hexachlorobutadiene		<0.050		0.050
Methyl Phenols, Total		0.18		0.10
Nitrobenzene		<0.050		0.050
Pentachlorophenol		<0.25		0.25
Pyridine		<0.25		0.25
2,4,5-Trichlorophenol		<0.050		0.050
2,4,6-Trichlorophenol		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	78	40 - 139
2-Fluorobiphenyl	69	50 - 113
2-Fluorophenol	60	36 - 110
Nitrobenzene-d5	66	45 - 112
Phenol-d5	67	38 - 116
Terphenyl-d14	44	10 - 121

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2

Client Matrix: Solid

Date Sampled: 07/01/2008 1545

Date Received: 07/03/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography-TCLP

Method:	8081A_8082	Analysis Batch:	680-111410	Instrument ID:	GC SemiVolatiles - M
Preparation:	3520C	Prep Batch:	680-110858	Lab File ID:	mg11029.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	20 mL
Date Analyzed:	07/11/2008 1942			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2008 1342			Injection Volume:	1.0 uL
Date Leached:	07/07/2008 1400			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Chlordane (technical)		<0.025		0.025
Endrin		<0.0050		0.0050
gamma-BHC (Lindane)		<0.0025		0.0025
Methoxychlor		<0.025		0.025
Heptachlor		<0.0025		0.0025
Heptachlor epoxide		<0.0025		0.0025
Toxaphene		<0.25		0.25
Surrogate	%Rec			Acceptance Limits
Tetrachloro-m-xylene	69			35 - 120
DCB Decachlorobiphenyl	95			14 - 115

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Date Sampled: 07/01/2008 1700

Client Matrix: Solid

Date Received: 07/03/2008 0852

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography-TCLP

Method:	8081A_8082	Analysis Batch:	680-111410	Instrument ID:	GC SemiVolatiles - M
Preparation:	3520C	Prep Batch:	680-110858	Lab File ID:	mg11030.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	20 mL
Date Analyzed:	07/11/2008 2001			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2008 1342			Injection Volume:	1.0 uL
Date Leached:	07/07/2008 1400			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Chlordane (technical)		<0.025		0.025
Endrin		<0.0050		0.0050
gamma-BHC (Lindane)		<0.0025		0.0025
Methoxychlor		<0.025		0.025
Heptachlor		<0.0025		0.0025
Heptachlor epoxide		<0.0025		0.0025
Toxaphene		<0.25		0.25

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	60	35 - 120
DCB Decachlorobiphenyl	53	14 - 115

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1

Date Sampled: 07/01/2008 1530

Client Matrix: Solid

Date Received: 07/03/2008 0852

8151A Chlorinated Herbicides by GC-TCLP

Method: 8151A

Analysis Batch: 680-111302

Instrument ID: GC SemiVolatiles - S

Preparation: 8151A

Prep Batch: 680-110848

Lab File ID: sf10048.d

Dilution: 1.0

Leachate Batch: 680-110821

Initial Weight/Volume: 10 mL

Date Analyzed: 07/11/2008 0239

Final Weight/Volume: 10 mL

Date Prepared: 07/08/2008 0822

Injection Volume: 1 uL

Date Leached: 07/07/2008 1400

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
2,4-D		<0.050		0.050
Silvex (2,4,5-TP)		<0.050		0.050

Surrogate	%Rec		Acceptance Limits
DCAA	49	X	61 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1

Date Sampled: 07/01/2008 1530

Client Matrix: Solid

Date Received: 07/03/2008 0852

8151A Chlorinated Herbicides by GC-TCLP

Method:	8151A	Analysis Batch:	680-111770	Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch:	680-111394	Lab File ID:	sg15016.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	10 mL
Date Analyzed:	07/15/2008 2137	Run Type:	RE	Final Weight/Volume:	10 mL
Date Prepared:	07/14/2008 0804			Injection Volume:	1 uL
Date Leached:	07/07/2008 1400			Column ID:	SECONDARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
2,4-D		<0.050		0.050
Silvex (2,4,5-TP)		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
DCAA	83	61 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2

Client Matrix: Solid

Date Sampled: 07/01/2008 1545

Date Received: 07/03/2008 0852

8151A Chlorinated Herbicides by GC-TCLP

Method:	8151A	Analysis Batch:	680-111302	Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch:	680-110848	Lab File ID:	sf10049.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	10 mL
Date Analyzed:	07/11/2008 0258			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2008 0822			Injection Volume:	1 µL
Date Leached:	07/07/2008 1400			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
2,4-D		<0.050		0.050
Silvex (2,4,5-TP)		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
DCAA	103	61 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Client Matrix: Solid

Date Sampled: 07/01/2008 1700

Date Received: 07/03/2008 0852

8151A Chlorinated Herbicides by GC-TCLP

Method:	8151A	Analysis Batch:	680-111302	Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch:	680-110848	Lab File ID:	sf10050.d
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	10 mL
Date Analyzed:	07/11/2008 0317			Final Weight/Volume:	10 mL
Date Prepared:	07/08/2008 0822			Injection Volume:	1 uL
Date Leached:	07/07/2008 1400			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
2,4-D		<0.050		0.050
Silvex (2,4,5-TP)		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
DCAA	98	61 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1
Client Matrix: SolidDate Sampled: 07/01/2008 1530
Date Received: 07/03/2008 0852**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP**

Method:	6010B	Analysis Batch: 680-111168	Instrument ID:	ICP/AES - D
Preparation:	3010A	Prep Batch: 680-110926	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-110821	Initial Weight/Volume:	5 mL
Date Analyzed:	07/09/2008 1958		Final Weight/Volume:	50 mL
Date Prepared:	07/08/2008 1634			
Date Leached:	07/07/2008 1400			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Arsenic		<0.20		0.20
Barium		<1.0		1.0
Cadmium		<0.10		0.10
Chromium		<0.20		0.20
Lead		<0.20		0.20
Selenium		<0.50		0.50
Silver		<0.10		0.10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method:	7470A	Analysis Batch: 680-111272	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-111082	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-110821	Initial Weight/Volume:	0.50 mL
Date Analyzed:	07/10/2008 1516		Final Weight/Volume:	50 mL
Date Prepared:	07/09/2008 1536			
Date Leached:	07/07/2008 1400			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Mercury		<0.020		0.020

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2
Client Matrix: SolidDate Sampled: 07/01/2008 1545
Date Received: 07/03/2008 0852**6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP**

Method:	6010B	Analysis Batch: 680-111168	Instrument ID:	ICP/AES - D
Preparation:	3010A	Prep Batch: 680-110926	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-110821	Initial Weight/Volume:	5 mL
Date Analyzed:	07/09/2008 2003		Final Weight/Volume:	50 mL
Date Prepared:	07/08/2008 1634			
Date Leached:	07/07/2008 1400			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Arsenic		<0.20		0.20
Barium		<1.0		1.0
Cadmium		<0.10		0.10
Chromium		<0.20		0.20
Lead		<0.20		0.20
Selenium		<0.50		0.50
Silver		<0.10		0.10

7470A Mercury In Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method:	7470A	Analysis Batch: 680-111272	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-111082	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-110821	Initial Weight/Volume:	0.50 mL
Date Analyzed:	07/10/2008 1519		Final Weight/Volume:	50 mL
Date Prepared:	07/09/2008 1536			
Date Leached:	07/07/2008 1400			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Mercury		<0.020		0.020

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Date Sampled: 07/01/2008 1700

Client Matrix: Solid

Date Received: 07/03/2008 0852

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch:	680-111168	Instrument ID:	ICP/AES - D
Preparation:	3010A	Prep Batch:	680-110926	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	5 mL
Date Analyzed:	07/09/2008 2008			Final Weight/Volume:	50 mL
Date Prepared:	07/08/2008 1634				
Date Leached:	07/07/2008 1400				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Arsenic		<0.20		0.20
Barium		<1.0		1.0
Cadmium		<0.10		0.10
Chromium		<0.20		0.20
Lead		<0.20		0.20
Selenium		<0.50		0.50
Silver		<0.10		0.10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method:	7470A	Analysis Batch:	680-111272	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch:	680-111082	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch:	680-110821	Initial Weight/Volume:	0.50 mL
Date Analyzed:	07/10/2008 1521			Final Weight/Volume:	50 mL
Date Prepared:	07/09/2008 1536				
Date Leached:	07/07/2008 1400				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Mercury		<0.020		0.020

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

General Chemistry

Client Sample ID: HER-SS1-070108

Lab Sample ID: 680-38282-1

Client Matrix: Solid

Date Sampled: 07/01/2008 1530

Date Received: 07/03/2008 0852

Analyte	Result	Qual	Units	Dil	Method
pH	5.59		SU	1.0	9045C
	Any Batch: 680-110751	Date Analyzed	07/06/2008 0403		DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	<97		mg/Kg	97	1.0	9014
	Any Batch: 680-110785	Date Analyzed	07/07/2008 1029			DryWt Corrected: N
	Prep Batch: 680-110783	Date Prepared:	07/07/2008 0800			
Sulfide, Reactive	<49		mg/Kg	49	1.0	9034
	Any Batch: 680-110791	Date Analyzed	07/07/2008 1108			DryWt Corrected: N
	Prep Batch: 680-110787	Date Prepared:	07/07/2008 0800			

Client Sample ID: HER-SS2-070108

Lab Sample ID: 680-38282-2

Client Matrix: Solid

Date Sampled: 07/01/2008 1545

Date Received: 07/03/2008 0852

Analyte	Result	Qual	Units	Dil	Method
pH	6.74		SU	1.0	9045C
	Any Batch: 680-110751	Date Analyzed	07/06/2008 0403		DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	<98		mg/Kg	98	1.0	9014
	Any Batch: 680-110785	Date Analyzed	07/07/2008 1029			DryWt Corrected: N
	Prep Batch: 680-110783	Date Prepared:	07/07/2008 0800			
Sulfide, Reactive	<49		mg/Kg	49	1.0	9034
	Any Batch: 680-110791	Date Analyzed	07/07/2008 1108			DryWt Corrected: N
	Prep Batch: 680-110787	Date Prepared:	07/07/2008 0800			

Analytical Data

Client: Hercules Inc.

Job Number: 680-38282-1

General Chemistry

Client Sample ID: HER-SS3-070108

Lab Sample ID: 680-38282-3

Date Sampled: 07/01/2008 1700

Client Matrix: Solid

Date Received: 07/03/2008 0852

Analyte	Result	Qual	Units	Dil	Method
pH	6.89		SU	1.0	9045C
	Any Batch: 680-110751	Date Analyzed	07/06/2008 0403		DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	<97		mg/Kg	97	1.0	9014
	Any Batch: 680-110785	Date Analyzed	07/07/2008 1029			DryWt Corrected: N
	Prep Batch: 680-110783	Date Prepared:	07/07/2008 0800			
Sulfide, Reactive	<48		mg/Kg	48	1.0	9034
	Any Batch: 680-110791	Date Analyzed	07/07/2008 1108			DryWt Corrected: N
	Prep Batch: 680-110787	Date Prepared:	07/07/2008 0800			

DATA REPORTING QUALIFIERS

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Section	Qualifier	Description
GC Semi VOA	X	Surrogate exceeds the control limits

QUALITY CONTROL RESULTS

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-38282-1	HER-SS1-070108	91	87	102
680-38282-2	HER-SS2-070108	92	85	104
680-38282-3	HER-SS3-070108	93	89	108
MB 680-111100/5		91	92	97
LB 680-110884/10-A		98	89	99
LCS 680-111100/3		101	106	104

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
680-38282-1	HER-SS1-070108	76	69	66	80	71	38
680-38282-2	HER-SS2-070108	71	65	57	68	60	57
680-38282-3	HER-SS3-070108	78	69	60	66	67	44
MB 680-110963/14-A		58	65	60	61	62	67
LCS 680-110963/15-A		69	69	56	65	64	68

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	40-139
FBP = 2-Fluorobiphenyl	50-113
2FP = 2-Fluorophenol	36-110
NBZ = Nitrobenzene-d5	45-112
PHL = Phenol-d5	38-116
TPH = Terphenyl-d14	10-121

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Surrogate Recovery Report

8081A 8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
680-38282-1	HER-SS1-070108	56	67
680-38282-2	HER-SS2-070108	69	95
680-38282-3	HER-SS3-070108	60	53
MB 680-110858/18-A		55	66
LB 680-110821/16-D		63	78
LCS 680-110858/19-A		68	41

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	35-120
DCB = DCB Decachlorobiphenyl	14-115

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Surrogate Recovery Report

8151A Chlorinated Herbicides by GC

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DCPA1 %Rec	DCPA2 %Rec
680-38282-1	HER-SS1-070108		49X
680-38282-1 RE	HER-SS1-070108 RE	83	
680-38282-2	HER-SS2-070108		103
680-38282-3	HER-SS3-070108		98
MB 680-110848/15-A		104	
MB 680-111394/12-A		115	
LB 680-110821/16-B		106	
LCS 680-110848/16-A			108
LCS 680-111394/13-A		122X	
680-38282-1 MS	HER-SS1-070108 MS	93	
680-38282-1 MSD	HER-SS1-070108 MSD	103	

Surrogate	Acceptance Limits
DCPA = DCAA	61-120

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Method Blank - Batch: 680-111100

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-111100/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2008 1359
Date Prepared: 07/09/2008 1359

Analysis Batch: 680-111100
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - A
Lab File ID: aq688.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chloroform	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,1-Dichloroethene	<0.0010		0.0010
2-Butanone (MEK)	<0.010		0.010
Tetrachloroethene	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	92	75 - 121
Toluene-d8 (Surr)	97	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

TCLP SPLPE Leachate Blank - Batch: 680-111100

Method: 8260B

Preparation: 5030B

TCLP

Lab Sample ID: LB 680-110884/10-A

Analysis Batch: 680-111100

Instrument ID: GC/MS Volatiles - A

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: a0858.d

Dilution: 20

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 07/09/2008 1429

Final Weight/Volume: 5 mL

Date Prepared: 07/09/2008 1429

Date Leached: 07/07/2008 1515

Leachate Batch: 680-110884

Analyte	Result	Qual	RL
Benzene	<0.020		0.020
Carbon tetrachloride	<0.020		0.020
Chlorobenzene	<0.020		0.020
Chloroform	<0.020		0.020
1,2-Dichloroethane	<0.020		0.020
1,1-Dichloroethene	<0.020		0.020
2-Butanone (MEK)	<0.20		0.20
Tetrachloroethene	<0.020		0.020
Trichloroethene	<0.020		0.020
Vinyl chloride	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	75 - 120
Dibromofluoromethane	89	75 - 121
Toluene-d8 (Surr)	99	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc

Job Number: 680-38282-1

Lab Control Spike - Batch: 680-111100

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-111100/3

Analysis Batch: 680-111100

Instrument ID: GC/MS Volatiles - A

Client Matrix: Water

Prep Batch: N/A

Lab File ID: aq686.d

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 07/09/2008 1321

Final Weight/Volume: 5 mL

Date Prepared: 07/09/2008 1321

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.0497	99	77 - 119	
Carbon tetrachloride	0.0500	0.0448	90	71 - 135	
Chlorobenzene	0.0500	0.0499	100	85 - 116	
Chloroform	0.0500	0.0526	105	82 - 120	
1,2-Dichloroethane	0.0500	0.0480	96	66 - 132	
1,1-Dichloroethene	0.0500	0.0552	110	62 - 141	
2-Butanone (MEK)	0.100	0.116	116	33 - 157	
Tetrachloroethene	0.0500	0.0546	109	76 - 126	
Trichloroethene	0.0500	0.0494	99	84 - 115	
Vinyl chloride	0.0500	0.0578	116	59 - 144	
Surrogate		% Rec		Acceptance Limits	
4-Bromofluorobenzene		101		75 - 120	
Dibromofluoromethane		106		75 - 121	
Toluene-d8 (Surr)		104		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Method Blank - Batch: 680-110963

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 680-110963/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2008 1729
Date Prepared: 07/09/2008 1404

Analysis Batch: 680-111536
Prep Batch: 680-110963
Units: mg/L

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g3212.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	RL
1,4-Dichlorobenzene	<0.010		0.010
2,4-Dinitrotoluene	<0.010		0.010
Hexachloroethane	<0.010		0.010
Hexachlorobenzene	<0.010		0.010
Hexachlorobutadiene	<0.010		0.010
Methyl Phenols, Total	<0.020		0.020
Nitrobenzene	<0.010		0.010
Pentachlorophenol	<0.050		0.050
Pyridine	<0.050		0.050
2,4,5-Trichlorophenol	<0.010		0.010
2,4,6-Trichlorophenol	<0.010		0.010

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	58	40 - 139
2-Fluorobiphenyl	65	50 - 113
2-Fluorophenol	60	36 - 110
Nitrobenzene-d5	61	45 - 112
Phenol-d5	62	38 - 116
Terphenyl-d14	67	10 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Control Spike - Batch: 680-110963

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 680-110963/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/12/2008 1751
Date Prepared: 07/09/2008 1404

Analysis Batch: 680-111536
Prep Batch: 680-110963
Units: mg/L

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g3213.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	0.100	0.0569	57	38 - 110	
2,4-Dinitrotoluene	0.100	0.0730	73	49 - 128	
Hexachloroethane	0.100	0.0607	61	33 - 110	
Hexachlorobenzene	0.100	0.0687	69	48 - 119	
Hexachlorobutadiene	0.100	0.0629	63	40 - 110	
Nitrobenzene	0.100	0.0626	63	46 - 110	
Pentachlorophenol	0.100	0.0617	62	37 - 132	
Pyridine	0.100	<0.050	43	10 - 110	
2,4,5-Trichlorophenol	0.100	0.0744	74	47 - 122	
2,4,6-Trichlorophenol	0.100	0.0716	72	46 - 120	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	69	40 - 139
2-Fluorobiphenyl	69	50 - 113
2-Fluorophenol	56	36 - 110
Nitrobenzene-d5	65	45 - 112
Phenol-d5	64	38 - 116
Terphenyl-d ¹⁴	68	10 - 121

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

TCLP SPLPE Leachate Blank - Batch: 680-110858

Method: 8081A_8082

Preparation: 3520C

TCLP

Lab Sample ID: LB 680-110821/16-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/11/2008 1726
Date Prepared: 07/08/2008 1342
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111410
Prep Batch: 680-110858
Units: mg/L

Leachate Batch: 680-110821

Instrument ID: GC SemiVolatiles - M
Lab File ID: mg11022 d
Initial Weight/Volume: 20 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Chlordane (technical)	<0.025		0.025
Endrin	<0.0050		0.0050
gamma-BHC (Lindane)	<0.0025		0.0025
Methoxychlor	<0.025		0.025
Heptachlor	<0.0025		0.0025
Heptachlor epoxide	<0.0025		0.0025
Toxaphene	<0.25		0.25
Surrogate	% Rec	Acceptance Limits	
Tetrachloro-m-xylene	63	35 - 120	
DCB Decachlorobiphenyl	78	14 - 115	

Method Blank - Batch: 680-110858

Method: 8081A_8082

Preparation: 3520C

Lab Sample ID: MB 680-110858/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2008 1746
Date Prepared: 07/08/2008 1342

Analysis Batch: 680-111410
Prep Batch: 680-110858
Units: mg/L

Instrument ID: GC SemiVolatiles - M
Lab File ID: mg11023 d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Chlordane (technical)	<0.00050		0.00050
Endrin	<0.00010		0.00010
gamma-BHC (Lindane)	<0.000050		0.000050
Methoxychlor	<0.00050		0.00050
Heptachlor	<0.000050		0.000050
Heptachlor epoxide	<0.000050		0.000050
Toxaphene	<0.0050		0.0050
Surrogate	% Rec	Acceptance Limits	
Tetrachloro-m-xylene	55	35 - 120	
DCB Decachlorobiphenyl	66	14 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Control Spike - Batch: 680-110858

Method: 8081A_8082

Preparation: 3520C

Lab Sample ID: LCS 680-110858/19-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 07/11/2008 1805

Date Prepared: 07/08/2008 1342

Analysis Batch: 680-111410

Prep Batch: 680-110858

Units: mg/L

Instrument ID: GC SemiVolatiles - M

Lab File ID: mg11024.d

Initial Weight/Volume: 1000 mL

Final Weight/Volume: 10 mL

Injection Volume: 1.0 uL

Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endrin	0.000203	0.000177	87	38 - 144	
gamma-BHC (Lindane)	0.000100	0.0000818	82	31 - 118	
Methoxychlor	0.000201	<0.00050	78	10 - 243	
Heptachlor	0.000100	0.0000824	82	30 - 133	
Heptachlor epoxide	0.000100	0.0000791	79	34 - 126	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		68		35 - 120	
DCB Decachlorobiphenyl		41		14 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

TCLP SPLPE Leachate Blank - Batch: 680-110848

Method: 8151A

Preparation: 8151A

TCLP

Lab Sample ID: LB 680-110821/16-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2008 2334
Date Prepared: 07/08/2008 0822
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111302
Prep Batch: 680-110848
Units: mg/L
Leachate Batch: 680-110821

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf10038.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
2,4-D	<0.050		0.050
Silvex (2,4,5-TP)	<0.050		0.050
Surrogate	% Rec		Acceptance Limits
DCAA	106		61 - 120

Method Blank - Batch: 680-110848

Method: 8151A

Preparation: 8151A

Lab Sample ID: MB 680-110848/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/10/2008 2352
Date Prepared: 07/08/2008 0822

Analysis Batch: 680-111302
Prep Batch: 680-110848
Units: mg/L

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf10039.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
2,4-D	<0.00050		0.00050
Silvex (2,4,5-TP)	<0.00050		0.00050
Surrogate	% Rec		Acceptance Limits
DCAA	104		61 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Control Spike - Batch: 680-110848

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 680-110848/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/11/2008 0011
Date Prepared: 07/08/2008 0822

Analysis Batch: 680-111302
Prep Batch: 680-110848
Units: mg/L

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf10040.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.00200	0.00226	113	61 - 127	
Silvex (2,4,5-TP)	0.00200	0.00175	87	55 - 110	
Surrogate	% Rec		Acceptance Limits		
DCAA	108		61 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Method Blank - Batch: 680-111394

Method: 8151A

Preparation: 8151A

Lab Sample ID: MB 680-111394/12-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2008 2100
Date Prepared: 07/14/2008 0804

Analysis Batch: 680-111770
Prep Batch: 680-111394
Units: mg/L

Instrument ID: GC SemiVolatiles - S
Lab File ID: sg15014.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
2,4-D	<0.00050		0.00050
Silvex (2,4,5-TP)	<0.00050		0.00050
Surrogate	% Rec	Acceptance Limits	
DCAA	115	61 - 120	

Lab Control Spike - Batch: 680-111394

Method: 8151A

Preparation: 8151A

Lab Sample ID: LCS 680-111394/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/15/2008 2119
Date Prepared: 07/14/2008 0804

Analysis Batch: 680-111770
Prep Batch: 680-111394
Units: mg/L

Instrument ID: GC SemiVolatiles - S
Lab File ID: sg15015.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	0.00200	0.00244	122	61 - 127	
Silvex (2,4,5-TP)	0.00200	0.00176	88	55 - 110	
Surrogate	% Rec	Acceptance Limits			
DCAA	122	X	61 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 680-111394

Method: 8151A
Preparation: 8151A
TCLP

MS Lab Sample ID: 680-38282-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/16/2008 0102
Date Prepared: 07/14/2008 0804
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111770
Prep Batch: 680-111394

Leachate Batch: 680-110821

Instrument ID: GC SemiVolatiles - S
Lab File ID: sg15027.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 680-38282-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/16/2008 0120
Date Prepared: 07/14/2008 0804
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111770
Prep Batch: 680-111394

Leachate Batch: 680-110821

Instrument ID: GC SemiVolatiles - S
Lab File ID: sg15028.d
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,4-D	104	112	61 - 127	8	40		
Silvex (2,4,5-TP)	77	86	55 - 110	12	40		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCAA	93		103	61 - 120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

TCLP SPLPE Leachate Blank - Batch: 680-110926

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 680-110821/16-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/09/2008 1857
Date Prepared: 07/08/2008 1634
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111168
Prep Batch: 680-110926
Units: mg/L

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Leachate Batch: 680-110821

Analyte	Result	Qual	RL
Arsenic	<0.20		0.20
Barium	<1.0		1.0
Cadmium	<0.10		0.10
Chromium	<0.20		0.20
Lead	<0.20		0.20
Selenium	<0.50		0.50
Silver	<0.10		0.10

Lab Control Spike - Batch: 680-110926

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 680-110926/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/09/2008 1902
Date Prepared: 07/08/2008 1634

Analysis Batch: 680-111168
Prep Batch: 680-110926
Units: mg/L

Instrument ID: ICP/AES - D
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	19.7	98	75 - 125	
Barium	20.0	21.7	108	75 - 125	
Cadmium	0.500	0.511	102	75 - 125	
Chromium	2.00	2.00	100	75 - 125	
Lead	5.00	5.03	101	75 - 125	
Selenium	20.0	20.4	102	75 - 125	
Silver	0.500	0.512	102	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

TCLP SPLPE Leachate Blank - Batch: 680-111082

Method: 7470A

Preparation: 7470A

TCLP

Lab Sample ID: LB 680-110821/16-F
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2008 1456
Date Prepared: 07/09/2008 1536
Date Leached: 07/07/2008 1400

Analysis Batch: 680-111272
Prep Batch: 680-111082
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Leachate Batch: 680-110821

Analyte	Result	Qual	RL
Mercury	<0.020		0.020

Lab Control Spike - Batch: 680-111082

Method: 7470A

Preparation: 7470A

Lab Sample ID: LCS 680-111082/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/10/2008 1458
Date Prepared: 07/09/2008 1536

Analysis Batch: 680-111272
Prep Batch: 680-111082
Units: mg/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.243	97	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Method Blank - Batch: 680-110783

Method: 9014
Preparation: 7.3.3

Lab Sample ID: MB 680-110783/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1029
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110785
Prep Batch: 680-110783
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL
Cyanide, Reactive	<100		100

Lab Control Spike - Batch: 680-110783

Method: 9014
Preparation: 7.3.3

Lab Sample ID: LCS 680-110783/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1029
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110785
Prep Batch: 680-110783
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	239	123	51	10 - 120	

Duplicate - Batch: 680-110783

Method: 9014
Preparation: 7.3.3

Lab Sample ID: 680-38282-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1029
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110785
Prep Batch: 680-110783
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.27 g
Final Weight/Volume: 250 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Reactive	<97	<97	NC	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Method Blank - Batch: 680-110787

Method: 9034
Preparation: 7.3.4

Lab Sample ID: MB 680-110787/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1108
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110791
Prep Batch: 680-110787
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL
Sulfide, Reactive	<50		50

Lab Control Spike - Batch: 680-110787

Method: 9034
Preparation: 7.3.4

Lab Sample ID: LCS 680-110787/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1108
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110791
Prep Batch: 680-110787
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	2660	1480	56	40 - 120	

Duplicate - Batch: 680-110787

Method: 9034
Preparation: 7.3.4

Lab Sample ID: 680-38282-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/07/2008 1108
Date Prepared: 07/07/2008 0800

Analysis Batch: 680-110791
Prep Batch: 680-110787
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.27 g
Final Weight/Volume: 250 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfide, Reactive	<48	<49	NC	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-38282-1

Lab Control Spike - Batch: 680-110751

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 680-110751/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/06/2008 0403
Date Prepared: N/A

Analysis Batch: 680-110751
Prep Batch: N/A
Units: SU

Instrument ID: GE pH Meter #2
Lab File ID: N/A
Initial Weight/Volume: 20.00 g
Final Weight/Volume: 20.00 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.00	7.080	101	63 - 158	

Duplicate - Batch: 680-110751

Method: 9045C
Preparation: N/A

Lab Sample ID: 680-38282-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/06/2008 0403
Date Prepared: N/A

Analysis Batch: 680-110751
Prep Batch: N/A
Units: SU

Instrument ID: GE pH Meter #2
Lab File ID: N/A
Initial Weight/Volume: 20.03 g
Final Weight/Volume: 20.00 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.89	6.870	0	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: Eco-Systems, Inc.

Job Number: 680-38282-1

Login Number: 38282

List Source: TestAmerica Savannah

Creator: Hall, Karl I

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	One cooler rec'd on ice.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

TestAmerica Savannah

ATTACHMENT D

ANALYTICAL RESULTS - JULY 30, 2008

Return Address:

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404



Ship To:

ECO-SYSTEMS, INC.
c/o: MR. CHARLES CONEY
6360 I-55 NORTH
SUITE 330
JACKSON, MS 39211

ANALYTICAL REPORT

Job Number: 680-39035-1

Job Description: HERC Hattiesburg SS1 TCLP VOC 7/30/08

For:

Hercules Inc.

Research Center - Bldg 8139/15

500 Hercules Road

Wilmington, DE 19808-1599

Attention: Mr. Timothy Hassett



Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

08/07/2008

cc: Mr. Charles Coney

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



METHOD SUMMARY

Client: Hercules Inc.

Job Number: 680-39035-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds by GC/MS	TAL SAV	SW846 8260B	
Toxicity Characteristic Leaching Procedure (ZHE)	TAL SAV		SW846 1311
Purge and Trap on Leachates	TAL SAV		SW846 5030B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Hercules Inc.

Job Number: 680-39035-1

Method	Analyst	Analyst ID
SW846 8260B	Lui, Chung	CL

SAMPLE SUMMARY

Client: Hercules Inc.

Job Number: 680-39035-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-39035-1	HER-SS1-073008	Solid	07/30/2008 1105	07/31/2008 0908

Analytical Data

Client: Hercules Inc.

Job Number: 680-39035-1

Client Sample ID: HER-SS1-073008

Lab Sample ID: 680-39035-1

Client Matrix: Solid

Date Sampled: 07/30/2008 1105

Date Received: 07/31/2008 0908

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-113740	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p1891.d
Dilution:	20	Leachate Batch:	680-113633	Initial Weight/Volume:	5 mL
Date Analyzed:	08/07/2008 1409			Final Weight/Volume:	5 mL
Date Prepared:	08/07/2008 1409				
Date Leached:	08/05/2008 1820				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.44		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		0.043		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	89	75 - 121
Toluene-d8 (Surr)	96	75 - 120

QUALITY CONTROL RESULTS

Client: Hercules Inc.

Job Number: 680-39035-1

Surrogate Recovery Report**8260B Volatile Organic Compounds by GC/MS****Client Matrix: Solid TCLP**

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-39035-1	HER-SS1-073008	91	89	96
MB 680-113740/6		88	93	95
LB 680-113633/14-A		92	92	96
LCS 680-113740/3		92	104	98
LCSD 680-113740/4		92	102	97

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Hercules Inc.

Job Number: 680-39035-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
MB 680-113739/6		91	92	97

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Hercules Inc.

Job Number: 680-39035-1

Method Blank - Batch: 680-113739

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-113739/6

Analysis Batch: 680-113739

Instrument ID: GC/MS Volatiles - P C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: pq814.d

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 08/07/2008 1202

Final Weight/Volume: 5 mL

Date Prepared: 08/07/2008 1202

Analyte	Result	Qual	RL
Benzene	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chloroform	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,1-Dichloroethene	<0.0010		0.0010
2-Butanone (MEK)	<0.010		0.010
Tetrachloroethene	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	91	75	120
Dibromofluoromethane	92	75	121
Toluene-d8 (Surr)	97	75	120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-39035-1

TCLP SPLPE Leachate Blank - Batch: 680-113739

Method: 8260B

Preparation: 5030B

TCLP

Lab Sample ID: LB 680-113633/14-A

Analysis Batch: 680-113739

Instrument ID: GC/MS Volatiles - P C2

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: p1886.d

Dilution: 20

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 08/07/2008 1254

Final Weight/Volume: 5 mL

Date Prepared: 08/07/2008 1254

Date Leached: 08/05/2008 1820

Leachate Batch: 680-113633

Analyte	Result	Qual	RL
Benzene	<0.020		0.020
Carbon tetrachloride	<0.020		0.020
Chlorobenzene	<0.020		0.020
Chloroform	<0.020		0.020
1,2-Dichloroethane	<0.020		0.020
1,1-Dichloroethene	<0.020		0.020
2-Butanone (MEK)	<0.20		0.20
Tetrachloroethene	<0.020		0.020
Trichloroethene	<0.020		0.020
Vinyl chloride	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	75 - 120
Dibromofluoromethane	92	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-39035-1

Method Blank - Batch: 680-113740

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-113740/6

Analysis Batch: 680-113740

Instrument ID: GC/MS Volatiles - P

Client Matrix: Water

Prep Batch: N/A

Lab File ID: pq815.d

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 08/07/2008 1217

Final Weight/Volume: 5 mL

Date Prepared: 08/07/2008 1217

Analyte	Result	Qual	RL
Benzene	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chloroform	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,1-Dichloroethene	<0.0010		0.0010
2-Butanone (MEK)	<0.010		0.010
Tetrachloroethene	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	75 - 120
Dibromofluoromethane	93	75 - 121
Toluene-d8 (Surr)	95	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-39035-1

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 680-113740

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 680-113740/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 0944
Date Prepared: 08/07/2008 0944

Analysis Batch: 680-113740
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq805.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-113740/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1014
Date Prepared: 08/07/2008 1014

Analysis Batch: 680-113740
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq807.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	96	93	77 - 119	3	30		
Carbon tetrachloride	114	112	71 - 135	2	30		
Chlorobenzene	97	95	85 - 116	2	30		
Chloroform	114	108	82 - 120	5	30		
1,2-Dichloroethane	94	91	66 - 132	3	30		
1,1-Dichloroethene	109	112	62 - 141	3	30		
2-Butanone (MEK)	90	85	33 - 157	5	30		
Tetrachloroethene	104	104	76 - 126	0	30		
Trichloroethene	101	98	84 - 115	3	30		
Vinyl chloride	104	98	59 - 144	7	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	92		92		75 - 120		
Dibromofluoromethane	104		102		75 - 121		
Toluene-d8 (Surr)	98		97		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 005570

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

[illegible]

Phone: _____
Fax: _____

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Login Sample Receipt Check List

Client: Eco-Systems, Inc.

Job Number: 680-39035-1

Login Number: 39035

List Source: TestAmerica Savannah

Creator: Hall, Karl I

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Serial Number 005570

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.	CLIENT FAX	COMPOSITE (C) OR GLAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY
CLIENT (SITE) PM	CLIENT PHONE	CLIENT E-MAIL	CLIENT FAX					DATE DUE
CLIENT NAME	CLIENT ADDRESS	CLIENT CITY	CLIENT STATE	CLIENT ZIP	CLIENT COUNTRY	CLIENT PHONE	CLIENT FAX	EXPEDITED REPORT DELIVERY (SURCHARGE)
Pro-Systems Inc.	6260 I 55 North	Suite 330	Jackson, MS					DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)								
SAMPLE		SAMPLE IDENTIFICATION		REMARKS				
DATE	TIME							
7/30/08	11:05	HER-SS1-073008						
RELINQUISHED BY: (SIGNATURE)								
DATE		TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	TIME	
7/30/08		11:45						
RECEIVED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME
Fed Ex		7/30/08		11:45				
RECEIVED FOR LABORATORY BY: (SIGNATURE)								
DATE		TIME	CUSTODY INTACT		CUSTODY SEAL NO.		SAVANNAH LOG NO.	
7/30/08		09:08	YES ☐ NO ☐				68039035	
LABORATORY USE ONLY								
LABORATORY REMARKS								

TEMP: 5.8

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Hercules Inc.		Collected: 07/30/08		11:05		Client		Sample Type: TCLP						
Location: HER-551-073008		Extracted: 08/06/08		17:10		MGJ		Analysis Method: 8260B						
File #: 0807416-01		Analyzed: 08/08/08		23:50		MGJ		Project Number: 807416						
		Date		Time		Analyst								
Compound Name	MDL ug/L (ppb)	Regulatory Limit (ppb)	SAMPLE			BLANK			MATRIX SPIKE			MATRIX SPIKE DUP		
			Detected Amount Limit (ppb)	Amount ug	% Recovery	Detected Amount Limit (ppb)	Amount ug	% Recovery	Detected Amount Limit (ppb)	Amount ng	% Recovery	Detected Amount Limit (ppb)	Amount ng	% Recovery
D029 1,1-Dichloroethane	108	700	ND			ND			48.6	250.0	97.1	55.1	250.0	110
D018 Benzene	64.0	500	526			ND			59.1	250.0	118	55.2	250.0	110
D040 Trichloroethene	84.0	500	ND			ND			54.3	250.0	109	48.2	250.0	96.3
D021 Chlorobenzene	66.0	100000	ND			ND			52.8	250.0	105	49.6	250.0	99.2
D043 Vinyl Chloride	76.0	200	ND			ND			ND			ND		
D035 2-Butanone (MEK)	1000	200000	ND			ND			ND			ND		
D022 Chloroform	70.0	6000	ND			ND			ND			ND		
D019 Carbon Tetrachloride	72.0	500	ND			ND			ND			ND		
D028 1,2-Dichloroethane	78.0	500	ND			ND			ND			ND		
D039 Tetrachloroethene	108	700	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4			46.4	250.0	92.8	49.0	250.0	98.0	48.6	250.0	97.2	46.9	250.0	93.8
Dibromofluoromethane			48.7	250.0	97.4	51.4	250.0	103	48.8	250.0	97.6	48.8	250.0	97.6
Toluene-d8			49.0	250.0	98.0	49.5	250.0	99.0	48.9	250.0	97.8	48.4	250.0	96.8
4-Bromofluorobenzene			45.5	250.0	91.0	48.6	250.0	97.3	47.7	250.0	95.4	47.1	250.0	94.2

Certified by:



Michael S. Bonner, Ph. D.

Bonner Analytical Testing Company

ATTACHMENT E

ANALYTICAL RESULTS - SEPTEMBER 4, 2008

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

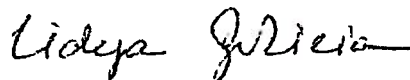
ECO-SYSTEMS, INC.
c/o: MR. CHARLES CONEY
6360 I-55 NORTH
SUITE 330
JACKSON, MS 39211

ANALYTICAL REPORT

Job Number: 680-40137-1

Job Description: HERC Hattiesburg Soils TCLP/VOC 9/4/08

For:
Hercules Inc.
Research Center - Bldg 8139/15
500 Hercules Road
Wilmington, DE 19808-1599
Attention: Mr. Timothy Hassett



Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
09/16/2008

cc: Mr. Charles Coney

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

METHOD SUMMARY

Client: Hercules Inc.

Job Number: 680-40137-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL SAV	SW846 8260B	
TCLP for Volatiles by Zero-Headspace Extraction (ZHE)	TAL SAV		SW846 1311
Purge and Trap on Leachates	TAL SAV		SW846 5030B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Hercules Inc.

Job Number: 680-40137-1

Method	Analyst	Analyst ID
SW846 8260B	Lui, Chung	CL

SAMPLE SUMMARY

Client: Hercules Inc.

Job Number: 680-40137-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-40137-1	HER-SS5-090408	Solid	09/04/2008 1253	09/05/2008 0900
680-40137-2	HER-SS6-090408	Solid	09/04/2008 1300	09/05/2008 0900
680-40137-3	HER-SS7-090408	Solid	09/04/2008 1315	09/05/2008 0900
680-40137-4	HER-SS8-090408	Solid	09/04/2008 1325	09/05/2008 0900
680-40137-5	HER-SS9-090408	Solid	09/04/2008 1335	09/05/2008 0900
680-40137-6	HER-SS10-090408	Solid	09/04/2008 1348	09/05/2008 0900



SAMPLE RESULTS

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS5-090408

Lab Sample ID: 680-40137-1

Date Sampled: 09/04/2008 1253

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method: 8260B

Analysis Batch: 680-117245

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0014.d

Dilution: 20

Leachate Batch: 680-116608

Initial Weight/Volume: 5 mL

Date Analyzed: 09/12/2008 1832

Final Weight/Volume: 5 mL

Date Prepared: 09/12/2008 1832

Date Leached: 09/08/2008 1610

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		5.5	E	0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS5-090408

Lab Sample ID: 680-40137-1

Client Matrix: Solid

Date Sampled: 09/04/2008 1253

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-117287	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0067.d
Dilution:	50	Leachate Batch:	680-116608	Initial Weight/Volume:	5 mL
Date Analyzed:	09/15/2008 1809	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	09/15/2008 1809				
Date Leached:	09/08/2008 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		5.5	D	0.050
Carbon tetrachloride		<0.050		0.050
Chlorobenzene		<0.050		0.050
Chloroform		<0.050		0.050
1,2-Dichloroethane		<0.050		0.050
1,1-Dichloroethene		<0.050		0.050
2-Butanone (MEK)		<0.50		0.50
Tetrachloroethene		<0.050		0.050
Trichloroethene		<0.050		0.050
Vinyl chloride		<0.050		0.050

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	75 - 120
Dibromofluoromethane	96	75 - 121
Toluene-d8 (Surr)	98	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS6-090408

Lab Sample ID: 680-40137-2

Date Sampled: 09/04/2008 1300

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-117245	Instrument ID:	GC/MS Volatiles - P C2
Preparation:	5030B			Lab File ID:	p0016.d
Dilution:	20	Leachate Batch:	680-116608	Initial Weight/Volume:	5 mL
Date Analyzed:	09/12/2008 1901			Final Weight/Volume:	5 mL
Date Prepared:	09/12/2008 1901				
Date Leached:	09/08/2008 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		3.2		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS7-090408

Lab Sample ID: 680-40137-3

Date Sampled: 09/04/2008 1315

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method: 8260B

Analysis Batch: 680-117245

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0018.d

Dilution: 20

Leachate Batch: 680-116608

Initial Weight/Volume: 5 mL

Date Analyzed: 09/12/2008 1931

Final Weight/Volume: 5 mL

Date Prepared: 09/12/2008 1931

Date Leached: 09/08/2008 1610

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.40		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS8-090408

Lab Sample ID: 680-40137-4

Date Sampled: 09/04/2008 1325

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method:	8260B	Analysis Batch:	680-117245	Instrument ID:	GC/MS Volatiles - P C2
Preparation:	5030B			Lab File ID:	p0020.d
Dilution:	20	Leachate Batch:	680-116608	Initial Weight/Volume:	5 mL
Date Analyzed:	09/12/2008 2000			Final Weight/Volume:	5 mL
Date Prepared:	09/12/2008 2000				
Date Leached:	09/08/2008 1610				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		3.2		0.020
Carbon tetrachloride		0.14		0.020
Chlorobenzene		<0.020		0.020
Chloroform		2.6		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	103	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS9-090408

Lab Sample ID: 680-40137-5

Date Sampled: 09/04/2008 1335

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method: 8260B

Analysis Batch: 680-117245

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0022.d

Dilution: 20

Leachate Batch: 680-116608

Initial Weight/Volume: 5 mL

Date Analyzed: 09/12/2008 2030

Final Weight/Volume: 5 mL

Date Prepared: 09/12/2008 2030

Date Leached: 09/08/2008 1610

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.043		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-40137-1

Client Sample ID: HER-SS10-090408

Lab Sample ID: 680-40137-6

Date Sampled: 09/04/2008 1348

Client Matrix: Solid

Date Received: 09/05/2008 0900

8260B Volatile Organic Compounds by GC/MS-TCLP

Method: 8260B

Analysis Batch: 680-117245

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0024.d

Dilution: 20

Leachate Batch: 680-116608

Initial Weight/Volume: 5 mL

Date Analyzed: 09/12/2008 2059

Final Weight/Volume: 5 mL

Date Prepared: 09/12/2008 2059

Date Leached: 09/08/2008 1610

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.062		0.020
Carbon tetrachloride		<0.020		0.020
Chlorobenzene		<0.020		0.020
Chloroform		<0.020		0.020
1,2-Dichloroethane		<0.020		0.020
1,1-Dichloroethene		<0.020		0.020
2-Butanone (MEK)		<0.20		0.20
Tetrachloroethene		<0.020		0.020
Trichloroethene		<0.020		0.020
Vinyl chloride		<0.020		0.020

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	92	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	101	75 - 120

DATA REPORTING QUALIFIERS

Client: Hercules Inc.

Job Number: 680-40137-1

Lab Section	Qualifier	Description
GC/MS VOA		
	E	Result exceeded calibration range, secondary dilution required.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-40137-1 DL	HER-SS5-090408 DL	90	96	98
680-40137-1	HER-SS5-090408	94	104	100
680-40137-2	HER-SS6-090408	93	103	100
680-40137-3	HER-SS7-090408	95	103	100
680-40137-4	HER-SS8-090408	95	103	103
680-40137-5	HER-SS9-090408	94	104	100
680-40137-6	HER-SS10-090408	92	103	101
MB 680-117245/10		93	104	99
MB 680-117287/12		91	97	96
LB 680-116608/10-A		94	106	101
LCS 680-117245/7		90	101	99
LCS 680-117287/9		91	98	96
LCSD 680-117245/8		96	103	101
LCSD 680-117287/10		89	93	94

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

Method Blank - Batch: 680-117245

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-117245/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2008 1505
Date Prepared: 09/12/2008 1505

Analysis Batch: 680-117245
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq116 d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chloroform	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,1-Dichloroethene	<0.0010		0.0010
2-Butanone (MEK)	<0.010		0.010
Tetrachloroethene	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	99	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

TCLP SPLPE Leachate Blank - Batch: 680-117245

Method: 8260B

Preparation: 5030B

TCLP

Lab Sample ID: LB 680-116608/10-A

Analysis Batch: 680-117245

Instrument ID: GC/MS Volatiles - P C2

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: p0002.d

Dilution: 20

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/12/2008 1534

Final Weight/Volume: 5 mL

Date Prepared: 09/12/2008 1534

Date Leached: 09/08/2008 1610

Leachate Batch: 680-116608

Analyte	Result	Qual	RL
Benzene	<0.020		0.020
Carbon tetrachloride	<0.020		0.020
Chlorobenzene	<0.020		0.020
Chloroform	<0.020		0.020
1,2-Dichloroethane	<0.020		0.020
1,1-Dichloroethene	<0.020		0.020
2-Butanone (MEK)	<0.20		0.20
Tetrachloroethene	<0.020		0.020
Trichloroethene	<0.020		0.020
Vinyl chloride	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	106	75 - 121
Toluene-d8 (Surr)	101	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 680-117245

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 680-117245/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2008 1302
Date Prepared: 09/12/2008 1302

Analysis Batch: 680-117245
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq108.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-117245/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/12/2008 1332
Date Prepared: 09/12/2008 1332

Analysis Batch: 680-117245
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq110.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	97	99	77 - 119	3	30		
Carbon tetrachloride	108	109	71 - 135	0	30		
Chlorobenzene	99	102	85 - 116	3	30		
Chloroform	102	107	82 - 120	4	30		
1,2-Dichloroethane	98	103	66 - 132	6	30		
1,1-Dichloroethene	88	87	62 - 141	1	30		
2-Butanone (MEK)	117	128	33 - 157	9	30		
Tetrachloroethene	94	97	76 - 126	3	30		
Trichloroethene	98	99	84 - 115	1	30		
Vinyl chloride	105	104	59 - 144	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	90		96		75 - 120		
Dibromofluoromethane	101		103		75 - 121		
Toluene-d8 (Surr)	99		101		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

Method Blank - Batch: 680-117287

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-117287/12

Analysis Batch: 680-117287

Instrument ID: GC/MS Volatiles - P

Client Matrix: Water

Prep Batch: N/A

Lab File ID: pq129.d

Dilution: 1.0

Units: mg/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/15/2008 1208

Final Weight/Volume: 5 mL

Date Prepared: 09/15/2008 1208

Analyte	Result	Qual	RL
Benzene	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chloroform	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,1-Dichloroethene	<0.0010		0.0010
2-Butanone (MEK)	<0.010		0.010
Tetrachloroethene	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	97	75 - 121
Toluene-d8 (Surr)	96	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-40137-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-117287**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-117287/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/15/2008 1004
Date Prepared: 09/15/2008 1004

Analysis Batch: 680-117287
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq121.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-117287/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/15/2008 1040
Date Prepared: 09/15/2008 1040

Analysis Batch: 680-117287
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq123.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	92	77 - 119	3	30		
Carbon tetrachloride	106	106	71 - 135	0	30		
Chlorobenzene	98	96	85 - 116	1	30		
Chloroform	105	98	82 - 120	6	30		
1,2-Dichloroethane	94	90	66 - 132	5	30		
1,1-Dichloroethene	84	84	62 - 141	0	30		
2-Butanone (MEK)	113	103	33 - 157	9	30		
Tetrachloroethene	95	95	76 - 126	0	30		
Trichloroethene	94	95	84 - 115	1	30		
Vinyl chloride	112	109	59 - 144	3	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	91		89		75 - 120		
Dibromofluoromethane	98		93		75 - 121		
Toluene-d8 (Surr)	96		94		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number 005571

THE LEADER IN ENVIRONMENTAL TESTING

☒ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)		MATRIX TYPE		REQUIRED ANALYSIS				PAGE	OF					
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.								STANDARD REPORT DELIVERY						
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX									DATE DUE						
CLIENT NAME	CLIENT E-MAIL											EXPEDITED REPORT DELIVERY (SURCHARGE)					
CLIENT ADDRESS												DATE DUE					
COMPANY CONTRACTING THIS WORK (if applicable)												NUMBER OF COOLERS SUBMITTED PER SHIPMENT					
SAMPLE		SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE		AQUEOUS (WATER)		SOLID OR SEMISOLID		AIR		NONAQUEOUS LIQUID (OIL, SOLVENT, ...)		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
DATE	TIME																
9/21/08	1253	HER-555-090408		G		✓		✓		✓		✓		1			
	1300	HER-556-090408		G		✓		✓		✓		✓		1			
	1315	HER-557-090408		G		✓		✓		✓		✓		1			
	1325	HER-558-090408		G		✓		✓		✓		✓		1			
	1335	HER-559-090408		G		✓		✓		✓		✓		1			
	1348	HER-5510-090408		G		✓		✓		✓		✓		1			
TEMP. 3.0																	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME		
John Parn		9/21/08	11:00														
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME		
Fed Ex		9/21/08															
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT		YES	NO	CUSTODY SEAL NO.		SAVANNAH LOG NO.	LABORATORY REMARKS						
John Parn		9/21/08	0900	YES		○	○	68040157									

Login Sample Receipt Check List

Client: Hercules Inc.

Job Number: 680-40137-1

Login Number: 40137

List Source: TestAmerica Savannah

Creator: Hall, Karl I

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

TestAmerica Savannah

Serial Number 505571

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Phone: _____
Fax: _____

○ Alternate Laboratory Name/Location

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE		PROJECT NO.		PROJECT LOCATION (STATE)		MATRIX TYPE		REQUIRED ANALYSIS										PAGE		OF	
TAL (LAB) PROJECT MANAGER		P.O. NUMBER		CONTRACT NO.		CLIENT PHONE		CLIENT FAX		CLIENT E-MAIL		CLIENT NAME		CLIENT ADDRESS		COMPANY CONTRACTING THIS WORK (if applicable)					
Herules		1253		MS		✓		✓		✓		✓		✓		✓					
1300		1315		1325		1335		1345													
1355		1365		1375		1385		1395													
1405		1415		1425		1435		1445													
1455		1465		1475		1485		1495													
1505		1515		1525		1535		1545													
1555		1565		1575		1585		1595													
1605		1615		1625		1635		1645													
1655		1665		1675		1685		1695													
1705		1715		1725		1735		1745													
1755		1765		1775		1785		1795													
1805		1815		1825		1835		1845													
1855		1865		1875		1885		1895													
1905		1915		1925		1935		1945													
1955		1965		1975		1985		1995													
2005		2015		2025		2035		2045													
2055		2065		2075		2085		2095													
2105		2115		2125		2135		2145													
2155		2165		2175		2185		2195													
2205		2215		2225		2235		2245													
2255		2265		2275		2285		2295													
2305		2315		2325		2335		2345													
2355		2365		2375		2385		2395													
2405		2415		2425		2435		2445													
2455		2465		2475		2485		2495													
2505		2515		2525		2535		2545													
2555		2565		2575		2585		2595													
2605		2615		2625		2635		2645													
2655		2665		2675		2685		2695													
2705		2715		2725		2735		2745													
2755		2765		2775		2785		2795													
2805		2815		2825		2835		2845													
2855		2865		2875		2885		2895													
2905		2915		2925		2935		2945													
2955		2965		2975		2985		2995													
3005		3015		3025		3035		3045													
3055		3065		3075		3085		3095													
3105		311																			

RECEIVED FOR LABORATORY BY: <i>[Signature]</i>		LABORATORY USE ONLY	
DATE	TIME	CUSTODY INTACT YES ☐ NO ☐	CUSTODY SEAL NO.
090508	1900		
		SAVANNAH LOG NO.	LABORATORY REMARKS
		68040137	

ATTACHMENT F

ANALYTICAL RESULTS - BACKFILL SAMPLES