Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31689	Date Analyzed:	2006-11-08	Analyzed By:	KB
Prep Batch:	27605	Sample Preparation:	2006-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.936	mg/Kg	1	1.00	94	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.938	mg/Kg	1	1.00	94	21.8 - 188

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31689	Date Analyzed:	2006-11-08	Analyzed By:	KB
Prep Batch:	27605	Sample Preparation:	2006-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.977	mg/Kg	1	1.00	98	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.999	mg/Kg	1	1.00	100	21.8 - 188

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31689	Date Analyzed:	2006-11-08	Analyzed By:	KB
Prep Batch:	27605	Sample Preparation:	2006-11-08	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.852	mg/Kg	1	1.00	85	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.871	mg/Kg	1	1.00	87	21.8 - 188

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.896	mg/Kg	1	1.00	90	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.935	mg/Kg	1	1.00	94	21.8 - 188

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.910	mg/Kg	1	1.00	91	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.952	mg/Kg	1	1.00	95	21.8 - 188

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	1	1.00	97	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.974	mg/Kg	1	1.00	97	21.8 - 188

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.924	mg/Kg	1	1.00	92	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.964	mg/Kg	1	1.00	96	21.8 - 188

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.985	mg/Kg	1	1.00	98	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.979	mg/Kg	1	1.00	98	21.8 - 188

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	21.8 - 188

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis: TPH GRO
QC Batch: 31689
Prep Batch: 27605

Analytical Method: S 8015B
Date Analyzed: 2006-11-08
Sample Preparation: 2006-11-08

Prep Method: S 5035
Analyzed By: KB
Prepared By: KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.853	mg/Kg	1	1.00	85	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.845	mg/Kg	1	1.00	84	21.8 - 188

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis: TPH GRO
QC Batch: 31809
Prep Batch: 27702

Analytical Method: S 8015B
Date Analyzed: 2006-11-10
Sample Preparation: 2006-11-10

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.917	mg/Kg	1	1.00	92	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.978	mg/Kg	1	1.00	98	21.8 - 188

Method Blank (1) QC Batch: 31689

QC Batch: 31689
Prep Batch: 27605

Date Analyzed: 2006-11-08
QC Preparation: 2006-11-08

Analyzed By: KB
Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		2.52	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	1	1.00	108	75.4 - 125
4-Bromofluorobenzene (4-BFB)		0.988	mg/Kg	1	1.00	99	60.8 - 113

Method Blank (1) QC Batch: 31809

QC Batch: 31809
Prep Batch: 27702

Date Analyzed: 2006-11-10
QC Preparation: 2006-11-10

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		2.39	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	75.4 - 125
4-Bromofluorobenzene (4-BFB)		0.956	mg/Kg	1	1.00	96	60.8 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 31689 Date Analyzed: 2006-11-08 Analyzed By: KB
Prep Batch: 27605 QC Preparation: 2006-11-08 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.0	mg/Kg	1	10.0	<0.121	100	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.7	mg/Kg	1	10.0	<0.121	107	79.4 - 114	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.967	1.06	mg/Kg	1	1.00	97	106	75.6 - 120
4-Bromofluorobenzene (4-BFB)	1.05	1.09	mg/Kg	1	1.00	105	109	77.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 31809 Date Analyzed: 2006-11-10 Analyzed By: MT
Prep Batch: 27702 QC Preparation: 2006-11-10 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.2	mg/Kg	1	10.0	<0.121	102	79.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.4	mg/Kg	1	10.0	<0.121	104	79.4 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.989	0.966	mg/Kg	1	1.00	99	97	75.6 - 120
4-Bromofluorobenzene (4-BFB)	1.05	1.02	mg/Kg	1	1.00	105	102	77.4 - 117

Matrix Spike (MS-1) Spiked Sample: 108180

QC Batch: 31689 Date Analyzed: 2006-11-08 Analyzed By: KB
Prep Batch: 27605 QC Preparation: 2006-11-08 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.90	mg/Kg	1	10.0	<0.121	99	36.4 - 166

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.87	mg/Kg	1	10.0	<0.121	89	36.4 - 166	11	19.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.905	0.813	mg/Kg	1	1	90	81	39.2 - 148
4-Bromofluorobenzene (4-BFB)	1.12	0.972	mg/Kg	1	1	112	97	62.8 - 153

Matrix Spike (MS-1) Spiked Sample: 108201

QC Batch: 31809 Date Analyzed: 2006-11-10 Analyzed By: MT
Prep Batch: 27702 QC Preparation: 2006-11-10 Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	5.29	mg/Kg	1	10.0	<0.121	53	36.4 - 166

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.58	mg/Kg	1	10.0	<0.121	86	36.4 - 166	47	19.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.601	0.883	mg/Kg	1	1	60	88	39.2 - 148
4-Bromofluorobenzene (4-BFB)	0.706	1.05	mg/Kg	1	1	71	105	62.8 - 153

Standard (ICV-1)

QC Batch: 31689 Date Analyzed: 2006-11-08 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.08	108	85 - 115	2006-11-08

Standard (CCV-1)

QC Batch: 31689 Date Analyzed: 2006-11-08 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.964	96	85 - 115	2006-11-08

Standard (ICV-1)

QC Batch: 31809 Date Analyzed: 2006-11-10 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.05	105	85 - 115	2006-11-10

Standard (CCV-1)

QC Batch: 31809 Date Analyzed: 2006-11-10 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.00	100	85 - 115	2006-11-10

Analytical and Quality Control Report

William Little
WTS
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Project Number: 7

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108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32238	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**2.08**	mg/Kg	1	0.500

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**980**	mg/Kg	1	0.500

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32238	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**84.1**	mg/Kg	1	2.00

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	31924	Date Analyzed:	2006-11-15	Analyzed By:	TP
Prep Batch:	27779	Sample Preparation:	2006-11-14	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32238	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**22.3**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**3.81**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**2.92**	mg/Kg	1	1.00

continued . . .

sample 108191 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32238	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**5.52**	mg/Kg	1	2.00

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**6.09**	mg/Kg	1	0.500

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**735**	mg/Kg	1	0.500

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**166**	mg/Kg	1	2.00

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**472**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**8.38**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**20.2**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**17.9**	mg/Kg	1	2.00

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**7.31**	mg/Kg	1	0.500

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**960**	mg/Kg	1	0.500

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**328**	mg/Kg	1	2.00

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**101**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**9.15**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**17.8**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**30.5**	mg/Kg	1	2.00

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**11.7**	mg/Kg	1	0.500

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**1170**	mg/Kg	1	0.500

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**278**	mg/Kg	1	2.00

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		**6.59**	mg/Kg	1	2.00
Total Barium		**300**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**11.5**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**22.5**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**36.5**	mg/Kg	1	2.00

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**13.1**	mg/Kg	1	0.500

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**7100**	mg/Kg	1	0.500

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**310**	mg/Kg	1	2.00

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**121**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**15.6**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**30.1**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis: Zn, Total
QC Batch: 32239
Prep Batch: 27843

Analytical Method: S 6010B
Date Analyzed: 2006-11-27
Sample Preparation: 2006-11-16

Prep Method: S 3050B
Analyzed By: RR
Prepared By: TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**47.3**	mg/Kg	1	2.00

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis: Cu, Total
QC Batch: 32239
Prep Batch: 27843

Analytical Method: S 6010B
Date Analyzed: 2006-11-27
Sample Preparation: 2006-11-16

Prep Method: S 3050B
Analyzed By: RR
Prepared By: TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**9.10**	mg/Kg	1	0.500

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis: Na, Total
QC Batch: 32261
Prep Batch: 27843

Analytical Method: S 6010B
Date Analyzed: 2006-11-27
Sample Preparation: 2006-11-16

Prep Method: S 3050B
Analyzed By: RR
Prepared By: TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**7590**	mg/Kg	1	0.500

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis: P, Total
QC Batch: 32239
Prep Batch: 27843

Analytical Method: S 6010B
Date Analyzed: 2006-11-27
Sample Preparation: 2006-11-16

Prep Method: S 3050B
Analyzed By: RR
Prepared By: TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**280**	mg/Kg	1	2.00

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis: Total 8 Metals
QC Batch: 32012
Prep Batch: 27889

Analytical Method: S 7471A
Date Analyzed: 2006-11-17
Sample Preparation: 2006-11-16

Prep Method: N/A
Analyzed By: TP
Prepared By: TP

Analysis: Total 8 Metals
QC Batch: 32239
Prep Batch: 27843

Analytical Method: S 6010B
Date Analyzed: 2006-11-27
Sample Preparation: 2006-11-16

Prep Method: S 3050B
Analyzed By: RR
Prepared By: TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**113**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**8.49**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**20.9**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**30.1**	mg/Kg	1	2.00

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**1.63**	mg/Kg	1	0.500

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**655**	mg/Kg	1	0.500

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**34.9**	mg/Kg	1	2.00

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**27.2**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**2.05**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**3.73**	mg/Kg	1	2.00

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**11.7**	mg/Kg	1	0.500

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**1290**	mg/Kg	1	0.500

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**250**	mg/Kg	1	2.00

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		**4.05**	mg/Kg	1	2.00
Total Barium		**173**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**15.1**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**31.8**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**40.2**	mg/Kg	1	2.00

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**4.03**	mg/Kg	1	0.500

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**633**	mg/Kg	1	0.500

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**154**	mg/Kg	1	2.00

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**59.0**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**4.95**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**11.2**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**13.3**	mg/Kg	1	2.00

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**5.73**	mg/Kg	1	0.500

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**1190**	mg/Kg	1	0.500

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**260**	mg/Kg	1	2.00

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32012	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**56.6**	mg/Kg	1	1.00

continued . . .

sample 108200 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**7.40**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**13.9**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**21.6**	mg/Kg	1	2.00

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**11.6**	mg/Kg	1	0.500

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32261	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**10200**	mg/Kg	1	0.500

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**285**	mg/Kg	1	2.00

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32013	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27889	Sample Preparation:	2006-11-16	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**90.9**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**11.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**20.9**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32239	Date Analyzed:	2006-11-27	Analyzed By:	RR
Prep Batch:	27843	Sample Preparation:	2006-11-16	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**39.0**	mg/Kg	1	2.00

Method Blank (1) QC Batch: 31924

QC Batch:	31924	Date Analyzed:	2006-11-15	Analyzed By:	TP
Prep Batch:	27779	QC Preparation:	2006-11-14	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00299	mg/Kg	0.04

Method Blank (1) QC Batch: 32012

QC Batch: 32012
Prep Batch: 27889
Date Analyzed: 2006-11-17
QC Preparation: 2006-11-16
Analyzed By: TP
Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00299	mg/Kg	0.04

Method Blank (1) QC Batch: 32013

QC Batch: 32013
Prep Batch: 27889
Date Analyzed: 2006-11-17
QC Preparation: 2006-11-16
Analyzed By: TP
Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00299	mg/Kg	0.04

Method Blank (1) QC Batch: 32238

QC Batch: 32238
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.0268	mg/Kg	0.5

Method Blank (1) QC Batch: 32238

QC Batch: 32238
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		3.41	mg/Kg	2

Method Blank (1) QC Batch: 32238

QC Batch: 32238
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		0.340	mg/Kg	2

Method Blank (1) QC Batch: 32238

QC Batch: 32238
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00444	mg/Kg	0.05
Total Arsenic		<0.228	mg/Kg	2
Total Barium		<0.0601	mg/Kg	1
Total Cadmium		<0.00794	mg/Kg	0.1
Total Chromium		<0.0125	mg/Kg	0.5
Total Lead		<0.367	mg/Kg	1
Total Selenium		<0.0767	mg/Kg	1

Method Blank (1) QC Batch: 32239

QC Batch: 32239
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.0268	mg/Kg	0.5

Method Blank (1) QC Batch: 32239

QC Batch: 32239
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		3.41	mg/Kg	2

Method Blank (1) QC Batch: 32239

QC Batch: 32239
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		0.340	mg/Kg	2

Method Blank (1) QC Batch: 32239

QC Batch: 32239
Prep Batch: 27843
Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00444	mg/Kg	0.05
Total Arsenic		<0.228	mg/Kg	2
Total Barium		<0.0601	mg/Kg	1
Total Cadmium		<0.00794	mg/Kg	0.1
Total Chromium		<0.0125	mg/Kg	0.5
Total Lead		<0.367	mg/Kg	1
Total Selenium		<0.0767	mg/Kg	1

Method Blank (1) QC Batch: 32261

QC Batch: 32261
Prep Batch: 27843

Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16

Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.388	mg/Kg	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 31924
Prep Batch: 27779

Date Analyzed: 2006-11-15
QC Preparation: 2006-11-14

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.489	mg/Kg	1	0.500	<0.00299	98	85.2 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.501	mg/Kg	1	0.500	<0.00299	100	85.2 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32012
Prep Batch: 27889

Date Analyzed: 2006-11-17
QC Preparation: 2006-11-16

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.523	mg/Kg	1	0.500	<0.00299	105	85.2 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.529	mg/Kg	1	0.500	<0.00299	106	85.2 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32013 | Date Analyzed: 2006-11-17 | Analyzed By: TP
Prep Batch: 27889 | QC Preparation: 2006-11-16 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.523	mg/Kg	1	0.500	<0.00299	105	85.2 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.529	mg/Kg	1	0.500	<0.00299	106	85.2 - 118	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32238 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	11.7	mg/Kg	1	12.5	<0.0268	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	11.3	mg/Kg	1	12.5	<0.0268	90	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32238 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	47.2	mg/Kg	1	50.0	3.41	88	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	48.0	mg/Kg	1	50.0	3.41	89	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32238 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	25.3	mg/Kg	1	25.0	<0.124	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	24.7	mg/Kg	1	25.0	<0.124	99	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32238
Prep Batch: 27843

Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16

Analyzed By: RR
Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.8	mg/Kg	1	12.5	<0.00444	94	85 - 113
Total Arsenic	45.0	mg/Kg	1	50.0	<0.228	90	85 - 111
Total Barium	89.1	mg/Kg	1	100	<0.0601	89	85 - 103
Total Cadmium	21.3	mg/Kg	1	25.0	<0.00794	85	85 - 115
Total Chromium	9.35	mg/Kg	1	10.0	<0.0125	94	85 - 115
Total Lead	44.5	mg/Kg	1	50.0	<0.367	89	85 - 115
Total Selenium	40.2	mg/Kg	1	50.0	<0.0767	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.7	mg/Kg	1	12.5	<0.00444	94	85 - 113	1	20
Total Arsenic	42.5	mg/Kg	1	50.0	<0.228	85	85 - 111	6	20
Total Barium	87.5	mg/Kg	1	100	<0.0601	88	85 - 103	2	20
Total Cadmium	22.1	mg/Kg	1	25.0	<0.00794	88	85 - 115	4	20
Total Chromium	9.02	mg/Kg	1	10.0	<0.0125	90	85 - 115	4	20
Total Lead	44.8	mg/Kg	1	50.0	<0.367	90	85 - 115	1	20
Total Selenium	40.3	mg/Kg	1	50.0	<0.0767	81	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32239
Prep Batch: 27843

Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16

Analyzed By: RR
Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	11.7	mg/Kg	1	12.5	<0.0268	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	11.3	mg/Kg	1	12.5	<0.0268	90	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32239 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	47.2	mg/Kg	1	50.0	3.41	88	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	48.0	mg/Kg	1	50.0	3.41	89	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32239 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	25.3	mg/Kg	1	25.0	<0.124	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	24.7	mg/Kg	1	25.0	<0.124	99	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32239 | Date Analyzed: 2006-11-27 | Analyzed By: RR
Prep Batch: 27843 | QC Preparation: 2006-11-16 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.8	mg/Kg	1	12.5	<0.00444	94	85 - 113
Total Arsenic	45.0	mg/Kg	1	50.0	<0.228	90	85 - 111
Total Barium	89.1	mg/Kg	1	100	<0.0601	89	85 - 103
Total Cadmium	21.3	mg/Kg	1	25.0	<0.00794	85	85 - 115
Total Chromium	9.35	mg/Kg	1	10.0	<0.0125	94	85 - 115
Total Lead	44.5	mg/Kg	1	50.0	<0.367	89	85 - 115
Total Selenium	40.2	mg/Kg	1	50.0	<0.0767	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.7	mg/Kg	1	12.5	<0.00444	94	85 - 113	1	20
Total Arsenic	42.5	mg/Kg	1	50.0	<0.228	85	85 - 111	6	20
Total Barium	87.5	mg/Kg	1	100	<0.0601	88	85 - 103	2	20
Total Cadmium	22.1	mg/Kg	1	25.0	<0.00794	88	85 - 115	4	20
Total Chromium	9.02	mg/Kg	1	10.0	<0.0125	90	85 - 115	4	20
Total Lead	44.8	mg/Kg	1	50.0	<0.367	90	85 - 115	1	20
Total Selenium	40.3	mg/Kg	1	50.0	<0.0767	81	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32261 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	47.4	mg/Kg	1	50.0	<0.388	95	85 - 168.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	52.7	mg/Kg	1	50.0	<0.388	105	85 - 168.5	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108183

QC Batch: 31924 Date Analyzed: 2006-11-15 Analyzed By: TP
Prep Batch: 27779 QC Preparation: 2006-11-14 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.494	mg/Kg	1	0.500	<0.00299	99	77.6 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.505	mg/Kg	1	0.00	<0.00299	101	77.6 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108192

QC Batch: 32012 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27889 QC Preparation: 2006-11-16 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.506	mg/Kg	1	0.500	<0.00299	101	77.6 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.488	mg/Kg	1	0.00	<0.00299	98	77.6 - 124	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108389

QC Batch: 32013
Prep Batch: 27889

Date Analyzed: 2006-11-17
QC Preparation: 2006-11-16

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.466	mg/Kg	1	0.500	<0.00299	93	77.6 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.463	mg/Kg	1	0.00	<0.00299	93	77.6 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108184

QC Batch: 32238
Prep Batch: 27843

Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16

Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	14.8	mg/Kg	1	12.5	5.23	76	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	15.2	mg/Kg	1	12.5	5.23	122	75 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108184

QC Batch: 32238
Prep Batch: 27843

Date Analyzed: 2006-11-27
QC Preparation: 2006-11-16

Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	250	mg/Kg	1	50.0	204	92	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	255	mg/Kg	1	50.0	204	102	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108184

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	38.4	mg/Kg	1	25.0	18.1	81	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	38.2	mg/Kg	1	25.0	18.1	80	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108184

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.7	mg/Kg	1	12.5	<0.00444	86	78.1 - 115
Total Arsenic	46.1	mg/Kg	1	50.0	<0.228	92	75 - 114
Total Barium	177	mg/Kg	1	100	75.9	101	75.7 - 123
Total Cadmium	22.1	mg/Kg	1	25.0	<0.00794	88	75 - 112
Total Chromium	13.1	mg/Kg	1	10.0	5.19	79	75 - 125
Total Lead	57.6	mg/Kg	1	50.0	14	87	75 - 125
Total Selenium	41.0	mg/Kg	1	50.0	<0.0767	82	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.7	mg/Kg	1	0.00	<0.00444	94	78.1 - 115	9	20
Total Arsenic	48.1	mg/Kg	1	0.00	<0.228	96	75 - 114	4	20
Total Barium	180	mg/Kg	1	0.00	75.9	104	75.7 - 123	2	20
Total Cadmium	22.9	mg/Kg	1	0.00	<0.00794	92	75 - 112	4	20
Total Chromium	13.0	mg/Kg	1	0.00	5.19	78	75 - 125	1	20
Total Lead	56.1	mg/Kg	1	0.00	14	84	75 - 125	3	20
Total Selenium	42.0	mg/Kg	1	0.00	<0.0767	84	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108199

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	15.9	mg/Kg	1	12.5	4.03	95	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	16.1	mg/Kg	1	12.5	4.03	96	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108199

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	210	mg/Kg	1	50.0	154	112	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	196	mg/Kg	1	50.0	154	84	75 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108199

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	37.8	mg/Kg	1	25.0	13.3	98	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	37.0	mg/Kg	1	25.0	13.3	95	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108199

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.00444	88	78.1 - 115
Total Arsenic	49.8	mg/Kg	1	50.0	<0.228	100	75 - 114
Total Barium	145	mg/Kg	1	100	59	86	75.7 - 123
Total Cadmium	21.0	mg/Kg	1	25.0	<0.00794	84	75 - 112
Total Chromium	14.9	mg/Kg	1	10.0	4.95	100	75 - 125
Total Lead	51.7	mg/Kg	1	50.0	11.2	81	75 - 125
Total Selenium	44.0	mg/Kg	1	50.0	<0.0767	88	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	0.00	<0.00444	88	78.1 - 115	0	20
Total Arsenic	49.7	mg/Kg	1	0.00	<0.228	99	75 - 114	0	20
Total Barium	153	mg/Kg	1	0.00	59	94	75.7 - 123	5	20
Total Cadmium	22.4	mg/Kg	1	0.00	<0.00794	90	75 - 112	6	20
Total Chromium	14.6	mg/Kg	1	0.00	4.95	96	75 - 125	2	20
Total Lead	51.4	mg/Kg	1	0.00	11.2	80	75 - 125	1	20
Total Selenium	40.2	mg/Kg	1	0.00	<0.0767	80	75 - 117	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108184

QC Batch: 32261 Date Analyzed: 2006-11-27 Analyzed By: RR
Prep Batch: 27843 QC Preparation: 2006-11-16 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	2980	mg/Kg	1	50.0	2930	100	75 - 184.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	2980	mg/Kg	1	50.0	2930	100	75 - 184.1	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 31924 Date Analyzed: 2006-11-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00487	97	90 - 110	2006-11-15

Standard (CCV-1)

QC Batch: 31924 Date Analyzed: 2006-11-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00474	95	80 - 120	2006-11-15

Standard (ICV-1)

QC Batch: 32012 Date Analyzed: 2006-11-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00492	98	90 - 110	2006-11-17

Standard (CCV-1)

QC Batch: 32012 Date Analyzed: 2006-11-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00477	95	80 - 120	2006-11-17

Standard (ICV-1)

QC Batch: 32013 Date Analyzed: 2006-11-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00492	98	90 - 110	2006-11-17

Standard (CCV-1)

QC Batch: 32013 Date Analyzed: 2006-11-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00453	91	80 - 120	2006-11-17

Standard (ICV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/Kg	1.00	1.02	102	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/Kg	5.00	5.06	101	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/Kg	1.00	1.07	107	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.130	104	90 - 110	2006-11-27
Total Arsenic		mg/Kg	1.00	1.05	105	95 - 105	2006-11-27
Total Barium		mg/Kg	1.00	1.03	103	95 - 105	2006-11-27
Total Cadmium		mg/Kg	1.00	1.02	102	95 - 105	2006-11-27
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2006-11-27
Total Lead		mg/Kg	1.00	1.02	102	90 - 110	2006-11-27
Total Selenium		mg/Kg	1.00	1.03	103	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/Kg	1.00	1.04	104	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/Kg	5.00	5.25	105	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/Kg	1.00	1.08	108	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32238 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.132	106	90 - 110	2006-11-27
Total Arsenic		mg/Kg	1.00	1.06	106	90 - 110	2006-11-27
Total Barium		mg/Kg	1.00	1.04	104	90 - 110	2006-11-27
Total Cadmium		mg/Kg	1.00	1.06	106	90 - 110	2006-11-27
Total Chromium		mg/Kg	1.00	1.05	105	90 - 110	2006-11-27
Total Lead		mg/Kg	1.00	1.06	106	90 - 110	2006-11-27
Total Selenium		mg/Kg	1.00	1.09	109	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/Kg	1.00	1.02	102	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/Kg	5.00	5.06	101	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/Kg	1.00	1.07	107	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.130	104	90 - 110	2006-11-27
Total Arsenic		mg/Kg	1.00	1.05	105	95 - 105	2006-11-27
Total Barium		mg/Kg	1.00	1.03	103	95 - 105	2006-11-27
Total Cadmium		mg/Kg	1.00	1.02	102	95 - 105	2006-11-27
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2006-11-27
Total Lead		mg/Kg	1.00	1.02	102	90 - 110	2006-11-27
Total Selenium		mg/Kg	1.00	1.03	103	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/Kg	1.00	0.940	94	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/Kg	5.00	4.68	94	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/Kg	1.00	0.991	99	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32239 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.121	97	90 - 110	2006-11-27
Total Arsenic		mg/Kg	1.00	0.989	99	90 - 110	2006-11-27
Total Barium		mg/Kg	1.00	0.945	94	90 - 110	2006-11-27

continued . . .

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/Kg	1.00	0.948	95	90 - 110	2006-11-27
Total Chromium		mg/Kg	1.00	0.941	94	90 - 110	2006-11-27
Total Lead		mg/Kg	1.00	0.963	96	90 - 110	2006-11-27
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2006-11-27

Standard (ICV-1)

QC Batch: 32261 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	1.00	1.04	104	90 - 110	2006-11-27

Standard (CCV-1)

QC Batch: 32261 Date Analyzed: 2006-11-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	1.00	0.955	96	90 - 110	2006-11-27

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 32 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 108191 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108191 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.820	mg/Kg	1	2.67	31	8.6 - 115
Phenol-d5		1.04	mg/Kg	1	2.67	39	6.3 - 124
Nitrobenzene-d5		1.02	mg/Kg	1	2.67	38	11.3 - 116
2-Fluorobiphenyl		1.65	mg/Kg	1	2.67	62	14.6 - 122
2,4,6-Tribromophenol		1.65	mg/Kg	1	2.67	62	13.8 - 123
Terphenyl-d14		1.99	mg/Kg	1	2.67	74	30.8 - 134

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250

continued . . .

sample 108192 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	B	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108192 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.870	mg/Kg	1	2.67	32	8.6 - 115
Phenol-d5		0.670	mg/Kg	1	2.67	25	6.3 - 124
Nitrobenzene-d5		0.770	mg/Kg	1	2.67	29	11.3 - 116
2-Fluorobiphenyl		1.45	mg/Kg	1	2.67	54	14.6 - 122
2,4,6-Tribromophenol		1.48	mg/Kg	1	2.67	55	13.8 - 123
Terphenyl-d14		2.23	mg/Kg	1	2.67	84	30.8 - 134

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250

continued . . .

sample 108193 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250

continued . . .

sample 108193 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.810	mg/Kg	1	2.67	30	8.6 - 115
Phenol-d5		0.970	mg/Kg	1	2.67	36	6.3 - 124
Nitrobenzene-d5		1.11	mg/Kg	1	2.67	42	11.3 - 116
2-Fluorobiphenyl		1.14	mg/Kg	1	2.67	43	14.6 - 122
2,4,6-Tribromophenol		1.12	mg/Kg	1	2.67	42	13.8 - 123
Terphenyl-d14		1.73	mg/Kg	1	2.67	65	30.8 - 134

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued . . .

sample 108194 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.770	mg/Kg	1	2.67	29	8.6 - 115
Phenol-d5		0.790	mg/Kg	1	2.67	30	6.3 - 124
Nitrobenzene-d5		0.930	mg/Kg	1	2.67	35	11.3 - 116

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorobiphenyl		1.54	mg/Kg	1	2.67	58	14.6 - 122
2,4,6-Tribromophenol		1.32	mg/Kg	1	2.67	49	13.8 - 123
Terphenyl-d14		2.27	mg/Kg	1	2.67	85	30.8 - 134

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108195 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	B	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108195 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.28	mg/Kg	1	2.67	48	8.6 - 115
Phenol-d5		1.33	mg/Kg	1	2.67	50	6.3 - 124
Nitrobenzene-d5		1.56	mg/Kg	1	2.67	58	11.3 - 116
2-Fluorobiphenyl		2.00	mg/Kg	1	2.67	75	14.6 - 122
2,4,6-Tribromophenol		2.12	mg/Kg	1	2.67	79	13.8 - 123
Terphenyl-d14		2.41	mg/Kg	1	2.67	90	30.8 - 134

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued . . .

sample 108196 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued . . .

sample 108196 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	B	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.860	mg/Kg	1	2.67	32	8.6 - 115
Phenol-d5		0.950	mg/Kg	1	2.67	36	6.3 - 124
Nitrobenzene-d5		0.990	mg/Kg	1	2.67	37	11.3 - 116
2-Fluorobiphenyl		1.51	mg/Kg	1	2.67	56	14.6 - 122
2,4,6-Tribromophenol		1.82	mg/Kg	1	2.67	68	13.8 - 123
Terphenyl-d14		2.13	mg/Kg	1	2.67	80	30.8 - 134

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 108197 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250

continued . . .

sample 108197 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.08	mg/Kg	1	2.67	40	8.6 - 115
Phenol-d5		1.10	mg/Kg	1	2.67	41	6.3 - 124
Nitrobenzene-d5		1.20	mg/Kg	1	2.67	45	11.3 - 116
2-Fluorobiphenyl		1.82	mg/Kg	1	2.67	68	14.6 - 122
2,4,6-Tribromophenol		1.75	mg/Kg	1	2.67	66	13.8 - 123
Terphenyl-d14		2.12	mg/Kg	1	2.67	79	30.8 - 134

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108198 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.10	mg/Kg	1	2.67	41	8.6 - 115
Phenol-d5		1.24	mg/Kg	1	2.67	46	6.3 - 124
Nitrobenzene-d5		1.66	mg/Kg	1	2.67	62	11.3 - 116
2-Fluorobiphenyl		2.14	mg/Kg	1	2.67	80	14.6 - 122
2,4,6-Tribromophenol		2.03	mg/Kg	1	2.67	76	13.8 - 123
Terphenyl-d14		2.60	mg/Kg	1	2.67	97	30.8 - 134

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250

continued . . .

sample 108199 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	B	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 108199 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.34	mg/Kg	1	2.67	50	8.6 - 115
Phenol-d5		0.960	mg/Kg	1	2.67	36	6.3 - 124
Nitrobenzene-d5		0.970	mg/Kg	1	2.67	36	11.3 - 116
2-Fluorobiphenyl		1.55	mg/Kg	1	2.67	58	14.6 - 122
2,4,6-Tribromophenol		1.81	mg/Kg	1	2.67	68	13.8 - 123
Terphenyl-d14		2.13	mg/Kg	1	2.67	80	30.8 - 134

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108200 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250

continued . . .

sample 108200 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		**0.313**	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.710	mg/Kg	1	2.67	26	8.6 - 115
Phenol-d5		0.750	mg/Kg	1	2.67	28	6.3 - 124
Nitrobenzene-d5		0.820	mg/Kg	1	2.67	31	11.3 - 116
2-Fluorobiphenyl		1.34	mg/Kg	1	2.67	50	14.6 - 122
2,4,6-Tribromophenol		1.53	mg/Kg	1	2.67	57	13.8 - 123
Terphenyl-d14		1.94	mg/Kg	1	2.67	73	30.8 - 134

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	Sample Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.960	mg/Kg	1	2.67	36	8.6 - 115
Phenol-d5		1.02	mg/Kg	1	2.67	38	6.3 - 124
Nitrobenzene-d5		1.15	mg/Kg	1	2.67	43	11.3 - 116
2-Fluorobiphenyl		1.13	mg/Kg	1	2.67	42	14.6 - 122
2,4,6-Tribromophenol		1.40	mg/Kg	1	2.67	52	13.8 - 123
Terphenyl-d14		1.74	mg/Kg	1	2.67	65	30.8 - 134

Method Blank (1) QC Batch: 32380

QC Batch:	32380	Date Analyzed:	2006-11-28	Analyzed By:	DS
Prep Batch:	28194	QC Preparation:	2006-11-17	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0637	mg/Kg	0.25
n-Nitrosodimethylamine		<0.0307	mg/Kg	0.25
2-Picoline		<0.0698	mg/Kg	0.25
Methyl methanesulfonate		<0.0299	mg/Kg	0.25
Ethyl methanesulfonate		<0.0390	mg/Kg	0.25
Phenol		<0.0602	mg/Kg	0.25
Aniline		<0.0369	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0407	mg/Kg	0.25
2-Chlorophenol		<0.0923	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0299	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0303	mg/Kg	0.25
Benzyl alcohol		<0.0618	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0308	mg/Kg	0.25
2-Methylphenol		<0.0504	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0272	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0349	mg/Kg	0.25
Acetophenone		<0.0422	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.0480	mg/Kg	0.25
Hexachloroethane		<0.0522	mg/Kg	0.25
Nitrobenzene		<0.179	mg/Kg	0.25
n-Nitrosopiperidine		<0.0354	mg/Kg	0.25
Isophorone		<0.0802	mg/Kg	0.25
2-Nitrophenol		<0.0236	mg/Kg	0.25
2,4-Dimethylphenol		<0.0416	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0490	mg/Kg	0.25
Benzoic acid		<0.137	mg/Kg	0.25
2,4-Dichlorophenol		<0.130	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0297	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0533	mg/Kg	0.25
Naphthalene		<0.0367	mg/Kg	0.25
4-Chloroaniline		<0.0492	mg/Kg	0.25
2,6-Dichlorophenol		<0.0365	mg/Kg	0.25
Hexachlorobutadiene		<0.0364	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.0512	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0474	mg/Kg	0.25
1-Methylnaphthalene		<0.0417	mg/Kg	0.25
2-Methylnaphthalene		<0.0339	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0300	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0352	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0336	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0403	mg/Kg	0.25
2-Chloronaphthalene		<0.0266	mg/Kg	0.25
1-Chloronaphthalene		<0.0263	mg/Kg	0.25
2-Nitroaniline		<0.0290	mg/Kg	0.25
Dimethylphthalate		<0.0290	mg/Kg	0.25
Acenaphthylene		<0.0651	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0535	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
3-Nitroaniline		<0.0421	mg/Kg	0.25
Acenaphthene		<0.0745	mg/Kg	0.25
2,4-Dinitrophenol		<0.0860	mg/Kg	0.25
Dibenzofuran		<0.0274	mg/Kg	0.25
Pentachlorobenzene		<0.0396	mg/Kg	0.25
4-Nitrophenol		<0.169	mg/Kg	0.25
1-Naphthylamine		<0.0304	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0609	mg/Kg	0.25
2-Naphthylamine		<0.153	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0404	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25
Diethylphthalate		<0.0402	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0345	mg/Kg	0.25
4-Nitroaniline		<0.0176	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.330	mg/Kg	0.25
Diphenylamine		<0.0471	mg/Kg	0.25
Diphenylhydrazine		<0.0641	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0310	mg/Kg	0.25
Phenacetin		<0.0344	mg/Kg	0.25
Hexachlorobenzene		<0.0306	mg/Kg	0.25
4-Aminobiphenyl		<0.128	mg/Kg	0.25
Pentachlorophenol		<0.151	mg/Kg	0.25
Pentachloronitrobenzene		<0.0775	mg/Kg	0.25
Pronamide		<0.0265	mg/Kg	0.25
Phenanthrene		<0.0737	mg/Kg	0.25
Anthracene		<0.0378	mg/Kg	0.25
Di-n-butylphthalate		0.0341	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	2.5
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
Benzo(a)pyrene		<0.0349	mg/Kg	0.25
3-Methylcholanthrene		<0.0741	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0290	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0287	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0448	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0276	mg/Kg	0.25
2-Butoxy Ethanol		<0.150	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.930	mg/Kg	1	2.67	35	8.6 - 115
Phenol-d5		0.980	mg/Kg	1	2.67	37	6.3 - 124
Nitrobenzene-d5		0.930	mg/Kg	1	2.67	35	11.3 - 116
2-Fluorobiphenyl		1.76	mg/Kg	1	2.67	66	14.6 - 122
2,4,6-Tribromophenol		1.94	mg/Kg	1	2.67	73	13.8 - 123
Terphenyl-d14		2.59	mg/Kg	1	2.67	97	30.8 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 32380
Prep Batch: 28194

Date Analyzed: 2006-11-28
QC Preparation: 2006-11-17

Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.44	mg/Kg	1	2.67	<0.0602	54	10 - 125.6
2-Chlorophenol	1.56	mg/Kg	1	2.67	<0.0923	58	10 - 144
1,4-Dichlorobenzene (para)	1.67	mg/Kg	1	2.67	<0.0303	62	10 - 172
n-Nitrosodi-n-propylamine	0.401	mg/Kg	1	2.67	<0.0480	15	10 - 203
1,2,4-Trichlorobenzene	1.62	mg/Kg	1	2.67	<0.0297	61	10 - 176
4-Chloro-3-methylphenol	1.35	mg/Kg	1	2.67	<0.0474	50	10 - 168
Acenaphthene	1.81	mg/Kg	1	2.67	<0.0745	68	10 - 215
4-Nitrophenol	0.776	mg/Kg	1	2.67	<0.169	29	10 - 160
2,4-Dinitrotoluene	1.94	mg/Kg	1	2.67	<0.0609	73	10 - 226
Pentachlorophenol	1.57	mg/Kg	1	2.67	<0.151	59	10 - 187
Pyrene	2.78	mg/Kg	1	2.67	<0.151	104	10 - 248

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.24	mg/Kg	1	2.67	<0.0602	46	10 - 125.6	15	20
2-Chlorophenol	1.40	mg/Kg	1	2.67	<0.0923	52	10 - 144	11	20
1,4-Dichlorobenzene (para)	1.51	mg/Kg	1	2.67	<0.0303	56	10 - 172	10	20
n-Nitrosodi-n-propylamine	0.443	mg/Kg	1	2.67	<0.0480	16	10 - 203	10	20
1,2,4-Trichlorobenzene	1.48	mg/Kg	1	2.67	<0.0297	55	10 - 176	9	20
4-Chloro-3-methylphenol	1.25	mg/Kg	1	2.67	<0.0474	47	10 - 168	8	20
Acenaphthene	1.70	mg/Kg	1	2.67	<0.0745	64	10 - 215	6	20
4-Nitrophenol	0.725	mg/Kg	1	2.67	<0.169	27	10 - 160	7	20
2,4-Dinitrotoluene	2.09	mg/Kg	1	2.67	<0.0609	78	10 - 226	7	20
Pentachlorophenol	1.66	mg/Kg	1	2.67	<0.151	62	10 - 187	6	20
Pyrene	2.56	mg/Kg	1	2.67	<0.151	96	10 - 248	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.28	1.22	mg/Kg	1	2.67	48	46	10 - 130.2
Phenol-d5	1.52	1.40	mg/Kg	1	2.67	57	52	10 - 133.4
Nitrobenzene-d5	1.48	1.37	mg/Kg	1	2.67	55	51	21 - 130.5
2-Fluorobiphenyl	2.10	1.97	mg/Kg	1	2.67	79	74	22 - 129.2
2,4,6-Tribromophenol	2.73	2.66	mg/Kg	1	2.67	102	100	41 - 149

continued . . .

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Terphenyl-d14	3.23	3.00	mg/Kg	1	2.67	121	112	44.1 - 161

Matrix Spike (MS-1) Spiked Sample: 108183

QC Batch: 32380
Prep Batch: 28194

Date Analyzed: 2006-11-28
QC Preparation: 2006-11-17

Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.20	mg/Kg	1	2.67	<0.0602	45	10 - 109
2-Chlorophenol	1.31	mg/Kg	1	2.67	<0.0923	49	10 - 130
1,4-Dichlorobenzene (para)	1.37	mg/Kg	1	2.67	<0.0303	51	10 - 124
n-Nitrosodi-n-propylamine	0.605	mg/Kg	1	2.67	<0.0480	23	10 - 172
1,2,4-Trichlorobenzene	1.32	mg/Kg	1	2.67	<0.0297	49	10 - 136
4-Chloro-3-methylphenol	0.982	mg/Kg	1	2.67	<0.0474	37	10 - 121
Acenaphthene	1.41	mg/Kg	1	2.67	<0.0745	53	10 - 158
4-Nitrophenol	0.468	mg/Kg	1	2.67	<0.169	18	10 - 84
2,4-Dinitrotoluene	1.52	mg/Kg	1	2.67	<0.0609	57	10 - 126
Pentachlorophenol	0.624	mg/Kg	1	2.67	<0.151	23	10 - 143
Pyrene	1.93	mg/Kg	1	2.67	<0.151	72	10 - 174

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.12	mg/Kg	1	2.67	<0.0602	42	10 - 109	7	20
2-Chlorophenol	1.28	mg/Kg	1	2.67	<0.0923	48	10 - 130	2	20
1,4-Dichlorobenzene (para)	1.32	mg/Kg	1	2.67	<0.0303	49	10 - 124	4	20
n-Nitrosodi-n-propylamine	0.560	mg/Kg	1	2.67	<0.0480	21	10 - 172	8	20
1,2,4-Trichlorobenzene	1.28	mg/Kg	1	2.67	<0.0297	48	10 - 136	3	20
4-Chloro-3-methylphenol	0.961	mg/Kg	1	2.67	<0.0474	36	10 - 121	2	20
Acenaphthene	1.40	mg/Kg	1	2.67	<0.0745	52	10 - 158	1	20
4-Nitrophenol	0.429	mg/Kg	1	2.67	<0.169	16	10 - 84	9	20
2,4-Dinitrotoluene	1.49	mg/Kg	1	2.67	<0.0609	56	10 - 126	2	20
Pentachlorophenol	0.659	mg/Kg	1	2.67	<0.151	25	10 - 143	5	20
Pyrene	1.88	mg/Kg	1	2.67	<0.151	70	10 - 174	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.930	0.930	mg/Kg	1	2.67	35	35	10 - 98.6
Phenol-d5	1.20	1.21	mg/Kg	1	2.67	45	45	10 - 103
Nitrobenzene-d5	1.10	1.06	mg/Kg	1	2.67	41	40	24 - 93.4
2-Fluorobiphenyl	1.70	1.64	mg/Kg	1	2.67	64	61	13.1 - 102
2,4,6-Tribromophenol	1.76	1.73	mg/Kg	1	2.67	66	65	21.5 - 112
Terphenyl-d14	2.19	2.13	mg/Kg	1	2.67	82	80	24.3 - 121

Standard (CCV-1)

QC Batch: 32380

Date Analyzed: 2006-11-28

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	52.7	88	80 - 120	2006-11-28
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.6	99	80 - 120	2006-11-28
2-Nitrophenol		mg/Kg	60.0	52.5	88	80 - 120	2006-11-28
2,4-Dichlorophenol		mg/Kg	60.0	48.4	81	80 - 120	2006-11-28
Hexachlorobutadiene		mg/Kg	60.0	69.2	115	80 - 120	2006-11-28
4-Chloro-3-methylphenol		mg/Kg	60.0	55.9	93	80 - 120	2006-11-28
2,4,6-Trichlorophenol		mg/Kg	60.0	57.3	96	80 - 120	2006-11-28
Acenaphthene		mg/Kg	60.0	61.8	103	80 - 120	2006-11-28
Diphenylamine		mg/Kg	60.0	58.8	98	80 - 120	2006-11-28
Pentachlorophenol		mg/Kg	60.0	54.1	90	80 - 120	2006-11-28
Fluoranthene		mg/Kg	60.0	60.9	102	80 - 120	2006-11-28
Di-n-octylphthalate		mg/Kg	60.0	53.6	89	80 - 120	2006-11-28
Benzo(a)pyrene		mg/Kg	60.0	59.3	99	80 - 120	2006-11-28

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		52.0	mg/Kg	1	60.0	87	80 - 120
Phenol-d5		52.0	mg/Kg	1	60.0	87	80 - 120
Nitrobenzene-d5		57.7	mg/Kg	1	60.0	96	80 - 120
2-Fluorobiphenyl		57.4	mg/Kg	1	60.0	96	80 - 120
2,4,6-Tribromophenol	[1]	78.1	mg/Kg	1	60.0	130	80 - 120
Terphenyl-d14		67.3	mg/Kg	1	60.0	112	80 - 120

Standard (CCV-2)

QC Batch: 32380 Date Analyzed: 2006-11-28 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	50.5	84	80 - 120	2006-11-28
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.3	99	80 - 120	2006-11-28
2-Nitrophenol		mg/Kg	60.0	55.1	92	80 - 120	2006-11-28
2,4-Dichlorophenol		mg/Kg	60.0	54.8	91	80 - 120	2006-11-28
Hexachlorobutadiene		mg/Kg	60.0	67.9	113	80 - 120	2006-11-28
4-Chloro-3-methylphenol		mg/Kg	60.0	60.4	101	80 - 120	2006-11-28
2,4,6-Trichlorophenol		mg/Kg	60.0	57.9	96	80 - 120	2006-11-28
Acenaphthene		mg/Kg	60.0	60.2	100	80 - 120	2006-11-28
Diphenylamine		mg/Kg	60.0	60.4	101	80 - 120	2006-11-28
Pentachlorophenol		mg/Kg	60.0	57.6	96	80 - 120	2006-11-28
Fluoranthene		mg/Kg	60.0	62.9	105	80 - 120	2006-11-28
Di-n-octylphthalate		mg/Kg	60.0	57.7	96	80 - 120	2006-11-28
Benzo(a)pyrene		mg/Kg	60.0	58.2	97	80 - 120	2006-11-28

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		50.1	mg/Kg	1	60.0	84	80 - 120
Phenol-d5		50.2	mg/Kg	1	60.0	84	80 - 120

continued . . .

[1] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 97.2% which is within acceptable range. This is acceptable by Method 8000.

standard continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		57.2	mg/Kg	1	60.0	95	80 - 120
2-Fluorobiphenyl		56.8	mg/Kg	1	60.0	95	80 - 120
2,4,6-Tribromophenol		72.2	mg/Kg	1	60.0	120	80 - 120
Terphenyl-d14		68.0	mg/Kg	1	60.0	113	80 - 120

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.15**	mg/Kg	10	0.100

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.44**	mg/Kg	5	0.100

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.31**	mg/Kg	10	0.100

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.12**	mg/Kg	5	0.100

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**30.7**	mg/Kg	250	0.100

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**24.8**	mg/Kg	100	0.100

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**5.15**	mg/Kg	50	0.100

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**3.20**	mg/Kg	25	0.100

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.50**	mg/Kg	10	0.100

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	Sample Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.10**	mg/Kg	5	0.100

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32345	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28166	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**12.6**	mg/Kg	100	0.100

Method Blank (1) QC Batch: 32160

QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	QC Preparation:	2006-11-16	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		< 0.10	mg/Kg	0.1

Method Blank (1) QC Batch: 32345

QC Batch:	32345	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28166	QC Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		< 0.10	mg/Kg	0.1

Laboratory Control Spike (LCS-1)

QC Batch:	32160	Date Analyzed:	2006-11-16	Analyzed By:	JS
Prep Batch:	28013	QC Preparation:	2006-11-16	Prepared By:	JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.170	mg/Kg	1	0.160	<0.0155	106	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[1]	0.189	mg/Kg	1	0.160	<0.0155	118	85 - 115	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32345 Date Analyzed: 2006-11-28 Analyzed By: JS
Prep Batch: 28166 QC Preparation: 2006-11-27 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.177	mg/Kg	1	0.160	<0.0155	111	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[2]	0.196	mg/Kg	1	0.160	<0.0155	122	85 - 115	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108191

QC Batch: 32160 Date Analyzed: 2006-11-16 Analyzed By: JS
Prep Batch: 28013 QC Preparation: 2006-11-16 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[3]	0.978	mg/Kg	10	1.60	1.15	-9	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[4]	0.795	mg/Kg	10	1.60	1.15	-22	85 - 115	21	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108201

QC Batch: 32345 Date Analyzed: 2006-11-28 Analyzed By: JS
Prep Batch: 28166 QC Preparation: 2006-11-27 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[5]	20.6	mg/Kg	100	16.0	12.6	50	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[2] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[6]	18.5	mg/Kg	100	16.0	12.6	37	85 - 115	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 32160 Date Analyzed: 2006-11-16 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/Kg	0.160	0.153	96	85 - 115	2006-11-16

Standard (CCV-1)

QC Batch: 32160 Date Analyzed: 2006-11-16 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/Kg	0.160	0.163	102	85 - 115	2006-11-16

Standard (ICV-1)

QC Batch: 32345 Date Analyzed: 2006-11-28 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/Kg	0.160	0.177	111	85 - 115	2006-11-28

Standard (CCV-1)

QC Batch: 32345 Date Analyzed: 2006-11-28 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/Kg	0.160	0.158	99	85 - 115	2006-11-28

[6]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**4.90**	%	1	0.00

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**3.25**	%	1	0.00

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.44**	%	1	0.00

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**3.10**	%	1	0.00

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.97**	%	1	0.00

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**3.25**	%	1	0.00

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**5.69**	%	1	0.00

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**4.54**	%	1	0.00

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.20**	%	1	0.00

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**1.21**	%	1	0.00

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31975	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27845	Sample Preparation:	2006-11-12	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**4.71**	%	1	0.00

Duplicates (1)

QC Batch:	31974	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27844	QC Preparation:	2006-11-12	Prepared By:	SM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	2.36	3.25	%	1	32	34

Duplicates (1)

QC Batch:	31975	Date Analyzed:	2006-11-16	Analyzed By:	SM
Prep Batch:	27845	QC Preparation:	2006-11-12	Prepared By:	SM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	0.555	0.659	%	1	17	34

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32188	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27866	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		<5.00	mg/Kg	1	5.00

Method Blank (1) QC Batch: 32188

QC Batch:	32188	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27866	QC Preparation:	2006-11-16	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<2.32	mg/Kg	5

Method Blank (1) QC Batch: 32189

QC Batch:	32189	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27867	QC Preparation:	2006-11-16	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Hexavalent Chromium		<2.32	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch:	32188	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27866	QC Preparation:	2006-11-16	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	32.2	mg/Kg	1	40.0	<2.32	80	77.3 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	32.5	mg/Kg	1	40.0	<2.32	81	77.3 - 119	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32189 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27867 QC Preparation: 2006-11-16 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	32.5	mg/Kg	1	40.0	<2.32	81	77.3 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	32.0	mg/Kg	1	40.0	<2.32	80	77.3 - 119	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108191

QC Batch: 32188 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27866 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium [1]	33.3	mg/Kg	1	40.0	<2.32	83	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium [2]	32.0	mg/Kg	1	40.0	<2.32	80	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 108201

QC Batch: 32189 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27867 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	36.4	mg/Kg	1	40.0	<2.32	91	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	35.6	mg/Kg	1	40.0	<2.32	89	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 32188 Date Analyzed: 2006-11-17 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.485	97	85 - 115	2006-11-17

Standard (CCV-1)

QC Batch: 32188 Date Analyzed: 2006-11-17 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.499	100	85 - 115	2006-11-17

Standard (ICV-1)

QC Batch: 32189 Date Analyzed: 2006-11-17 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.499	100	85 - 115	2006-11-17

Standard (CCV-1)

QC Batch: 32189 Date Analyzed: 2006-11-17 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.534	107	85 - 115	2006-11-17

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07
108202	HLSF-0085-TB-588	water	2006-11-06	08:50	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 29 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0

continued . . .

sample 108191 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		457	µg/Kg	1	500	91	42 - 129
Toluene-d8		508	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		497	µg/Kg	1	500	99	78 - 120

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0

continued . . .

sample 108192 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0

continued . . .

sample 108192 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		465	µg/Kg	1	500	93	42 - 129
Toluene-d8		508	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		498	µg/Kg	1	500	100	78 - 120

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<200	µg/kg	1	200
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0

continued . . .

sample 108193 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0

continued . . .

sample 108193 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		473	µg/Kg	1	500	95	42 - 129
Toluene-d8		509	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		500	µg/Kg	1	500	100	78 - 120

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0

continued . . .

sample 108194 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		464	µg/Kg	1	500	93	42 - 129
Toluene-d8		503	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		491	µg/Kg	1	500	98	78 - 120

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	B	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 108195 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene	B	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		476	µg/Kg	1	500	95	42 - 129
Toluene-d8		508	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		494	µg/Kg	1	500	99	78 - 120

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0

continued . . .

sample 108196 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		474	µg/Kg	1	500	95	42 - 129
Toluene-d8		503	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		496	µg/Kg	1	500	99	78 - 120

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<200	µg/kg	1	200
Bromochloromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0

continued . . .

sample 108197 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 108197 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		475	µg/Kg	1	500	95	42 - 129
Toluene-d8		508	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		495	µg/Kg	1	500	99	78 - 120

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	B	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0

continued . . .

sample 108198 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	B	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0

continued . . .

sample 108198 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		476	µg/Kg	1	500	95	42 - 129
Toluene-d8		507	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		494	µg/Kg	1	500	99	78 - 120

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<200	µg/kg	1	200
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0

continued . . .

sample 108199 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		472	µg/Kg	1	500	94	42 - 129
Toluene-d8		504	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		488	µg/Kg	1	500	98	78 - 120

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<200	µg/kg	1	200
Bromochloromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	B	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	B	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0

continued . . .

sample 108200 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		477	µg/Kg	1	500	95	42 - 129
Toluene-d8		505	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		491	µg/Kg	1	500	98	78 - 120

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	Sample Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
Tert-butyl Alcohol		<200	µg/kg	1	200
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		479	µg/Kg	1	500	96	42 - 129
Toluene-d8		504	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		487	µg/Kg	1	500	97	78 - 120

Sample: 108202 - HLSF-0085-TB-588

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	31932	Date Analyzed:	2006-11-13	Analyzed By:	JG
Prep Batch:	27808	Sample Preparation:	2006-11-13	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00

continued . . .

sample 108202 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene	B	<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene	B	<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene	B	<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene	B	<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene	B	<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene	B	<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene	B	<1.00	µg/L	1	1.00
tert-Butylbenzene	B	<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene	B	<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene	B	<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene	B	<1.00	µg/L	1	1.00
4-Chlorotoluene	B	<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)	B	<1.00	µg/L	1	1.00
n-Butylbenzene	B	<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00

continued . . .

sample 108202 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		51.1	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 31932

QC Batch:	31932	Date Analyzed:	2006-11-13	Analyzed By:	JG
Prep Batch:	27808	QC Preparation:	2006-11-13	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		0.0600	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		<0.0736	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		0.0500	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		0.0900	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		0.0500	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		0.0600	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		0.0700	µg/L	1
1,3,5-Trimethylbenzene		0.0600	µg/L	1
tert-Butylbenzene		0.100	µg/L	1
1,2,4-Trimethylbenzene		0.0800	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		0.110	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		0.120	µg/L	1
4-Chlorotoluene		0.0600	µg/L	1
1,2-Dichlorobenzene (ortho)		0.0800	µg/L	1
n-Butylbenzene		0.160	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.1	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		51.1	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.9	µg/L	1	50.0	96	84.6 - 114

Method Blank (1) QC Batch: 32036

QC Batch:	32036	Date Analyzed:	2006-11-14	Analyzed By:	JG
Prep Batch:	27910	QC Preparation:	2006-11-14	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.825	µg/Kg	10
Isopropyl Alcohol		<85.5	µg/kg	200
Dichlorodifluoromethane		<0.889	µg/Kg	10
Tert-butyl Alcohol		<88.1	µg/kg	200
1,4-Dioxane		<176	µg/kg	500
Chloromethane (methyl chloride)		<0.929	µg/Kg	10
Vinyl Chloride		<0.463	µg/Kg	10
Bromomethane (methyl bromide)		<1.71	µg/Kg	50
Chloroethane		<3.68	µg/Kg	10
Trichlorofluoromethane		<0.306	µg/Kg	10
Acetone		<1.70	µg/Kg	100
Iodomethane (methyl iodide)		<0.640	µg/Kg	50
Carbon Disulfide		<0.346	µg/Kg	10
Acrylonitrile		<1.51	µg/Kg	10
2-Butanone (MEK)		<3.78	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<7.86	µg/Kg	50
2-Hexanone		<5.70	µg/Kg	50
trans 1,4-Dichloro-2-butene		<1.33	µg/Kg	100
1,1-Dichloroethene		<0.639	µg/Kg	10
Methylene chloride		24.3	µg/Kg	50
MTBE		<0.362	µg/Kg	10
trans-1,2-Dichloroethene		<0.419	µg/Kg	10
1,1-Dichloroethane		<0.257	µg/Kg	10
cis-1,2-Dichloroethene		<0.627	µg/Kg	10
2,2-Dichloropropane		<0.593	µg/Kg	10
1,2-Dichloroethane (EDC)		<0.524	µg/Kg	10
Chloroform		<0.440	µg/Kg	10
1,1,1-Trichloroethane		<0.750	µg/Kg	10
1,1-Dichloropropene		<0.622	µg/Kg	10
Benzene		<0.644	µg/Kg	10
Carbon Tetrachloride		<0.485	µg/Kg	10
1,2-Dichloropropane		<0.547	µg/Kg	10
Trichloroethene (TCE)		<0.836	µg/Kg	10
Dibromomethane (methylene bromide)		<0.435	µg/Kg	10
Bromodichloromethane		<0.457	µg/Kg	10
2-Chloroethyl vinyl ether		<0.547	µg/Kg	50
cis-1,3-Dichloropropene		<0.596	µg/Kg	10
trans-1,3-Dichloropropene		<0.561	µg/Kg	10
Toluene		1.15	µg/Kg	10
1,1,2-Trichloroethane		<3.25	µg/Kg	10
1,3-Dichloropropane		<0.505	µg/Kg	10
Dibromochloromethane		<0.552	µg/Kg	10
1,2-Dibromoethane (EDB)		<0.688	µg/Kg	10
Tetrachloroethene (PCE)		<0.826	µg/Kg	10
Chlorobenzene		<0.426	µg/Kg	10
1,1,1,2-Tetrachloroethane		<0.289	µg/Kg	10
Ethylbenzene		<0.376	µg/Kg	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
m,p-Xylene		<0.714	µg/Kg	10
Bromoform		<0.426	µg/Kg	10
Styrene		<0.796	µg/Kg	10
o-Xylene		<0.679	µg/Kg	10
1,1,2,2-Tetrachloroethane		<0.703	µg/Kg	10
2-Chlorotoluene		<1.26	µg/Kg	10
1,2,3-Trichloropropane		<0.504	µg/Kg	10
Isopropylbenzene		<1.30	µg/Kg	10
Bromobenzene		<0.480	µg/Kg	10
n-Propylbenzene		<0.421	µg/Kg	10
1,3,5-Trimethylbenzene		<2.10	µg/Kg	10
tert-Butylbenzene		<0.410	µg/Kg	10
1,2,4-Trimethylbenzene		<0.535	µg/Kg	10
1,4-Dichlorobenzene (para)		<0.387	µg/Kg	10
sec-Butylbenzene		<0.632	µg/Kg	10
1,3-Dichlorobenzene (meta)		<0.534	µg/Kg	10
p-Isopropyltoluene		<0.679	µg/Kg	10
4-Chlorotoluene		<0.675	µg/Kg	10
1,2-Dichlorobenzene (ortho)		<0.475	µg/Kg	10
n-Butylbenzene		<0.979	µg/Kg	10
1,2-Dibromo-3-chloropropane		<0.883	µg/Kg	50
1,2,3-Trichlorobenzene		<3.64	µg/Kg	50
1,2,4-Trichlorobenzene		<2.28	µg/Kg	50
Naphthalene		<4.41	µg/Kg	50
Hexachlorobutadiene		<3.24	µg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		492	µg/Kg	1	500	98	42 - 129
Toluene-d8		517	µg/Kg	1	500	103	93 - 107
4-Bromofluorobenzene (4-BFB)		520	µg/Kg	1	500	104	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 31932 Date Analyzed: 2006-11-13 Analyzed By: JG
Prep Batch: 27808 QC Preparation: 2006-11-13 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	47.8	µg/L	1	50.0	<0.0736	96	83.4 - 114
Benzene	51.1	µg/L	1	50.0	<0.0495	102	83.5 - 115
Trichloroethene (TCE)	53.5	µg/L	1	50.0	<0.0495	107	91.3 - 111
Toluene	51.3	µg/L	1	50.0	<0.0736	103	82 - 110
Chlorobenzene	50.9	µg/L	1	50.0	<0.0217	102	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	48.5	µg/L	1	50.0	<0.0736	97	83.4 - 114	1	20
Benzene	50.8	µg/L	1	50.0	<0.0495	102	83.5 - 115	1	20
Trichloroethene (TCE)	53.4	µg/L	1	50.0	<0.0495	107	91.3 - 111	0	20
Toluene	51.3	µg/L	1	50.0	<0.0736	103	82 - 110	0	20
Chlorobenzene	51.8	µg/L	1	50.0	<0.0217	104	87.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.3	51.0	µg/L	1	50.0	101	102	82.4 - 115
Toluene-d8	50.5	50.8	µg/L	1	50.0	101	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.4	49.8	µg/L	1	50.0	99	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 32036 Date Analyzed: 2006-11-14 Analyzed By: JG
Prep Batch: 27910 QC Preparation: 2006-11-14 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	496	µg/Kg	1	500	<0.639	99	76.9 - 114
Benzene	512	µg/Kg	1	500	<0.644	102	79.7 - 113
Trichloroethene (TCE)	533	µg/Kg	1	500	<0.836	107	84.2 - 119
Toluene	511	µg/Kg	1	500	<1.12	102	82 - 110
Chlorobenzene	512	µg/Kg	1	500	<0.426	102	85.9 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	485	µg/Kg	1	500	<0.639	97	76.9 - 114	2	20
Benzene	512	µg/Kg	1	500	<0.644	102	79.7 - 113	0	20
Trichloroethene (TCE)	537	µg/Kg	1	500	<0.836	107	84.2 - 119	1	20
Toluene	512	µg/Kg	1	500	<1.12	102	82 - 110	0	20
Chlorobenzene	511	µg/Kg	1	500	<0.426	102	85.9 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	501	495	µg/Kg	1	500	100	99	87 - 108
Toluene-d8	506	500	µg/Kg	1	500	101	100	92.3 - 106
4-Bromofluorobenzene (4-BFB)	500	491	µg/Kg	1	500	100	98	83.4 - 117

Matrix Spike (MS-1) Spiked Sample: 108203

QC Batch: 31932 Date Analyzed: 2006-11-13 Analyzed By: JG
Prep Batch: 27808 QC Preparation: 2006-11-13 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	45.6	µg/L	1	50.0	<0.0736	91	78.7 - 119
Benzene	48.0	µg/L	1	50.0	<0.0495	96	75.8 - 125
Trichloroethene (TCE)	50.7	µg/L	1	50.0	<0.0495	101	83.6 - 112
Toluene	48.4	µg/L	1	50.0	<0.0736	97	81.6 - 115
Chlorobenzene	48.9	µg/L	1	50.0	<0.0217	98	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	46.6	µg/L	1	50.0	<0.0736	93	78.7 - 119	2	20
Benzene	50.4	µg/L	1	50.0	<0.0495	101	75.8 - 125	5	20
Trichloroethene (TCE)	53.1	µg/L	1	50.0	<0.0495	106	83.6 - 112	5	20
Toluene	50.5	µg/L	1	50.0	<0.0736	101	81.6 - 115	4	20
Chlorobenzene	50.9	µg/L	1	50.0	<0.0217	102	83.9 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	50.5	50.2	µg/L	1	50	101	100	86.6 - 114
Toluene-d8	50.5	50.5	µg/L	1	50	101	101	91 - 109
4-Bromofluorobenzene (4-BFB)	49.6	50.0	µg/L	1	50	99	100	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 108198

QC Batch: 32036 Date Analyzed: 2006-11-14 Analyzed By: JG
Prep Batch: 27910 QC Preparation: 2006-11-14 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76.1 - 115
Benzene	498	µg/Kg	1	500	<0.644	100	82.1 - 110
Trichloroethene (TCE)	529	µg/Kg	1	500	<0.836	106	75.5 - 129
Toluene	501	µg/Kg	1	500	<1.12	100	82.3 - 108
Chlorobenzene	503	µg/Kg	1	500	<0.426	101	84.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	489	µg/Kg	1	500	<0.639	98	76.1 - 115	4	20
Benzene	507	µg/Kg	1	500	<0.644	101	82.1 - 110	2	20
Trichloroethene (TCE)	541	µg/Kg	1	500	<0.836	108	75.5 - 129	2	20
Toluene	512	µg/Kg	1	500	<1.12	102	82.3 - 108	2	20
Chlorobenzene	510	µg/Kg	1	500	<0.426	102	84.1 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	499	497	µg/Kg	1	500	100	99	87.9 - 105
Toluene-d8	500	502	µg/Kg	1	500	100	100	90.2 - 109

continued . . .

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	491	489	µg/Kg	1	500	98	98	82.9 - 116

Standard (CCV-1)

QC Batch: 31932 Date Analyzed: 2006-11-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	44.6	89	80 - 120	2006-11-13
1,1-Dichloroethene		µg/L	50.0	48.8	98	80 - 120	2006-11-13
Chloroform		µg/L	50.0	51.4	103	80 - 120	2006-11-13
1,2-Dichloropropane		µg/L	50.0	50.9	102	80 - 120	2006-11-13
Toluene		µg/L	50.0	49.8	100	80 - 120	2006-11-13
Chlorobenzene		µg/L	50.0	50.4	101	80 - 120	2006-11-13
Ethylbenzene		µg/L	50.0	50.3	101	80 - 120	2006-11-13

Standard (CCV-1)

QC Batch: 32036 Date Analyzed: 2006-11-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	42.4	85	80 - 120	2006-11-14
1,1-Dichloroethene		µg/Kg	50.0	47.2	94	80 - 120	2006-11-14
Chloroform		µg/Kg	50.0	51.2	102	80 - 120	2006-11-14
1,2-Dichloropropane		µg/Kg	50.0	51.0	102	80 - 120	2006-11-14
Toluene		µg/Kg	50.0	49.9	100	80 - 120	2006-11-14
Chlorobenzene		µg/Kg	50.0	49.9	100	80 - 120	2006-11-14
Ethylbenzene		µg/Kg	50.0	49.4	99	80 - 120	2006-11-14

Standard (CCV-2)

QC Batch: 32036 Date Analyzed: 2006-11-14 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	43.1	86	80 - 120	2006-11-14
1,1-Dichloroethene		µg/Kg	50.0	46.9	94	80 - 120	2006-11-14
Chloroform		µg/Kg	50.0	52.0	104	80 - 120	2006-11-14
1,2-Dichloropropane		µg/Kg	50.0	52.2	104	80 - 120	2006-11-14
Toluene		µg/Kg	50.0	50.4	101	80 - 120	2006-11-14
Chlorobenzene		µg/Kg	50.0	49.7	99	80 - 120	2006-11-14
Ethylbenzene		µg/Kg	50.0	48.7	97	80 - 120	2006-11-14

Analytical and Quality Control Report

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Report Date: December 13, 2006

Work Order: 6110818

Project Name: HELSTF Phase III Soil Sampling
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
108191	HLSF-0085-SB-026(10.0-11.0)	soil	2006-11-06	09:05	2006-11-07
108192	HLSF-0085-SB-026(20.0-21.0)	soil	2006-11-06	09:30	2006-11-07
108193	HLSF-0085-SB-026(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108194	HLSF-0085-SB-126(30.0-32.0)	soil	2006-11-06	09:50	2006-11-07
108195	HLSF-0085-SB-026(40.0-41.0)	soil	2006-11-06	10:10	2006-11-07
108196	HLSF-0085-SB-026(49.0-50.0)	soil	2006-11-06	10:40	2006-11-07
108197	HLSF-0085-SB-024(10.0-11.0)	soil	2006-11-06	13:25	2006-11-07
108198	HLSF-0085-SB-024(20.0-21.0)	soil	2006-11-06	13:40	2006-11-07
108199	HLSF-0085-SB-024(30.0-31.0)	soil	2006-11-06	14:05	2006-11-07
108200	HLSF-0085-SB-024(40.0-41.0)	soil	2006-11-06	14:25	2006-11-07
108201	HLSF-0085-SB-024(49.0-50.0)	soil	2006-11-06	14:40	2006-11-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 108191 - HLSF-0085-SB-026(10.0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		146	mg/Kg	1	150	97	50 - 150

Sample: 108192 - HLSF-0085-SB-026(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		155	mg/Kg	1	150	103	50 - 150

Sample: 108193 - HLSF-0085-SB-026(30.0-32.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		168	mg/Kg	1	150	112	50 - 150

Sample: 108194 - HLSF-0085-SB-126(30.0-32.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		148	mg/Kg	1	150	99	50 - 150

Sample: 108195 - HLSF-0085-SB-026(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		155	mg/Kg	1	150	103	50 - 150

Sample: 108196 - HLSF-0085-SB-026(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31679	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Sample: 108197 - HLSF-0085-SB-024(10.0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31680	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		154	mg/Kg	1	150	103	50 - 150

Sample: 108198 - HLSF-0085-SB-024(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31680	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		155	mg/Kg	1	150	103	50 - 150

Sample: 108199 - HLSF-0085-SB-024(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31680	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Sample: 108200 - HLSF-0085-SB-024(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31680	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Sample: 108201 - HLSF-0085-SB-024(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31680	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27597	Sample Preparation:	2006-11-08	Prepared By:	SP

continued . . .

sample 108201 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Method Blank (1) QC Batch: 31679

QC Batch: 31679 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Method Blank (1) QC Batch: 31680

QC Batch: 31680 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 31679 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	228	mg/Kg	1	250	<10.7	91	62.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	231	mg/Kg	1	250	<10.7	92	62.4 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	144	145	mg/Kg	1	150	96	97	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 31680 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	267	mg/Kg	1	250	<10.7	107	62.4 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	236	mg/Kg	1	250	<10.7	94	62.4 - 111	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	171	149	mg/Kg	1	150	114	99	50 - 150

Matrix Spike (MS-1) Spiked Sample: 108180

QC Batch: 31679 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	219	mg/Kg	1	250	<10.7	88	60.1 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	221	mg/Kg	1	250	<10.7	88	60.1 - 107	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	145	145	mg/Kg	1	150	97	97	50 - 150

Matrix Spike (MS-1) Spiked Sample: 108199

QC Batch: 31680 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27597 QC Preparation: 2006-11-08 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	236	mg/Kg	1	250	<10.7	94	60.1 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	222	mg/Kg	1	250	<10.7	89	60.1 - 107	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	156	147	mg/Kg	1	150	104	98	50 - 150

Standard (CCV-1)

QC Batch: 31679 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	234	94	85 - 115	2006-11-08

Standard (CCV-2)

QC Batch: 31679 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	85 - 115	2006-11-08

Standard (ICV-1)

QC Batch: 31680 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	231	92	85 - 115	2006-11-08

Standard (CCV-1)

QC Batch: 31680 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	234	94	85 - 115	2006-11-08