Analytical and Quality Control Report

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Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Copper		**6.78**		mg/Kg	1	0.500

Sample: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**274**		mg/Kg	1	0.500

Sample: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Phosphorous		**73.7**		mg/Kg	1	2.00

Sample: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	Sample Preparation:	2006-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.0500		mg/Kg	1	0.0500
Total Arsenic		<2.00		mg/Kg	1	2.00
Total Barium		**31.3**		mg/Kg	1	1.00
Total Cadmium		<0.100		mg/Kg	1	0.100
Total Chromium		**8.04**		mg/Kg	1	0.500
Total Mercury		<0.0400		mg/Kg	1	0.0400
Total Lead		**13.9**		mg/Kg	1	1.00

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sample 109088 continued . . .

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

Sample: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**29.4**	mg/Kg	1	2.00

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		**5.66**	mg/Kg	1	0.500

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**473**	mg/Kg	1	0.500

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**162**	mg/Kg	1	2.00

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	Sample Preparation:	2006-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.0500		mg/Kg	1	0.0500
Total Arsenic		<2.00		mg/Kg	1	2.00
Total Barium		**16.2**		mg/Kg	1	1.00
Total Cadmium		<0.100		mg/Kg	1	0.100
Total Chromium		**8.20**		mg/Kg	1	0.500
Total Mercury		<0.0400		mg/Kg	1	0.0400
Total Lead		**16.1**		mg/Kg	1	1.00
Total Selenium		<1.00		mg/Kg	1	1.00

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc	*B*	**20.2**		mg/Kg	1	2.00

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Copper		**7.71**		mg/Kg	1	0.500

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**2990**		mg/Kg	1	0.500

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**202**	mg/Kg	1	2.00

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	Sample Preparation:	2006-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		**3.88**	mg/Kg	1	2.00
Total Barium		**62.0**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**9.83**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**19.6**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**26.8**	mg/Kg	1	2.00

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		**12.1**	mg/Kg	1	0.500

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**4210**	mg/Kg	1	0.500

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**277**	mg/Kg	1	2.00

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	Sample Preparation:	2006-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**91.1**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		**15.5**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**30.0**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**44.7**	mg/Kg	1	2.00

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Copper		**11.4**		mg/Kg	1	0.500

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**4060**		mg/Kg	1	0.500

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Phosphorous		**259**		mg/Kg	1	2.00

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	Sample Preparation:	2006-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.0500		mg/Kg	1	0.0500
Total Arsenic		<2.00		mg/Kg	1	2.00
Total Barium		**56.0**		mg/Kg	1	1.00
Total Cadmium		<0.100		mg/Kg	1	0.100
Total Chromium		**13.1**		mg/Kg	1	0.500
Total Mercury		<0.0400		mg/Kg	1	0.0400
Total Lead		**24.7**		mg/Kg	1	1.00
Total Selenium		<1.00		mg/Kg	1	1.00

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**43.8**	mg/Kg	1	2.00

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**2.70**	mg/Kg	1	0.500

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**567**	mg/Kg	1	0.500

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**43.8**	mg/Kg	1	2.00

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**2.90**	mg/Kg	1	1.00

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc	B	**4.42**	mg/Kg	1	2.00

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**8.13**	mg/Kg	1	0.500

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**816**	mg/Kg	1	0.500

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**173**	mg/Kg	1	2.00

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		**16.3**	mg/Kg	1	1.00

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc	B	**22.1**	mg/Kg	1	2.00

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**13.0**	mg/Kg	1	0.500

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**1540**	mg/Kg	1	0.500

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**270**	mg/Kg	1	2.00

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		**26.3**	mg/Kg	1	1.00

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc		**46.7**	mg/Kg	1	2.00

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**4.30**	mg/Kg	1	0.500

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**920**	mg/Kg	1	0.500

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**168**	mg/Kg	1	2.00

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		**7.61**	mg/Kg	1	1.00

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc	B	**14.5**		mg/Kg	1	2.00

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Chromium		**4.67**		mg/Kg	1	0.500

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**766**		mg/Kg	1	0.500

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Phosphorous		**207**		mg/Kg	1	2.00

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Lead		**8.21**		mg/Kg	1	1.00

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Zinc	B	**14.2**	mg/Kg	1	2.00

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32286	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		**5.06**	mg/Kg	1	0.500

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32288	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**990**	mg/Kg	1	0.500

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32286	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		**161**	mg/Kg	1	2.00

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32286	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		**9.97**	mg/Kg	1	1.00

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32286	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	Sample Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**14.1**	mg/Kg	1	2.00

Method Blank (1) QC Batch: 32033

QC Batch:	32033	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27906	QC Preparation:	2006-11-17	Prepared By:	TP

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

Method Blank (1) QC Batch: 32285

QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	QC Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.0125	mg/Kg	0.5

Method Blank (1) QC Batch: 32285

QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	QC Preparation:	2006-11-27	Prepared By:	TS

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

Method Blank (1) QC Batch: 32285

QC Batch:	32285	Date Analyzed:	2006-11-28	Analyzed By:	RR
Prep Batch:	28105	QC Preparation:	2006-11-27	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		2.56	mg/Kg	2

Method Blank (1) QC Batch: 32285

QC Batch: 32285
Prep Batch: 28105
Date Analyzed: 2006-11-28
QC Preparation: 2006-11-27
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.367	mg/Kg	1

Method Blank (1) QC Batch: 32285

QC Batch: 32285
Prep Batch: 28105
Date Analyzed: 2006-11-28
QC Preparation: 2006-11-27
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		2.59	mg/Kg	2

Method Blank (1) QC Batch: 32285

QC Batch: 32285
Prep Batch: 28105
Date Analyzed: 2006-11-28
QC Preparation: 2006-11-27
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: 32286

QC Batch: 32286
Prep Batch: 28105
Date Analyzed: 2006-11-28
QC Preparation: 2006-11-27
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.0125	mg/Kg	0.5

Method Blank (1) QC Batch: 32286

QC Batch: 32286
Prep Batch: 28105
Date Analyzed: 2006-11-28
QC Preparation: 2006-11-27
Analyzed By: RR
Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		2.56	mg/Kg	2

Method Blank (1) QC Batch: 32286

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.367	mg/Kg	1

Method Blank (1) QC Batch: 32286

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		2.59	mg/Kg	2

Method Blank (1) QC Batch: 32288

QC Batch: 32288 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		3.97	mg/Kg	0.5

Laboratory Control Spike (LCS-1)

QC Batch: 32033 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27906 QC Preparation: 2006-11-17 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.497	mg/Kg	1	0.500	<0.00299	99	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	0.480	mg/Kg	1	0.500	<0.00299	96	85.2 - 118	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: 32285 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	9.48	mg/Kg	1	10.0	<0.0125	95	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 Chromium	9.32	mg/Kg	1	10.0	<0.0125	93	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: 32285 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	10.7	mg/Kg	1	12.5	<0.0268	86	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	11.2	mg/Kg	1	12.5	<0.0268	90	85 - 115	5	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: 32285 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	46.6	mg/Kg	1	50.0	2.56	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	46.3	mg/Kg	1	50.0	2.56	87	85 - 115	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: 32285 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	44.9	mg/Kg	1	50.0	<0.367	90	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 Lead	45.3	mg/Kg	1	50.0	<0.367	91	85 - 115	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: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	23.8	mg/Kg	1	25.0	2.59	85	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	24.6	mg/Kg	1	25.0	2.59	88	85 - 115	3	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: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.00444	91	85 - 113
Total Arsenic	43.4	mg/Kg	1	50.0	<0.228	87	85 - 111
Total Barium	86.2	mg/Kg	1	100	<0.0601	86	85 - 103
Total Cadmium	21.2	mg/Kg	1	25.0	<0.00794	85	85 - 115
Total Chromium	9.48	mg/Kg	1	10.0	<0.0125	95	85 - 115
Total Lead	44.9	mg/Kg	1	50.0	<0.367	90	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	3	20
Total Arsenic	43.6	mg/Kg	1	50.0	<0.228	87	85 - 111	0	20
Total Barium	89.6	mg/Kg	1	100	<0.0601	90	85 - 103	4	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.00794	89	85 - 115	5	20
Total Chromium	9.32	mg/Kg	1	10.0	<0.0125	93	85 - 115	2	20
Total Lead	45.3	mg/Kg	1	50.0	<0.367	91	85 - 115	1	20
Total Selenium	43.5	mg/Kg	1	50.0	<0.0767	87	75 - 125	8	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: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	9.48	mg/Kg	1	10.0	<0.0125	95	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 Chromium	9.32	mg/Kg	1	10.0	<0.0125	93	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: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	46.6	mg/Kg	1	50.0	2.56	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	46.3	mg/Kg	1	50.0	2.56	87	85 - 115	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: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	44.9	mg/Kg	1	50.0	<0.367	90	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 Lead	45.3	mg/Kg	1	50.0	<0.367	91	85 - 115	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: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	23.8	mg/Kg	1	25.0	2.59	85	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	24.6	mg/Kg	1	25.0	2.59	88	85 - 115	3	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: 32288 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4550	mg/Kg	1	5000	3.97	91	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	4520	mg/Kg	1	5000	3.97	90	85 - 168.5	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: 108392

QC Batch: 32033 | Date Analyzed: 2006-11-17 | Analyzed By: TP
Prep Batch: 27906 | QC Preparation: 2006-11-17 | Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.415	mg/Kg	1	0.500	<0.00299	83	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	0.451	mg/Kg	1	0.500	<0.00299	90	77.6 - 124	8	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: 109089

QC Batch: 32285 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	18.7	mg/Kg	1	10.0	8.2	105	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 Chromium	18.1	mg/Kg	1	10.0	8.2	99	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: 109089

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	16.2	mg/Kg	1	12.5	5.66	84	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	16.0	mg/Kg	1	12.5	5.66	83	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: 109089

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	217	mg/Kg	1	50.0	162	110	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	200	mg/Kg	1	50.0	162	76	75 - 125	8	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: 109089

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	55.3	mg/Kg	1	50.0	16.1	78	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 Lead	55.0	mg/Kg	1	50.0	16.1	78	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: 109089

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	43.3	mg/Kg	1	25.0	20.2	92	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	42.4	mg/Kg	1	25.0	20.2	89	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: 109089

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.00444	87	78.1 - 115
Total Arsenic	43.6	mg/Kg	1	50.0	<0.228	87	75 - 114
Total Barium	108	mg/Kg	1	100	16.2	92	75.7 - 123
Total Cadmium	22.5	mg/Kg	1	25.0	<0.00794	90	75 - 112
Total Chromium	18.7	mg/Kg	1	10.0	8.2	105	75 - 125
Total Lead	55.3	mg/Kg	1	50.0	16.1	78	75 - 125
Total Selenium	39.6	mg/Kg	1	50.0	<0.0767	79	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	12.5	<0.00444	88	78.1 - 115	1	20
Total Arsenic	43.8	mg/Kg	1	50.0	<0.228	88	75 - 114	0	20
Total Barium	116	mg/Kg	1	100	16.2	100	75.7 - 123	7	20
Total Cadmium	22.5	mg/Kg	1	25.0	<0.00794	90	75 - 112	0	20
Total Chromium	18.1	mg/Kg	1	10.0	8.2	99	75 - 125	3	20
Total Lead	55.0	mg/Kg	1	50.0	16.1	78	75 - 125	0	20
Total Selenium	40.0	mg/Kg	1	50.0	<0.0767	80	75 - 117	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: 109101

QC Batch: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	14.7	mg/Kg	1	10.0	5.06	96	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 Chromium	14.1	mg/Kg	1	10.0	5.06	90	75 - 125	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: 109101

QC Batch: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	210	mg/Kg	1	50.0	161	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 Phosphorous	200	mg/Kg	1	50.0	161	78	75 - 125	5	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: 109101

QC Batch: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	49.9	mg/Kg	1	50.0	9.97	80	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 Lead	49.1	mg/Kg	1	50.0	9.97	78	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: 109101

QC Batch: 32286 | Date Analyzed: 2006-11-28 | Analyzed By: RR
Prep Batch: 28105 | QC Preparation: 2006-11-27 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	36.5	mg/Kg	1	25.0	14.1	90	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	35.1	mg/Kg	1	25.0	14.1	84	75 - 125	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: 109089

QC Batch: 32288 Date Analyzed: 2006-11-28 Analyzed By: RR
Prep Batch: 28105 QC Preparation: 2006-11-27 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4880	mg/Kg	1	5000	473	88	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	4610	mg/Kg	1	5000	473	83	75 - 184.1	6	20

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

Standard (ICV-1)

QC Batch: 32033 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	0.00503	101	90 - 110	2006-11-17

Standard (CCV-1)

QC Batch: 32033 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	0.00479	96	80 - 120	2006-11-17

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	1.01	101	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	5.05	101	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	1.05	105	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	0.129	103	90 - 110	2006-11-28
Total Arsenic		mg/Kg	1.00	1.03	103	95 - 105	2006-11-28
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2006-11-28

continued ...

standard continued . . .

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2006-11-28
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2006-11-28
Total Selenium		mg/Kg	1.00	1.04	104	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	0.995	100	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	0.994	99	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	4.99	100	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	1.04	104	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32285 Date Analyzed: 2006-11-28 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	0.127	102	90 - 110	2006-11-28
Total Arsenic		mg/Kg	1.00	1.01	101	90 - 110	2006-11-28
Total Barium		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28
Total Cadmium		mg/Kg	1.00	0.995	100	90 - 110	2006-11-28
Total Chromium		mg/Kg	1.00	0.995	100	90 - 110	2006-11-28
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28
Total Selenium		mg/Kg	1.00	1.02	102	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 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	5.05	101	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 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	1.05	105	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 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	5.19	104	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/Kg	1.00	1.03	103	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32286 Date Analyzed: 2006-11-28 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	1.06	106	90 - 110	2006-11-28

Standard (ICV-1)

QC Batch: 32288 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	51.8	104	90 - 110	2006-11-28

Standard (CCV-1)

QC Batch: 32288 Date Analyzed: 2006-11-28 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/Kg	50.0	47.9	96	90 - 110	2006-11-28

Analytical and Quality Control Report

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

Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.33**	mg/Kg	10	0.100

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**0.641**	mg/Kg	2	0.100

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**38.7**	mg/Kg	200	0.100

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**32.2**	mg/Kg	200	0.100

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**9.56**	mg/Kg	50	0.100

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.01**	mg/Kg	10	0.100

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**0.415**	mg/Kg	2	0.100

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		< 0.10	mg/Kg	1	0.100

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32349	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28168	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**0.156**	mg/Kg	1	0.100

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32349	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28168	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.00**	mg/Kg	10	0.100

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	32349	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28168	Sample Preparation:	2006-11-27	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**3.28**	mg/Kg	25	0.100

Method Blank (1) QC Batch: 32348

QC Batch:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	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

Method Blank (1) QC Batch: 32349

QC Batch:	32349	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28168	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:	32348	Date Analyzed:	2006-11-28	Analyzed By:	JS
Prep Batch:	28167	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	0.171	mg/Kg	1	0.160	<0.0155	107	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	0.171	mg/Kg	1	0.160	<0.0155	107	85 - 115	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: 32349 Date Analyzed: 2006-11-28 Analyzed By: JS
Prep Batch: 28168 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	0.166	mg/Kg	1	0.160	<0.0155	104	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	0.172	mg/Kg	1	0.160	<0.0155	108	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: 108391

QC Batch: 32348 Date Analyzed: 2006-11-28 Analyzed By: JS
Prep Batch: 28167 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 [1]	24.3	mg/Kg	100	16.0	12.9	71	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	26.9	mg/Kg	100	16.0	12.9	88	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: 109098

QC Batch: 32349 Date Analyzed: 2006-11-28 Analyzed By: JS
Prep Batch: 28168 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 [2]	0.285	mg/Kg	1	0.160	0.156	81	85 - 115

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

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] 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	[3]	0.273	mg/Kg	1	0.160	0.156	73	85 - 115	4	20

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

Standard (ICV-1)

QC Batch: 32348 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	0.173	108	85 - 115	2006-11-28

Standard (CCV-1)

QC Batch: 32348 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	0.169	106	85 - 115	2006-11-28

Standard (ICV-1)

QC Batch: 32349 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	0.164	102	85 - 115	2006-11-28

Standard (CCV-1)

QC Batch: 32349 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	0.150	94	85 - 115	2006-11-28

[3]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: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**6.52**	%	1	0.00

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**2.62**	%	1	0.00

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**4.48**	%	1	0.00

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**6.24**	%	1	0.00

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**5.45**	%	1	0.00

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**6.07**	%	1	0.00

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**4.21**	%	1	0.00

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**5.27**	%	1	0.00

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32097	Date Analyzed:	2006-11-20	Analyzed By:	JS
Prep Batch:	27862	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
FOC		**0.901**	%	1	0.00

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32097	Date Analyzed:	2006-11-20	Analyzed By:	JS
Prep Batch:	27862	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.98**	%	1	0.00

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	32097	Date Analyzed:	2006-11-20	Analyzed By:	JS
Prep Batch:	27862	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.18**	%	1	0.00

Duplicates (1)

QC Batch:	32096	Date Analyzed:	2006-11-18	Analyzed By:	JS
Prep Batch:	27861	QC Preparation:	2006-11-16	Prepared By:	SM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	1.98	2.62	%	1	28	34

Duplicates (1)

QC Batch:	32097	Date Analyzed:	2006-11-20	Analyzed By:	JS
Prep Batch:	27862	QC Preparation:	2006-11-16	Prepared By:	SM

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	0.790	0.901	%	1	13	34

Analytical and Quality Control Report

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

Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	Sample Preparation:	2006-11-16	Prepared By:	SM

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

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32193	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27870	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: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32193	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27870	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: 32191

QC Batch:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	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: 32193

QC Batch:	32193	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27870	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:	32191	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27869	QC Preparation:	2006-11-16	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	32.1	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	31.5	mg/Kg	1	40.0	<2.32	79	77.3 - 119	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: 32193 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27870 QC Preparation: 2006-11-16 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	38.0	mg/Kg	1	40.0	<2.32	95	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	37.1	mg/Kg	1	40.0	<2.32	93	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: 109098

QC Batch: 32191 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27869 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium [1]	30.4	mg/Kg	1	40.0	<2.32	76	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]	31.0	mg/Kg	1	40.0	<2.32	78	85 - 115	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: 109101

QC Batch: 32193 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27870 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium [3]	32.3	mg/Kg	1	40.0	<2.32	81	85 - 115

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

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3] 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
Hexavalent Chromium	[4]	32.0	mg/Kg	1	40.0	<2.32	80	85 - 115	1	20

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

Standard (ICV-1)

QC Batch: 32191 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	0.527	105	85 - 115	2006-11-17

Standard (CCV-1)

QC Batch: 32191 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	0.532	106	85 - 115	2006-11-17

Standard (ICV-1)

QC Batch: 32193 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	0.532	106	85 - 115	2006-11-17

Standard (CCV-1)

QC Batch: 32193 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	0.494	99	85 - 115	2006-11-17

[4]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: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109099	HLSF-0085-SB-019(36.0-37.0)	soil	2006-11-13	14:55	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14
109102	HLSF-0085-TB-592	water	2006-11-13	08:45	2006-11-14

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This report consists of a total of 37 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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	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
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
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		<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		<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 109088 continued . . .

Parameter	Flag	Result	RL 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		467	µg/Kg	1	500	93	42 - 129
Toluene-d8		493	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		472	µg/Kg	1	500	94	78 - 120

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Isopropyl Alcohol		<200	µg/kg	1	200
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

continued . . .

sample 109089 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		<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		<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 109089 continued . . .

Parameter	Flag	Result	RL	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		469	µg/Kg	1	500	94	42 - 129
Toluene-d8		498	µg/Kg	1	500	100	93 - 107
4-Bromofluorobenzene (4-BFB)		478	µg/Kg	1	500	96	78 - 120

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	Prepared By:	JG

Parameter	Flag	Result	RL	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

continued . . .

sample 109090 continued . . .

Parameter	Flag	Result	RL	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		<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		<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 109090 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		469	µg/Kg	1	500	94	42 - 129
Toluene-d8		493	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		474	µg/Kg	1	500	95	78 - 120

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	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		<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 109091 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		<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		474	µg/Kg	1	500	95	42 - 129
Toluene-d8		494	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		471	µg/Kg	1	500	94	78 - 120

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	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
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Tert-butyl Alcohol		<200	µg/kg	1	200
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		<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 109092 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<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		474	µg/Kg	1	500	95	42 - 129
Toluene-d8		496	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		473	µg/Kg	1	500	95	78 - 120

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	Prepared By:	JG

Parameter	Flag	Result	RL	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
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		<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		<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 109093 continued . . .

Parameter	Flag	Result	RL	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		476	µg/Kg	1	500	95	42 - 129
Toluene-d8		496	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		474	µg/Kg	1	500	95	78 - 120

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	Prepared By:	JG

Parameter	Flag	Result	RL	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

continued . . .

sample 109094 continued . . .

Parameter	Flag	Result	RL	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		<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		<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		**124**		µg/Kg	1	10.0
Bromobenzene		<10.0		µg/Kg	1	10.0
n-Propylbenzene		**141**		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 109094 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
sec-Butylbenzene		**316**		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		**347**		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		483	µg/Kg	1	500	97	42 - 129
Toluene-d8		483	µg/Kg	1	500	97	93 - 107
4-Bromofluorobenzene (4-BFB)		490	µg/Kg	1	500	98	78 - 120

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32091	Date Analyzed:	2006-11-19	Analyzed By:	JG
Prep Batch:	27960	Sample Preparation:	2006-11-19	Prepared By:	JG

Parameter	Flag	Result	RL	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		<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 109095 continued . . .

Parameter	Flag	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		<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		**212**	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		**252**	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		**670**	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		**750**	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 109095 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		469	µg/Kg	1	500	94	42 - 129
Toluene-d8		481	µg/Kg	1	500	96	93 - 107
4-Bromofluorobenzene (4-BFB)		493	µg/Kg	1	500	99	78 - 120

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32280	Date Analyzed:	2006-11-21	Analyzed By:	JG
Prep Batch:	28111	Sample Preparation:	2006-11-21	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		<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 109098 continued . . .

Parameter	Flag	Result	RL	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		<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		**14.9**		µg/Kg	1	10.0
Bromoform		<10.0		µg/Kg	1	10.0
Styrene		<10.0		µg/Kg	1	10.0
o-Xylene		**31.1**		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		**30.2**		µg/Kg	1	10.0
Bromobenzene		<10.0		µg/Kg	1	10.0
n-Propylbenzene		**26.1**		µg/Kg	1	10.0
1,3,5-Trimethylbenzene		**736**		µg/Kg	1	10.0
tert-Butylbenzene		<10.0		µg/Kg	1	10.0
1,2,4-Trimethylbenzene		**1620**		µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0		µg/Kg	1	10.0
sec-Butylbenzene		**554**		µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0		µg/Kg	1	10.0
p-Isopropyltoluene		**362**		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		**367**		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		513	µg/Kg	1	500	103	42 - 129
Toluene-d8		512	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		567	µg/Kg	1	500	113	78 - 120

Sample: 109099 - HLSF-0085-SB-019(36.0-37.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32280	Date Analyzed:	2006-11-21	Analyzed By:	JG
Prep Batch:	28111	Sample Preparation:	2006-11-21	Prepared By:	JG

Parameter	Flag	Result	RL Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
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		<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		<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

continued . . .

sample 109099 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
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		**24.7**		µg/Kg	1	10.0
Bromobenzene		<10.0		µg/Kg	1	10.0
n-Propylbenzene		**37.3**		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		**466**		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		**763**		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		**1560**		µg/Kg	1	50.0
Hexachlorobutadiene		<50.0		µg/Kg	1	50.0
Isopropyl Alcohol		<200		µg/kg	1	200
Tert-butyl Alcohol		<200		µg/kg	1	200
1,4-Dioxane		<500		µg/kg	1	500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		484	µg/Kg	1	500	97	42 - 129
Toluene-d8		504	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		531	µg/Kg	1	500	106	78 - 120

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32248	Date Analyzed:	2006-11-20	Analyzed By:	JG
Prep Batch:	28078	Sample Preparation:	2006-11-20	Prepared By:	JG

Parameter	Flag	Result	RL	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

continued . . .

sample 109100 continued . . .

Parameter	Flag	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		<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		<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 109100 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		465	µg/Kg	1	500	93	42 - 129
Toluene-d8		484	µg/Kg	1	500	97	93 - 107
4-Bromofluorobenzene (4-BFB)		474	µg/Kg	1	500	95	78 - 120

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32248	Date Analyzed:	2006-11-20	Analyzed By:	JG
Prep Batch:	28078	Sample Preparation:	2006-11-20	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
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

continued . . .

sample 109101 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
trans 1,4-Dichloro-2-butene		<100		µg/Kg	1	100
1,1-Dichloroethene		<10.0		µg/Kg	1	10.0
Methylene chloride		<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		<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

continued . . .

sample 109101 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
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		462	µg/Kg	1	500	92	42 - 129
Toluene-d8		488	µg/Kg	1	500	98	93 - 107
4-Bromofluorobenzene (4-BFB)		479	µg/Kg	1	500	96	78 - 120

Sample: 109102 - HLSF-0085-TB-592

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32087	Date Analyzed:	2006-11-18	Analyzed By:	JG
Prep Batch:	27956	Sample Preparation:	2006-11-18	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
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<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

continued . . .

sample 109102 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
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		<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		<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		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<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
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		50.5	µg/L	1	50.0	101	82.4 - 115

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.9	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 32087

QC Batch: 32087 Date Analyzed: 2006-11-18 Analyzed By: JG
Prep Batch: 27956 QC Preparation: 2006-11-18 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		1.14	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	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		0.0700	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
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		0.130	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	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		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	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		41.4	µg/L	1	50.0	83	82.4 - 115
Toluene-d8		51.3	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.7	µg/L	1	50.0	101	84.6 - 114

Method Blank (1) QC Batch: 32091

QC Batch: 32091 Date Analyzed: 2006-11-19 Analyzed By: JG
Prep Batch: 27960 QC Preparation: 2006-11-19 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.825	µg/Kg	10
Isopropyl Alcohol		<85.5	µg/kg	200

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		4.93	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		1.12	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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		0.850	µg/Kg	10
1,4-Dichlorobenzene (para)		0.640	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		472	µg/Kg	1	500	94	42 - 129
Toluene-d8		494	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		486	µg/Kg	1	500	97	78 - 120

Method Blank (1) QC Batch: 32248

QC Batch: 32248 Date Analyzed: 2006-11-20 Analyzed By: JG
Prep Batch: 28078 QC Preparation: 2006-11-20 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Isopropyl Alcohol		<85.5	µg/kg	200
Bromochloromethane		<0.825	µg/Kg	10
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		<1.19	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		1.36	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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		456	µg/Kg	1	500	91	42 - 129
Toluene-d8		495	µg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		478	µg/Kg	1	500	96	78 - 120

Method Blank (1) QC Batch: 32280

QC Batch: 32280 Date Analyzed: 2006-11-21 Analyzed By: JG
Prep Batch: 28111 QC Preparation: 2006-11-21 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.825	µg/Kg	10
Isopropyl Alcohol		<85.5	µg/kg	200
Tert-butyl Alcohol		<88.1	µg/kg	200
Dichlorodifluoromethane		<0.889	µg/Kg	10
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		17.4	µg/Kg	50
MTBE		<0.362	µg/Kg	10
trans-1,2-Dichloroethene		0.490	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		4.44	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
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		486	µg/Kg	1	500	97	42 - 129
Toluene-d8		518	µg/Kg	1	500	104	93 - 107
4-Bromofluorobenzene (4-BFB)		539	µg/Kg	1	500	108	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 32087
Prep Batch: 27956
Date Analyzed: 2006-11-18
QC Preparation: 2006-11-18
Analyzed By: JG
Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	42.9	µg/L	1	50.0	<0.0736	86	83.4 - 114
Benzene	48.2	µg/L	1	50.0	<0.0495	96	83.5 - 115
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	91.3 - 111
Toluene	48.2	µg/L	1	50.0	<0.0736	96	82 - 110
Chlorobenzene	48.1	µg/L	1	50.0	<0.0217	96	87.9 - 109

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	43.6	µg/L	1	50.0	<0.0736	87	83.4 - 114	2	20
Benzene	48.7	µg/L	1	50.0	<0.0495	97	83.5 - 115	1	20
Trichloroethene (TCE)	52.1	µg/L	1	50.0	<0.0495	104	91.3 - 111	1	20
Toluene	48.7	µg/L	1	50.0	<0.0736	97	82 - 110	1	20
Chlorobenzene	49.0	µg/L	1	50.0	<0.0217	98	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	48.3	48.8	µg/L	1	50.0	97	98	82.4 - 115
Toluene-d8	48.7	48.6	µg/L	1	50.0	97	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	46.4	46.7	µg/L	1	50.0	93	93	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 32091
Prep Batch: 27960
Date Analyzed: 2006-11-19
QC Preparation: 2006-11-19
Analyzed By: JG
Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	443	µg/Kg	1	500	<0.639	89	76.9 - 114
Benzene	486	µg/Kg	1	500	<0.644	97	79.7 - 113
Trichloroethene (TCE)	540	µg/Kg	1	500	<0.836	108	84.2 - 119
Toluene	485	µg/Kg	1	500	<1.12	97	82 - 110
Chlorobenzene	490	µg/Kg	1	500	<0.426	98	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	437	µg/Kg	1	500	<0.639	87	76.9 - 114	1	20
Benzene	482	µg/Kg	1	500	<0.644	96	79.7 - 113	1	20
Trichloroethene (TCE)	536	µg/Kg	1	500	<0.836	107	84.2 - 119	1	20
Toluene	479	µg/Kg	1	500	<1.12	96	82 - 110	1	20
Chlorobenzene	486	µg/Kg	1	500	<0.426	97	85.9 - 110	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
Dibromofluoromethane	480	477	µg/Kg	1	500	96	95	87 - 108
Toluene-d8	474	474	µg/Kg	1	500	95	95	92.3 - 106
4-Bromofluorobenzene (4-BFB)	458	456	µg/Kg	1	500	92	91	83.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 32248 Date Analyzed: 2006-11-20 Analyzed By: JG
Prep Batch: 28078 QC Preparation: 2006-11-20 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	412	µg/Kg	1	500	<0.639	82	76.9 - 114
Benzene	451	µg/Kg	1	500	<0.644	90	79.7 - 113
Trichloroethene (TCE)	499	µg/Kg	1	500	<0.836	100	84.2 - 119
Toluene	452	µg/Kg	1	500	<1.12	90	82 - 110
Chlorobenzene	455	µg/Kg	1	500	<0.426	91	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	416	µg/Kg	1	500	<0.639	83	76.9 - 114	1	20
Benzene	472	µg/Kg	1	500	<0.644	94	79.7 - 113	5	20
Trichloroethene (TCE)	513	µg/Kg	1	500	<0.836	103	84.2 - 119	3	20
Toluene	472	µg/Kg	1	500	<1.12	94	82 - 110	4	20
Chlorobenzene	475	µg/Kg	1	500	<0.426	95	85.9 - 110	4	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	483	473	µg/Kg	1	500	97	95	87 - 108
Toluene-d8	482	481	µg/Kg	1	500	96	96	92.3 - 106
4-Bromofluorobenzene (4-BFB)	460	462	µg/Kg	1	500	92	92	83.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 32280 Date Analyzed: 2006-11-21 Analyzed By: JG
Prep Batch: 28111 QC Preparation: 2006-11-21 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	518	µg/Kg	1	500	<0.639	104	76.9 - 114
Benzene	512	µg/Kg	1	500	<0.644	102	79.7 - 113
Trichloroethene (TCE)	525	µg/Kg	1	500	<0.836	105	84.2 - 119
Toluene	460	µg/Kg	1	500	<1.12	92	82 - 110
Chlorobenzene	509	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	516	µg/Kg	1	500	<0.639	103	76.9 - 114	0	20
Benzene	516	µg/Kg	1	500	<0.644	103	79.7 - 113	1	20
Trichloroethene (TCE)	537	µg/Kg	1	500	<0.836	107	84.2 - 119	2	20
Toluene	474	µg/Kg	1	500	<1.12	95	82 - 110	3	20
Chlorobenzene	520	µg/Kg	1	500	<0.426	104	85.9 - 110	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	500	495	µg/Kg	1	500	100	99	87 - 108
Toluene-d8	498	494	µg/Kg	1	500	100	99	92.3 - 106
4-Bromofluorobenzene (4-BFB)	499	505	µg/Kg	1	500	100	101	83.4 - 117

Matrix Spike (MS-1) Spiked Sample: 109077

QC Batch: 32087
Prep Batch: 27956
Date Analyzed: 2006-11-18
QC Preparation: 2006-11-18
Analyzed By: JG
Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	44.9	µg/L	1	50.0	<0.0736	90	78.7 - 119
Benzene	49.8	µg/L	1	50.0	<0.0495	100	75.8 - 125
Trichloroethene (TCE)	51.5	µg/L	1	50.0	<0.0495	103	83.6 - 112
Toluene	49.6	µg/L	1	50.0	<0.0736	99	81.6 - 115
Chlorobenzene	48.8	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	47.1	µg/L	1	50.0	<0.0736	94	78.7 - 119	5	20
Benzene	51.3	µg/L	1	50.0	<0.0495	103	75.8 - 125	3	20
Trichloroethene (TCE)	53.4	µg/L	1	50.0	<0.0495	107	83.6 - 112	4	20
Toluene	51.1	µg/L	1	50.0	<0.0736	102	81.6 - 115	3	20
Chlorobenzene	50.4	µg/L	1	50.0	<0.0217	101	83.9 - 113	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
Dibromofluoromethane	50.0	49.5	µg/L	1	50	100	99	86.6 - 114
Toluene-d8	49.2	48.8	µg/L	1	50	98	98	91 - 109
4-Bromofluorobenzene (4-BFB)	47.5	47.4	µg/L	1	50	95	95	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 109088

QC Batch: 32091
Prep Batch: 27960
Date Analyzed: 2006-11-19
QC Preparation: 2006-11-19
Analyzed By: JG
Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	440	µg/Kg	1	500	<0.639	88	76.1 - 115
Benzene	485	µg/Kg	1	500	<0.644	97	82.1 - 110
Trichloroethene (TCE)	528	µg/Kg	1	500	<0.836	106	75.5 - 129
Toluene	485	µg/Kg	1	500	<1.12	97	82.3 - 108
Chlorobenzene	484	µg/Kg	1	500	<0.426	97	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	435	µg/Kg	1	500	<0.639	87	76.1 - 115	1	20
Benzene	483	µg/Kg	1	500	<0.644	97	82.1 - 110	0	20
Trichloroethene (TCE)	533	µg/Kg	1	500	<0.836	107	75.5 - 129	1	20
Toluene	481	µg/Kg	1	500	<1.12	96	82.3 - 108	1	20
Chlorobenzene	485	µg/Kg	1	500	<0.426	97	84.1 - 111	0	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	474	480	µg/Kg	1	500	95	96	87.9 - 105
Toluene-d8	469	472	µg/Kg	1	500	94	94	90.2 - 109
4-Bromofluorobenzene (4-BFB)	447	455	µg/Kg	1	500	89	91	82.9 - 116

Matrix Spike (MS-1) Spiked Sample: 109100

QC Batch: 32248 Date Analyzed: 2006-11-20 Analyzed By: JG
Prep Batch: 28078 QC Preparation: 2006-11-20 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	432	µg/Kg	1	500	<0.639	86	76.1 - 115
Benzene	485	µg/Kg	1	500	<0.644	97	82.1 - 110
Trichloroethene (TCE)	526	µg/Kg	1	500	<0.836	105	75.5 - 129
Toluene	480	µg/Kg	1	500	<1.12	96	82.3 - 108
Chlorobenzene	482	µg/Kg	1	500	<0.426	96	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	434	µg/Kg	1	500	<0.639	87	76.1 - 115	0	20
Benzene	469	µg/Kg	1	500	<0.644	94	82.1 - 110	3	20
Trichloroethene (TCE)	510	µg/Kg	1	500	<0.836	102	75.5 - 129	3	20
Toluene	467	µg/Kg	1	500	<1.12	93	82.3 - 108	3	20
Chlorobenzene	466	µg/Kg	1	500	<0.426	93	84.1 - 111	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
Dibromofluoromethane	477	480	µg/Kg	1	500	95	96	87.9 - 105
Toluene-d8	479	481	µg/Kg	1	500	96	96	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)	462	466	µg/Kg	1	500	92	93	82.9 - 116

Matrix Spike (MS-1) Spiked Sample: 109300

QC Batch: 32280 Date Analyzed: 2006-11-21 Analyzed By: JG
Prep Batch: 28111 QC Preparation: 2006-11-21 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	525	µg/Kg	1	500	<0.639	105	76.1 - 115
Benzene	538	µg/Kg	1	500	<0.644	108	82.1 - 110
Trichloroethene (TCE)	532	µg/Kg	1	500	<0.836	106	75.5 - 129
Toluene	491	µg/Kg	1	500	<1.12	98	82.3 - 108
Chlorobenzene	534	µg/Kg	1	500	<0.426	107	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	518	µg/Kg	1	500	<0.639	104	76.1 - 115	1	20
Benzene	531	µg/Kg	1	500	<0.644	106	82.1 - 110	1	20
Trichloroethene (TCE)	527	µg/Kg	1	500	<0.836	105	75.5 - 129	1	20
Toluene	485	µg/Kg	1	500	<1.12	97	82.3 - 108	1	20
Chlorobenzene	527	µg/Kg	1	500	<0.426	105	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	504	500	µg/Kg	1	500	101	100	87.9 - 105
Toluene-d8	508	503	µg/Kg	1	500	102	101	90.2 - 109
4-Bromofluorobenzene (4-BFB)	524	524	µg/Kg	1	500	105	105	82.9 - 116

Standard (CCV-1)

QC Batch: 32087 Date Analyzed: 2006-11-18 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	42.4	85	80 - 120	2006-11-18
1,1-Dichloroethene		µg/L	50.0	44.1	88	80 - 120	2006-11-18
Chloroform		µg/L	50.0	50.5	101	80 - 120	2006-11-18
1,2-Dichloropropane		µg/L	50.0	49.6	99	80 - 120	2006-11-18
Toluene		µg/L	50.0	47.7	95	80 - 120	2006-11-18
Chlorobenzene		µg/L	50.0	47.9	96	80 - 120	2006-11-18
Ethylbenzene		µg/L	50.0	46.2	92	80 - 120	2006-11-18

Standard (CCV-1)

QC Batch: 32091 Date Analyzed: 2006-11-19 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	40.0	80	80 - 120	2006-11-19
1,1-Dichloroethene		µg/Kg	50.0	45.5	91	80 - 120	2006-11-19
Chloroform		µg/Kg	50.0	51.8	104	80 - 120	2006-11-19
1,2-Dichloropropane		µg/Kg	50.0	50.8	102	80 - 120	2006-11-19
Toluene		µg/Kg	50.0	49.6	99	80 - 120	2006-11-19
Chlorobenzene		µg/Kg	50.0	49.7	99	80 - 120	2006-11-19
Ethylbenzene		µg/Kg	50.0	47.6	95	80 - 120	2006-11-19

Standard (CCV-1)

QC Batch: 32248 Date Analyzed: 2006-11-20 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	42.1	84	80 - 120	2006-11-20
1,1-Dichloroethene		µg/Kg	50.0	43.8	88	80 - 120	2006-11-20
Chloroform		µg/Kg	50.0	50.3	101	80 - 120	2006-11-20
1,2-Dichloropropane		µg/Kg	50.0	49.5	99	80 - 120	2006-11-20
Toluene		µg/Kg	50.0	48.1	96	80 - 120	2006-11-20
Chlorobenzene		µg/Kg	50.0	48.6	97	80 - 120	2006-11-20
Ethylbenzene		µg/Kg	50.0	45.7	91	80 - 120	2006-11-20

Standard (CCV-2)

QC Batch: 32280 Date Analyzed: 2006-11-21 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	50.7	101	80 - 120	2006-11-21
1,1-Dichloroethene		µg/Kg	50.0	51.3	103	80 - 120	2006-11-21
Chloroform		µg/Kg	50.0	51.6	103	80 - 120	2006-11-21
1,2-Dichloropropane		µg/Kg	50.0	53.1	106	80 - 120	2006-11-21
Toluene		µg/Kg	50.0	47.8	96	80 - 120	2006-11-21
Chlorobenzene		µg/Kg	50.0	51.9	104	80 - 120	2006-11-21
Ethylbenzene		µg/Kg	50.0	53.7	107	80 - 120	2006-11-21

Analytical and Quality Control Report

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

Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109099	HLSF-0085-SB-019(36.0-37.0)	soil	2006-11-13	14:55	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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 7 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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.782	mg/Kg	1	1.00	78	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.853	mg/Kg	1	1.00	85	21.8 - 188

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.468	mg/Kg	1	1.00	47	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.523	mg/Kg	1	1.00	52	21.8 - 188

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.902	mg/Kg	1	1.00	90	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.956	mg/Kg	1	1.00	96	21.8 - 188

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.842	mg/Kg	1	1.00	84	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.895	mg/Kg	1	1.00	90	21.8 - 188

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.877	mg/Kg	1	1.00	88	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.949	mg/Kg	1	1.00	95	21.8 - 188

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.939	mg/Kg	1	1.00	94	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.984	mg/Kg	1	1.00	98	21.8 - 188

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	Prepared By:	KB

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO		**63.8**		mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.687	mg/Kg	5	1.00	69	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.78	mg/Kg	5	1.00	178	21.8 - 188

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	Prepared By:	KB

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO		**42.5**		mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.658	mg/Kg	20	1.00	66	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.46	mg/Kg	20	1.00	146	21.8 - 188

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	Prepared By:	KB

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO		**102**		mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.612	mg/Kg	20	1.00	61	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.62	mg/Kg	20	1.00	162	21.8 - 188

Sample: 109099 - HLSF-0085-SB-019(36.0-37.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	Prepared By:	KB

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO		**106**		mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.616	mg/Kg	20	1.00	62	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.34	mg/Kg	20	1.00	134	21.8 - 188

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.802	mg/Kg	1	1.00	80	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.862	mg/Kg	1	1.00	86	21.8 - 188

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	Sample Preparation:	2006-11-16	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)		0.898	mg/Kg	1	1.00	90	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	21.8 - 188

Method Blank (1) QC Batch: 31978

QC Batch:	31978	Date Analyzed:	2006-11-16	Analyzed By:	KB
Prep Batch:	27847	QC Preparation:	2006-11-16	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		2.11	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.885	mg/Kg	1	1.00	88	75.4 - 125
4-Bromofluorobenzene (4-BFB)		0.868	mg/Kg	1	1.00	87	60.8 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 31978 Date Analyzed: 2006-11-16 Analyzed By: KB
Prep Batch: 27847 QC Preparation: 2006-11-16 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.33	mg/Kg	1	10.0	<0.121	93	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	9.54	mg/Kg	1	10.0	<0.121	95	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)	0.905	0.882	mg/Kg	1	1.00	90	88	75.6 - 120
4-Bromofluorobenzene (4-BFB)	1.02	0.995	mg/Kg	1	1.00	102	100	77.4 - 117

Matrix Spike (MS-1) Spiked Sample: 109089

QC Batch: 31978 Date Analyzed: 2006-11-16 Analyzed By: KB
Prep Batch: 27847 QC Preparation: 2006-11-16 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.53	mg/Kg	1	10.0	<0.121	75	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	7.30	mg/Kg	1	10.0	<0.121	73	36.4 - 166	3	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)	0.745	0.717	mg/Kg	1	1	74	72	39.2 - 148
4-Bromofluorobenzene (4-BFB)	0.959	0.914	mg/Kg	1	1	96	91	62.8 - 153

Standard (ICV-1)

QC Batch: 31978 Date Analyzed: 2006-11-16 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	0.922	92	85 - 115	2006-11-16

Standard (CCV-1)

QC Batch: 31978

Date Analyzed: 2006-11-16

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	0.856	86	85 - 115	2006-11-16

Analytical and Quality Control Report

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

Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109099	HLSF-0085-SB-019(36.0-37.0)	soil	2006-11-13	14:55	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	206	mg/Kg	1	150	137	71 - 133.9

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		175	mg/Kg	1	150	117	71 - 133.9

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		175	mg/Kg	1	150	117	71 - 133.9

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

[1] High surrogate recovery. Sample non-detect, result bias high.

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		175	mg/Kg	1	150	117	71 - 133.9

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	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		189	mg/Kg	1	150	126	71 - 133.9

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	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		186	mg/Kg	1	150	124	71 - 133.9

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**953**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		191	mg/Kg	1	150	127	71 - 133.9

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**369**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	1	150	130	71 - 133.9

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	32051	Date Analyzed:	2006-11-20	Analyzed By:	SP
Prep Batch:	27921	Sample Preparation:	2006-11-17	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**9800**	mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	429	mg/Kg	20	150	286	71 - 133.9

Sample: 109099 - HLSF-0085-SB-019(36.0-37.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**3360**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		197	mg/Kg	1	150	131	71 - 133.9

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	Prepared By:	SP

continued . . .

[2]High surrogate recovery due to peak interference.

sample 109100 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		193	mg/Kg	1	150	129	71 - 133.9

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	Sample Preparation:	2006-11-16	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		190	mg/Kg	1	150	127	71 - 133.9

Method Blank (1) QC Batch: 31981

QC Batch:	31981	Date Analyzed:	2006-11-16	Analyzed By:	SP
Prep Batch:	27852	QC Preparation:	2006-11-16	Prepared By:	SP

Parameter	Flag	MDL Result	Units	RL
DRO		<7.28	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		200	mg/Kg	1	150	133	71 - 133.9

Method Blank (1) QC Batch: 32051

QC Batch:	32051	Date Analyzed:	2006-11-20	Analyzed By:	SP
Prep Batch:	27921	QC Preparation:	2006-11-17	Prepared By:	SP

Parameter	Flag	MDL Result	Units	RL
DRO		<7.28	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		158	mg/Kg	1	150	105	71 - 133.9

Laboratory Control Spike (LCS-1)

QC Batch: 31981 Date Analyzed: 2006-11-16 Analyzed By: SP
Prep Batch: 27852 QC Preparation: 2006-11-16 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	290	mg/Kg	1	250	<7.28	116	67.7 - 129

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	284	mg/Kg	1	250	<7.28	114	67.7 - 129	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
n-Triacontane	171	191	mg/Kg	1	150	114	127	71 - 133.9

Laboratory Control Spike (LCS-1)

QC Batch: 32051 Date Analyzed: 2006-11-20 Analyzed By: SP
Prep Batch: 27921 QC Preparation: 2006-11-17 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	287	mg/Kg	1	250	<7.28	115	67.7 - 129

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	290	mg/Kg	1	250	<7.28	116	67.7 - 129	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	166	158	mg/Kg	1	150	111	105	71 - 133.9

Matrix Spike (MS-1) Spiked Sample: 109089

QC Batch: 31981 Date Analyzed: 2006-11-16 Analyzed By: SP
Prep Batch: 27852 QC Preparation: 2006-11-16 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	264	mg/Kg	1	250	<7.28	106	38.4 - 150

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	280	mg/Kg	1	250	<7.28	112	38.4 - 150	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	165	175	mg/Kg	1	150	110	117	71 - 133.9

Matrix Spike (MS-1) Spiked Sample: 109300

QC Batch: 32051 Date Analyzed: 2006-11-20 Analyzed By: SP
Prep Batch: 27921 QC Preparation: 2006-11-17 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	293	mg/Kg	1	250	<7.28	117	38.4 - 150

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	276	mg/Kg	1	250	<7.28	110	38.4 - 150	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	175	164	mg/Kg	1	150	117	109	71 - 133.9

Standard (ICV-1)

QC Batch: 31981 Date Analyzed: 2006-11-16 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	248	99	85 - 115	2006-11-16

Standard (CCV-1)

QC Batch: 31981 Date Analyzed: 2006-11-16 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	260	104	85 - 115	2006-11-16

Standard (CCV-2)

QC Batch: 31981 Date Analyzed: 2006-11-16 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	286	114	85 - 115	2006-11-16

Standard (ICV-1)

QC Batch: 32051 Date Analyzed: 2006-11-20 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	275	110	85 - 115	2006-11-20

Standard (CCV-1)

QC Batch: 32051 Date Analyzed: 2006-11-20 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	285	114	85 - 115	2006-11-20

Analytical and Quality Control Report

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

Report Date: January 5, 2007

Work Order: 6111616

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
109088	HLSF-0085-SB-028(15.0-16.0)	soil	2006-11-13	09:50	2006-11-14
109089	HLSF-0085-SB-028(20.0-21.0)	soil	2006-11-13	10:00	2006-11-14
109090	HLSF-0085-SB-028(30.0-31.0)	soil	2006-11-13	10:20	2006-11-14
109091	HLSF-0085-SB-028(40.0-41.0)	soil	2006-11-13	10:55	2006-11-14
109092	HLSF-0085-SB-028(49.0-50.0)	soil	2006-11-13	11:25	2006-11-14
109093	HLSF-0085-SB-019(10-0-11.0)	soil	2006-11-13	14:05	2006-11-14
109094	HLSF-0085-SB-019(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109095	HLSF-0085-SB-119(20.0-22.0)	soil	2006-11-13	14:20	2006-11-14
109098	HLSF-0085-SB-019(30.0-31.0)	soil	2006-11-13	14:45	2006-11-14
109100	HLSF-0085-SB-019(40.0-41.0)	soil	2006-11-13	15:10	2006-11-14
109101	HLSF-0085-SB-019(49.0-50.0)	soil	2006-11-13	15:40	2006-11-14

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 31 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: 109088 - HLSF-0085-SB-028(15.0-16.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109088 continued . . .

Parameter	Flag	Result	RL	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		<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 109088 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		1.19	mg/Kg	1	2.67	44	8.6 - 115
Phenol-d5		1.34	mg/Kg	1	2.67	50	6.3 - 124
Nitrobenzene-d5		1.38	mg/Kg	1	2.67	52	11.3 - 116
2-Fluorobiphenyl		2.10	mg/Kg	1	2.67	79	14.6 - 122
2,4,6-Tribromophenol		1.68	mg/Kg	1	2.67	63	13.8 - 123
Terphenyl-d14		2.32	mg/Kg	1	2.67	87	30.8 - 134

Sample: 109089 - HLSF-0085-SB-028(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109089 continued . . .

Parameter	Flag	Result	RL 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		<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 109089 continued . . .

Parameter	Flag	Result	RL	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		1.37	mg/Kg	1	2.67	51	8.6 - 115
Phenol-d5		1.22	mg/Kg	1	2.67	46	6.3 - 124
Nitrobenzene-d5		1.56	mg/Kg	1	2.67	58	11.3 - 116
2-Fluorobiphenyl		2.23	mg/Kg	1	2.67	84	14.6 - 122
2,4,6-Tribromophenol		1.78	mg/Kg	1	2.67	67	13.8 - 123
Terphenyl-d14		2.45	mg/Kg	1	2.67	92	30.8 - 134

Sample: 109090 - HLSF-0085-SB-028(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	Prepared By:	DS

Parameter	Flag	Result	RL	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 109090 continued . . .

Parameter	Flag	Result	RL 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 109090 continued . . .

Parameter	Flag	Result	RL 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		<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		0.950	mg/Kg	1	2.67	36	8.6 - 115
Phenol-d5		0.900	mg/Kg	1	2.67	34	6.3 - 124
Nitrobenzene-d5		1.05	mg/Kg	1	2.67	39	11.3 - 116
2-Fluorobiphenyl		1.61	mg/Kg	1	2.67	60	14.6 - 122
2,4,6-Tribromophenol		1.70	mg/Kg	1	2.67	64	13.8 - 123
Terphenyl-d14		2.17	mg/Kg	1	2.67	81	30.8 - 134

Sample: 109091 - HLSF-0085-SB-028(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109091 continued . . .

Parameter	Flag	Result	RL 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		<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		1.17	mg/Kg	1	2.67	44	8.6 - 115
Phenol-d5		1.18	mg/Kg	1	2.67	44	6.3 - 124
Nitrobenzene-d5		1.55	mg/Kg	1	2.67	58	11.3 - 116

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorobiphenyl		2.18	mg/Kg	1	2.67	82	14.6 - 122
2,4,6-Tribromophenol		2.20	mg/Kg	1	2.67	82	13.8 - 123
Terphenyl-d14		2.33	mg/Kg	1	2.67	87	30.8 - 134

Sample: 109092 - HLSF-0085-SB-028(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109092 continued...

Parameter	Flag	Result	RL 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		<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 109092 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		0.990	mg/Kg	1	2.67	37	8.6 - 115
Phenol-d5		1.00	mg/Kg	1	2.67	37	6.3 - 124
Nitrobenzene-d5		1.26	mg/Kg	1	2.67	47	11.3 - 116
2-Fluorobiphenyl		1.88	mg/Kg	1	2.67	70	14.6 - 122
2,4,6-Tribromophenol		1.72	mg/Kg	1	2.67	64	13.8 - 123
Terphenyl-d14		2.10	mg/Kg	1	2.67	79	30.8 - 134

Sample: 109093 - HLSF-0085-SB-019(10-0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109093 continued . . .

Parameter	Flag	Result	RL 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 109093 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<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		1.09	mg/Kg	1	2.67	41	8.6 - 115
Phenol-d5		1.12	mg/Kg	1	2.67	42	6.3 - 124
Nitrobenzene-d5		1.37	mg/Kg	1	2.67	51	11.3 - 116
2-Fluorobiphenyl		1.96	mg/Kg	1	2.67	73	14.6 - 122
2,4,6-Tribromophenol		1.84	mg/Kg	1	2.67	69	13.8 - 123
Terphenyl-d14		2.13	mg/Kg	1	2.67	80	30.8 - 134

Sample: 109094 - HLSF-0085-SB-019(20.0-22.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	Prepared By:	DS

Parameter	Flag	Result	RL 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 109094 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		**1.23**	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	[1]	**9.10**	mg/Kg	1	0.250
2-Methylnaphthalene		**0.698**	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		**0.400**	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		**1.17**	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

continued . . .

[1] Estimated concentration value greater than standard range.

sample 109094 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		**1.03**	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		**0.578**	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		**2.63**	mg/Kg	1	0.250
Di-n-butylphthalate		<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		1.72	mg/Kg	1	2.67	64	8.6 - 115
Phenol-d5		1.64	mg/Kg	1	2.67	61	6.3 - 124
Nitrobenzene-d5		1.93	mg/Kg	1	2.67	72	11.3 - 116
2-Fluorobiphenyl		1.65	mg/Kg	1	2.67	62	14.6 - 122
2,4,6-Tribromophenol		2.00	mg/Kg	1	2.67	75	13.8 - 123
Terphenyl-d14		2.48	mg/Kg	1	2.67	93	30.8 - 134

Sample: 109095 - HLSF-0085-SB-119(20.0-22.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	Prepared By:	DS

Parameter	Flag	Result	RL 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		**0.685**	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	[2]	**4.60**	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 . . .

[2] Estimated concentration value greater than standard range.

sample 109095 continued . . .

Parameter	Flag	Result	RL	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		**0.776**		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		**0.369**		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		**1.72**		mg/Kg	1	0.250
Di-n-butylphthalate		<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 109095 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		1.55	mg/Kg	1	2.67	58	8.6 - 115
Phenol-d5		1.63	mg/Kg	1	2.67	61	6.3 - 124
Nitrobenzene-d5		2.21	mg/Kg	1	2.67	83	11.3 - 116
2-Fluorobiphenyl		2.04	mg/Kg	1	2.67	76	14.6 - 122
2,4,6-Tribromophenol		2.30	mg/Kg	1	2.67	86	13.8 - 123
Terphenyl-d14		2.83	mg/Kg	1	2.67	106	30.8 - 134

Sample: 109098 - HLSF-0085-SB-019(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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 109098 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	[3]	**17.2**	mg/Kg	1	0.250
2-Methylnaphthalene	[4]	**8.25**	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		**1.12**	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		**2.44**	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		**2.74**	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		**1.63**	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	[5]	**6.16**	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

[3] Estimated concentration value greater than standard range.
[4] Estimated concentration value greater than standard range.
[5] Estimated concentration value greater than standard range.

sample 109098 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		**0.682**	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		1.26	mg/Kg	1	2.67	47	8.6 - 115
Phenol-d5		1.16	mg/Kg	1	2.67	43	6.3 - 124
Nitrobenzene-d5		1.13	mg/Kg	1	2.67	42	11.3 - 116
2-Fluorobiphenyl		1.59	mg/Kg	1	2.67	60	14.6 - 122
2,4,6-Tribromophenol		2.03	mg/Kg	1	2.67	76	13.8 - 123
Terphenyl-d14		2.72	mg/Kg	1	2.67	102	30.8 - 134

Sample: 109100 - HLSF-0085-SB-019(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	Prepared By:	DS

Parameter	Flag	Result	RL 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

continued . . .

sample 109100 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
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
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

continued . . .

sample 109100 continued . . .

Parameter	Flag	Result	RL Units	Dilution	RL
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		<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		1.14	mg/Kg	1	2.67	43	8.6 - 115
Phenol-d5		1.14	mg/Kg	1	2.67	43	6.3 - 124
Nitrobenzene-d5		1.40	mg/Kg	1	2.67	52	11.3 - 116
2-Fluorobiphenyl		1.95	mg/Kg	1	2.67	73	14.6 - 122
2,4,6-Tribromophenol		2.12	mg/Kg	1	2.67	79	13.8 - 123
Terphenyl-d14		2.33	mg/Kg	1	2.67	87	30.8 - 134

Sample: 109101 - HLSF-0085-SB-019(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32633	Date Analyzed:	2006-12-02	Analyzed By:	DS
Prep Batch:	28397	Sample Preparation:	2006-11-27	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

continued . . .

sample 109101 continued...

Parameter	Flag	Result	RL Units	Dilution	RL
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		<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		1.36	mg/Kg	1	2.67	51	8.6 - 115
Phenol-d5		1.35	mg/Kg	1	2.67	50	6.3 - 124

continued...

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		1.87	mg/Kg	1	2.67	70	11.3 - 116
2-Fluorobiphenyl		2.14	mg/Kg	1	2.67	80	14.6 - 122
2,4,6-Tribromophenol		2.44	mg/Kg	1	2.67	91	13.8 - 123
Terphenyl-d14		2.66	mg/Kg	1	2.67	100	30.8 - 134

Method Blank (1) QC Batch: 32633

QC Batch: 32633 Date Analyzed: 2006-12-02 Analyzed By: DS
Prep Batch: 28397 QC Preparation: 2006-11-27 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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
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		<0.0300	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		1.35	mg/Kg	1	2.67	50	8.6 - 115
Phenol-d5		1.41	mg/Kg	1	2.67	53	6.3 - 124
Nitrobenzene-d5		1.68	mg/Kg	1	2.67	63	11.3 - 116
2-Fluorobiphenyl		2.50	mg/Kg	1	2.67	94	14.6 - 122
2,4,6-Tribromophenol		1.99	mg/Kg	1	2.67	74	13.8 - 123
Terphenyl-d14		2.72	mg/Kg	1	2.67	102	30.8 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 32633 Date Analyzed: 2006-12-02 Analyzed By: DS
Prep Batch: 28397 QC Preparation: 2006-11-27 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.52	mg/Kg	1	2.67	<0.0602	57	10 - 125.6
2-Chlorophenol	1.62	mg/Kg	1	2.67	<0.0923	61	10 - 144
1,4-Dichlorobenzene (para)	1.81	mg/Kg	1	2.67	<0.0303	68	10 - 172
n-Nitrosodi-n-propylamine	1.52	mg/Kg	1	2.67	<0.0480	57	10 - 203
1,2,4-Trichlorobenzene	1.95	mg/Kg	1	2.67	<0.0297	73	10 - 176
4-Chloro-3-methylphenol	1.32	mg/Kg	1	2.67	<0.0474	49	10 - 168
Acenaphthene	2.00	mg/Kg	1	2.67	<0.0745	75	10 - 215
4-Nitrophenol	1.25	mg/Kg	1	2.67	<0.169	47	10 - 160
2,4-Dinitrotoluene	2.29	mg/Kg	1	2.67	<0.0609	86	10 - 226
Pentachlorophenol	0.972	mg/Kg	1	2.67	<0.151	36	10 - 187
Pyrene	2.42	mg/Kg	1	2.67	<0.151	91	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	1.59	mg/Kg	1	2.67	<0.0602	60	10 - 125.6	4	20
2-Chlorophenol	1.69	mg/Kg	1	2.67	<0.0923	63	10 - 144	4	20
1,4-Dichlorobenzene (para)	1.80	mg/Kg	1	2.67	<0.0303	67	10 - 172	1	20
n-Nitrosodi-n-propylamine	1.66	mg/Kg	1	2.67	<0.0480	62	10 - 203	9	20
1,2,4-Trichlorobenzene	1.94	mg/Kg	1	2.67	<0.0297	73	10 - 176	0	20
4-Chloro-3-methylphenol	1.43	mg/Kg	1	2.67	<0.0474	54	10 - 168	8	20
Acenaphthene	2.05	mg/Kg	1	2.67	<0.0745	77	10 - 215	2	20
4-Nitrophenol	1.22	mg/Kg	1	2.67	<0.169	46	10 - 160	2	20
2,4-Dinitrotoluene	2.34	mg/Kg	1	2.67	<0.0609	88	10 - 226	2	20

continued . . .

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pentachlorophenol	0.921	mg/Kg	1	2.67	<0.151	34	10 - 187	5	20
Pyrene	2.38	mg/Kg	1	2.67	<0.151	89	10 - 248	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
2-Fluorophenol	1.43	1.39	mg/Kg	1	2.67	54	52	10 - 130.2
Phenol-d5	1.55	1.66	mg/Kg	1	2.67	58	62	10 - 133.4
Nitrobenzene-d5	2.01	1.99	mg/Kg	1	2.67	75	74	21 - 130.5
2-Fluorobiphenyl	2.30	2.43	mg/Kg	1	2.67	86	91	22 - 129.2
2,4,6-Tribromophenol	2.48	2.48	mg/Kg	1	2.67	93	93	41 - 149
Terphenyl-d14	2.69	2.65	mg/Kg	1	2.67	101	99	44.1 - 161

Matrix Spike (MS-1) Spiked Sample: 109088

QC Batch: 32633
Prep Batch: 28397
Date Analyzed: 2006-12-02
QC Preparation: 2006-11-27
Analyzed By: DS
Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.932	mg/Kg	1	2.67	<0.0602	35	10 - 109
2-Chlorophenol	1.02	mg/Kg	1	2.67	<0.0923	38	10 - 130
1,4-Dichlorobenzene (para)	1.14	mg/Kg	1	2.67	<0.0303	43	10 - 124
n-Nitrosodi-n-propylamine	1.02	mg/Kg	1	2.67	<0.0480	38	10 - 172
1,2,4-Trichlorobenzene	1.16	mg/Kg	1	2.67	<0.0297	43	10 - 136
4-Chloro-3-methylphenol	0.916	mg/Kg	1	2.67	<0.0474	34	10 - 121
Acenaphthene	1.24	mg/Kg	1	2.67	<0.0745	46	10 - 158
4-Nitrophenol	0.804	mg/Kg	1	2.67	<0.169	30	10 - 84
2,4-Dinitrotoluene	1.41	mg/Kg	1	2.67	<0.0609	53	10 - 126
Pentachlorophenol	0.522	mg/Kg	1	2.67	<0.151	20	10 - 143
Pyrene	1.69	mg/Kg	1	2.67	<0.151	63	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	0.797	mg/Kg	1	2.67	<0.0602	30	10 - 109	16	20
2-Chlorophenol	0.914	mg/Kg	1	2.67	<0.0923	34	10 - 130	11	20
1,4-Dichlorobenzene (para)	1.03	mg/Kg	1	2.67	<0.0303	38	10 - 124	10	20
n-Nitrosodi-n-propylamine	0.920	mg/Kg	1	2.67	<0.0480	34	10 - 172	10	20
1,2,4-Trichlorobenzene	1.06	mg/Kg	1	2.67	<0.0297	40	10 - 136	9	20
4-Chloro-3-methylphenol	0.834	mg/Kg	1	2.67	<0.0474	31	10 - 121	9	20
Acenaphthene	1.11	mg/Kg	1	2.67	<0.0745	42	10 - 158	11	20
4-Nitrophenol	0.746	mg/Kg	1	2.67	<0.169	28	10 - 84	8	20
2,4-Dinitrotoluene	1.26	mg/Kg	1	2.67	<0.0609	47	10 - 126	11	20
Pentachlorophenol	0.532	mg/Kg	1	2.67	<0.151	20	10 - 143	2	20
Pyrene	1.56	mg/Kg	1	2.67	<0.151	58	10 - 174	8	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	0.910	0.760	mg/Kg	1	2.67	34	28	10 - 98.6
Phenol-d5	0.930	0.830	mg/Kg	1	2.67	35	31	10 - 103
Nitrobenzene-d5	1.13	1.03	mg/Kg	1	2.67	42	38	24 - 93.4
2-Fluorobiphenyl	1.42	1.24	mg/Kg	1	2.67	53	46	13.1 - 102
2,4,6-Tribromophenol	1.69	1.40	mg/Kg	1	2.67	63	52	21.5 - 112
Terphenyl-d14	1.82	1.66	mg/Kg	1	2.67	68	62	24.3 - 121

Standard (CCV-1)

QC Batch: 32633 Date Analyzed: 2006-12-02 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	49.4	82	80 - 120	2006-12-02
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.4	99	80 - 120	2006-12-02
2-Nitrophenol		mg/Kg	60.0	54.2	90	80 - 120	2006-12-02
2,4-Dichlorophenol		mg/Kg	60.0	49.2	82	80 - 120	2006-12-02
Hexachlorobutadiene		mg/Kg	60.0	68.4	114	80 - 120	2006-12-02
4-Chloro-3-methylphenol		mg/Kg	60.0	48.9	82	80 - 120	2006-12-02
2,4,6-Trichlorophenol		mg/Kg	60.0	58.5	98	80 - 120	2006-12-02
Acenaphthene		mg/Kg	60.0	60.5	101	80 - 120	2006-12-02
Diphenylamine		mg/Kg	60.0	59.8	100	80 - 120	2006-12-02
Pentachlorophenol		mg/Kg	60.0	69.3	116	80 - 120	2006-12-02
Fluoranthene		mg/Kg	60.0	60.5	101	80 - 120	2006-12-02
Di-n-octylphthalate		mg/Kg	60.0	56.7	94	80 - 120	2006-12-02
Benzo(a)pyrene		mg/Kg	60.0	60.6	101	80 - 120	2006-12-02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		50.2	mg/Kg	1	60.0	84	80 - 120
Phenol-d5		49.6	mg/Kg	1	60.0	83	80 - 120
Nitrobenzene-d5		59.0	mg/Kg	1	60.0	98	80 - 120
2-Fluorobiphenyl		57.1	mg/Kg	1	60.0	95	80 - 120
2,4,6-Tribromophenol	[6]	79.2	mg/Kg	1	60.0	132	80 - 120
Terphenyl-d14		68.2	mg/Kg	1	60.0	114	80 - 120

[6] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 98.2% which is within acceptable range. This is acceptable by Method 8000.