Analytical and Quality Control Report

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Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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 34 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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32147	Date Analyzed:	2006-11-16	Analyzed By:	DS
Prep Batch:	28002	Sample Preparation:	2006-11-14	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 108028 continued . . .

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

continued . . .

sample 108028 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		1.54	mg/Kg	1	2.67	58	8.6 - 115
Phenol-d5		1.67	mg/Kg	1	2.67	62	6.3 - 124
Nitrobenzene-d5		1.93	mg/Kg	1	2.67	72	11.3 - 116
2-Fluorobiphenyl		2.50	mg/Kg	1	2.67	94	14.6 - 122
2,4,6-Tribromophenol		2.13	mg/Kg	1	2.67	80	13.8 - 123
Terphenyl-d14		2.82	mg/Kg	1	2.67	106	30.8 - 134

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32147	Date Analyzed:	2006-11-16	Analyzed By:	DS
Prep Batch:	28002	Sample Preparation:	2006-11-14	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 108029 continued . . .

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

continued . . .

sample 108029 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.47	mg/Kg	1	2.67	55	8.6 - 115
Phenol-d5		1.90	mg/Kg	1	2.67	71	6.3 - 124
Nitrobenzene-d5		2.30	mg/Kg	1	2.67	86	11.3 - 116
2-Fluorobiphenyl		2.75	mg/Kg	1	2.67	103	14.6 - 122
2,4,6-Tribromophenol		2.59	mg/Kg	1	2.67	97	13.8 - 123
Terphenyl-d14		3.15	mg/Kg	1	2.67	118	30.8 - 134

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	Prepared By:	DS

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

continued . . .

sample 108030 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine	B	<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 108030 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.56	mg/Kg	1	2.67	58	8.6 - 115
Phenol-d5		1.58	mg/Kg	1	2.67	59	6.3 - 124
Nitrobenzene-d5		3.06	mg/Kg	1	2.67	115	11.3 - 116
2-Fluorobiphenyl		0.860	mg/Kg	1	2.67	32	14.6 - 122
2,4,6-Tribromophenol		0.940	mg/Kg	1	2.67	35	13.8 - 123
Terphenyl-d14		1.61	mg/Kg	1	2.67	60	30.8 - 134

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	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	*B*	<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		**0.302**	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 108031 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.70	mg/Kg	1	2.67	64	8.6 - 115
Phenol-d5		1.84	mg/Kg	1	2.67	69	6.3 - 124
Nitrobenzene-d5		1.95	mg/Kg	1	2.67	73	11.3 - 116

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorobiphenyl		0.900	mg/Kg	1	2.67	34	14.6 - 122
2,4,6-Tribromophenol		0.940	mg/Kg	1	2.67	35	13.8 - 123
Terphenyl-d14		1.54	mg/Kg	1	2.67	58	30.8 - 134

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	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	B	<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 108032 continued . . .

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

continued . . .

sample 108032 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.80	mg/Kg	1	2.67	67	8.6 - 115
Phenol-d5		1.83	mg/Kg	1	2.67	68	6.3 - 124
Nitrobenzene-d5		1.94	mg/Kg	1	2.67	73	11.3 - 116
2-Fluorobiphenyl		0.880	mg/Kg	1	2.67	33	14.6 - 122
2,4,6-Tribromophenol		0.840	mg/Kg	1	2.67	31	13.8 - 123
Terphenyl-d14		1.30	mg/Kg	1	2.67	49	30.8 - 134

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	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 108033 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine	*B*	<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 108033 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.42	mg/Kg	1	2.67	53	8.6 - 115
Phenol-d5		1.49	mg/Kg	1	2.67	56	6.3 - 124
Nitrobenzene-d5		1.55	mg/Kg	1	2.67	58	11.3 - 116
2-Fluorobiphenyl		1.42	mg/Kg	1	2.67	53	14.6 - 122
2,4,6-Tribromophenol		0.580	mg/Kg	1	2.67	22	13.8 - 123
Terphenyl-d14		2.33	mg/Kg	1	2.67	87	30.8 - 134

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	Prepared By:	DS

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

continued . . .

sample 108034 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		**2.35**	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	*B*	<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		**15.2**	mg/Kg	1	0.250
2-Methylnaphthalene		**9.76**	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		**0.606**	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		**1.30**	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250

continued . . .

sample 108034 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		**1.56**	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		**3.45**	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.69	mg/Kg	1	2.67	63	8.6 - 115
Phenol-d5		1.68	mg/Kg	1	2.67	63	6.3 - 124
Nitrobenzene-d5		2.24	mg/Kg	1	2.67	84	11.3 - 116
2-Fluorobiphenyl		1.41	mg/Kg	1	2.67	53	14.6 - 122
2,4,6-Tribromophenol		1.43	mg/Kg	1	2.67	54	13.8 - 123
Terphenyl-d14		2.74	mg/Kg	1	2.67	103	30.8 - 134

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	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	*B*	<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 108035 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.93	mg/Kg	1	2.67	72	8.6 - 115
Phenol-d5		1.89	mg/Kg	1	2.67	71	6.3 - 124
Nitrobenzene-d5		2.37	mg/Kg	1	2.67	89	11.3 - 116
2-Fluorobiphenyl		1.70	mg/Kg	1	2.67	64	14.6 - 122
2,4,6-Tribromophenol		1.20	mg/Kg	1	2.67	45	13.8 - 123
Terphenyl-d14		1.37	mg/Kg	1	2.67	51	30.8 - 134

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	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	B	<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250

continued . . .

sample 108036 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1-Methylnaphthalene		**2.56**	mg/Kg	1	0.250
2-Methylnaphthalene		**1.58**	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		**2.32**	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 108036 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.57	mg/Kg	1	2.67	59	8.6 - 115
Phenol-d5		1.78	mg/Kg	1	2.67	67	6.3 - 124
Nitrobenzene-d5		1.05	mg/Kg	1	2.67	39	11.3 - 116
2-Fluorobiphenyl		1.14	mg/Kg	1	2.67	43	14.6 - 122
2,4,6-Tribromophenol		1.19	mg/Kg	1	2.67	44	13.8 - 123
Terphenyl-d14		2.26	mg/Kg	1	2.67	85	30.8 - 134

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	Sample Preparation:	2006-11-14	Prepared By:	DS

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

continued . . .

sample 108037 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine	*B*	<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		**0.618**	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250

continued . . .

sample 108037 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		**0.285**	mg/Kg	1	0.250
Di-n-butylphthalate	*B*	<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250
2-Butoxy Ethanol		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.01	mg/Kg	1	2.67	75	8.6 - 115
Phenol-d5		2.01	mg/Kg	1	2.67	75	6.3 - 124
Nitrobenzene-d5		1.82	mg/Kg	1	2.67	68	11.3 - 116
2-Fluorobiphenyl		1.13	mg/Kg	1	2.67	42	14.6 - 122
2,4,6-Tribromophenol		0.950	mg/Kg	1	2.67	36	13.8 - 123
Terphenyl-d14		1.72	mg/Kg	1	2.67	64	30.8 - 134

Method Blank (1) QC Batch: 32147

QC Batch: 32147 Date Analyzed: 2006-11-16 Analyzed By: DS
Prep Batch: 28002 QC Preparation: 2006-11-14 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

continued . . .

method blank continued . . .

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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		0.0389	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	2.5
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
Benzo(a)pyrene		<0.0349	mg/Kg	0.25
3-Methylcholanthrene		<0.0741	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0290	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0287	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0448	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0276	mg/Kg	0.25
2-Butoxy Ethanol		<0.150	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.23	mg/Kg	1	2.67	46	8.6 - 115
Phenol-d5		1.77	mg/Kg	1	2.67	66	6.3 - 124
Nitrobenzene-d5		1.84	mg/Kg	1	2.67	69	11.3 - 116
2-Fluorobiphenyl		2.69	mg/Kg	1	2.67	101	14.6 - 122
2,4,6-Tribromophenol		1.79	mg/Kg	1	2.67	67	13.8 - 123
Terphenyl-d14		2.82	mg/Kg	1	2.67	106	30.8 - 134

Method Blank (1) QC Batch: 32379

QC Batch:	32379	Date Analyzed:	2006-11-17	Analyzed By:	DS
Prep Batch:	28193	QC Preparation:	2006-11-14	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		0.0552	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0474	mg/Kg	0.25
1-Methylnaphthalene		<0.0417	mg/Kg	0.25
2-Methylnaphthalene		<0.0339	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0300	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0352	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0336	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0403	mg/Kg	0.25
2-Chloronaphthalene		<0.0266	mg/Kg	0.25
1-Chloronaphthalene		<0.0263	mg/Kg	0.25
2-Nitroaniline		<0.0290	mg/Kg	0.25
Dimethylphthalate		<0.0290	mg/Kg	0.25
Acenaphthylene		<0.0651	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0535	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
3-Nitroaniline		<0.0421	mg/Kg	0.25
Acenaphthene		<0.0745	mg/Kg	0.25
2,4-Dinitrophenol		<0.0860	mg/Kg	0.25
Dibenzofuran		<0.0274	mg/Kg	0.25
Pentachlorobenzene		<0.0396	mg/Kg	0.25
4-Nitrophenol		<0.169	mg/Kg	0.25
1-Naphthylamine		<0.0304	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0609	mg/Kg	0.25
2-Naphthylamine		<0.153	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0404	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25
Diethylphthalate		<0.0402	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0345	mg/Kg	0.25
4-Nitroaniline		<0.0176	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.330	mg/Kg	0.25
Diphenylamine		<0.0471	mg/Kg	0.25
Diphenylhydrazine		<0.0641	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0310	mg/Kg	0.25
Phenacetin		<0.0344	mg/Kg	0.25
Hexachlorobenzene		<0.0306	mg/Kg	0.25
4-Aminobiphenyl		<0.128	mg/Kg	0.25
Pentachlorophenol		<0.151	mg/Kg	0.25
Pentachloronitrobenzene		<0.0775	mg/Kg	0.25
Pronamide		<0.0265	mg/Kg	0.25
Phenanthrene		<0.0737	mg/Kg	0.25
Anthracene		<0.0378	mg/Kg	0.25
Di-n-butylphthalate		0.196	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	2.5
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
Benzo(a)pyrene		<0.0349	mg/Kg	0.25
3-Methylcholanthrene		<0.0741	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0290	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0287	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0448	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0276	mg/Kg	0.25
2-Butoxy Ethanol		<0.150	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.260	mg/Kg	1	2.67	10	8.6 - 115
Phenol-d5		0.200	mg/Kg	1	2.67	7	6.3 - 124
Nitrobenzene-d5	[1]	0.250	mg/Kg	1	2.67	9	11.3 - 116
2-Fluorobiphenyl		1.14	mg/Kg	1	2.67	43	14.6 - 122
2,4,6-Tribromophenol		0.660	mg/Kg	1	2.67	25	13.8 - 123
Terphenyl-d14		1.76	mg/Kg	1	2.67	66	30.8 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 32147 Date Analyzed: 2006-11-16 Analyzed By: DS
Prep Batch: 28002 QC Preparation: 2006-11-14 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.91	mg/Kg	1	2.67	<0.0602	72	10 - 125.6
2-Chlorophenol	2.16	mg/Kg	1	2.67	<0.0923	81	10 - 144
1,4-Dichlorobenzene (para)	2.11	mg/Kg	1	2.67	<0.0303	79	10 - 172
n-Nitrosodi-n-propylamine	1.20	mg/Kg	1	2.67	<0.0480	45	10 - 203
1,2,4-Trichlorobenzene	2.22	mg/Kg	1	2.67	<0.0297	83	10 - 176
4-Chloro-3-methylphenol	1.51	mg/Kg	1	2.67	<0.0474	56	10 - 168
Acenaphthene	2.39	mg/Kg	1	2.67	<0.0745	90	10 - 215
4-Nitrophenol	0.672	mg/Kg	1	2.67	<0.169	25	10 - 160
2,4-Dinitrotoluene	2.19	mg/Kg	1	2.67	<0.0609	82	10 - 226
Pentachlorophenol	2.35	mg/Kg	1	2.67	<0.151	88	10 - 187
Pyrene	2.78	mg/Kg	1	2.67	<0.151	104	10 - 248

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.99	mg/Kg	1	2.67	<0.0602	74	10 - 125.6	4	20
2-Chlorophenol	2.25	mg/Kg	1	2.67	<0.0923	84	10 - 144	4	20
1,4-Dichlorobenzene (para)	2.27	mg/Kg	1	2.67	<0.0303	85	10 - 172	7	20
n-Nitrosodi-n-propylamine	1.20	mg/Kg	1	2.67	<0.0480	45	10 - 203	0	20
1,2,4-Trichlorobenzene	2.37	mg/Kg	1	2.67	<0.0297	89	10 - 176	6	20
4-Chloro-3-methylphenol	1.57	mg/Kg	1	2.67	<0.0474	59	10 - 168	4	20
Acenaphthene	2.54	mg/Kg	1	2.67	<0.0745	95	10 - 215	6	20
4-Nitrophenol	0.770	mg/Kg	1	2.67	<0.169	29	10 - 160	14	20
2,4-Dinitrotoluene	2.39	mg/Kg	1	2.67	<0.0609	90	10 - 226	9	20
Pentachlorophenol	2.68	mg/Kg	1	2.67	<0.151	100	10 - 187	13	20
Pyrene	2.87	mg/Kg	1	2.67	<0.151	107	10 - 248	3	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	1.65	1.77	mg/Kg	1	2.67	62	66	10 - 130.2
Phenol-d5	2.31	2.39	mg/Kg	1	2.67	86	90	10 - 133.4
Nitrobenzene-d5	2.33	2.46	mg/Kg	1	2.67	87	92	21 - 130.5

continued . . .

[1] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorobiphenyl	3.06	3.25	mg/Kg	1	2.67	115	122	22 - 129.2
2,4,6-Tribromophenol	3.09	3.29	mg/Kg	1	2.67	116	123	41 - 149
Terphenyl-d14	3.36	3.49	mg/Kg	1	2.67	126	131	44.1 - 161

Laboratory Control Spike (LCS-1)

QC Batch: 32379 Date Analyzed: 2006-11-17 Analyzed By: DS
Prep Batch: 28193 QC Preparation: 2006-11-14 Prepared By: DS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		1.66	mg/Kg	1	2.67	<0.0602	62	10 - 125.6
2-Chlorophenol		1.76	mg/Kg	1	2.67	<0.0923	66	10 - 144
1,4-Dichlorobenzene (para)		1.70	mg/Kg	1	2.67	<0.0303	64	10 - 172
n-Nitrosodi-n-propylamine		1.26	mg/Kg	1	2.67	<0.0480	47	10 - 203
1,2,4-Trichlorobenzene		1.76	mg/Kg	1	2.67	<0.0297	66	10 - 176
4-Chloro-3-methylphenol		2.52	mg/Kg	1	2.67	<0.0474	94	10 - 168
Acenaphthene		1.97	mg/Kg	1	2.67	<0.0745	74	10 - 215
4-Nitrophenol	[2]	<0.169	mg/Kg	1	2.67	<0.169	0	10 - 160
2,4-Dinitrotoluene		1.20	mg/Kg	1	2.67	<0.0609	45	10 - 226
Pentachlorophenol		1.08	mg/Kg	1	2.67	<0.151	40	10 - 187
Pyrene		2.97	mg/Kg	1	2.67	<0.151	111	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		1.75	mg/Kg	1	2.67	<0.0602	66	10 - 125.6	5	20
2-Chlorophenol		1.80	mg/Kg	1	2.67	<0.0923	67	10 - 144	2	20
1,4-Dichlorobenzene (para)		1.70	mg/Kg	1	2.67	<0.0303	64	10 - 172	0	20
n-Nitrosodi-n-propylamine		1.34	mg/Kg	1	2.67	<0.0480	50	10 - 203	6	20
1,2,4-Trichlorobenzene		1.73	mg/Kg	1	2.67	<0.0297	65	10 - 176	2	20
4-Chloro-3-methylphenol		2.58	mg/Kg	1	2.67	<0.0474	97	10 - 168	2	20
Acenaphthene		1.96	mg/Kg	1	2.67	<0.0745	73	10 - 215	0	20
4-Nitrophenol	[3]	<0.169	mg/Kg	1	2.67	<0.169	0	10 - 160	0	20
2,4-Dinitrotoluene		1.22	mg/Kg	1	2.67	<0.0609	46	10 - 226	2	20
Pentachlorophenol		0.907	mg/Kg	1	2.67	<0.151	34	10 - 187	17	20
Pyrene		2.98	mg/Kg	1	2.67	<0.151	112	10 - 248	0	20

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

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol		1.91	2.00	mg/Kg	1	2.67	72	75	10 - 130.2
Phenol-d5		0.890	2.22	mg/Kg	1	2.67	33	83	10 - 133.4
Nitrobenzene-d5		2.35	2.47	mg/Kg	1	2.67	88	92	21 - 130.5
2-Fluorobiphenyl		1.46	1.46	mg/Kg	1	2.67	55	55	22 - 129.2
2,4,6-Tribromophenol	[4]	1.03	1.73	mg/Kg	1	2.67	38	65	41 - 149

continued . . .

[2] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •
[3] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •
[4] 8270 Only - One acidic surrogate is out of control limits. The other two acidic surrogates show extraction was performed properly.

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Terphenyl-d14	1.64	1.57	mg/Kg	1	2.67	61	59	44.1 - 161

Matrix Spike (MS-1) Spiked Sample: 107647

QC Batch: 32147 Date Analyzed: 2006-11-16 Analyzed By: DS
Prep Batch: 28002 QC Preparation: 2006-11-14 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.10	mg/Kg	1	2.67	<0.0602	41	10 - 109
2-Chlorophenol	1.47	mg/Kg	1	2.67	<0.0923	55	10 - 130
1,4-Dichlorobenzene (para)	1.73	mg/Kg	1	2.67	<0.0303	65	10 - 124
n-Nitrosodi-n-propylamine	1.29	mg/Kg	1	2.67	<0.0480	48	10 - 172
1,2,4-Trichlorobenzene	1.76	mg/Kg	1	2.67	<0.0297	66	10 - 136
4-Chloro-3-methylphenol	0.674	mg/Kg	1	2.67	<0.0474	25	10 - 121
Acenaphthene	1.85	mg/Kg	1	2.67	<0.0745	69	10 - 158
4-Nitrophenol	0.470	mg/Kg	1	2.67	<0.169	18	10 - 84
2,4-Dinitrotoluene	1.58	mg/Kg	1	2.67	<0.0609	59	10 - 126
Pentachlorophenol	0.760	mg/Kg	1	2.67	<0.151	28	10 - 143
Pyrene	2.13	mg/Kg	1	2.67	<0.151	80	10 - 174

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.03	mg/Kg	1	2.67	<0.0602	38	10 - 109	7	20
2-Chlorophenol	1.36	mg/Kg	1	2.67	<0.0923	51	10 - 130	8	20
1,4-Dichlorobenzene (para)	1.69	mg/Kg	1	2.67	<0.0303	63	10 - 124	2	20
n-Nitrosodi-n-propylamine	1.18	mg/Kg	1	2.67	<0.0480	44	10 - 172	9	20
1,2,4-Trichlorobenzene	1.75	mg/Kg	1	2.67	<0.0297	66	10 - 136	1	20
4-Chloro-3-methylphenol	0.629	mg/Kg	1	2.67	<0.0474	24	10 - 121	7	20
Acenaphthene	1.80	mg/Kg	1	2.67	<0.0745	67	10 - 158	3	20
4-Nitrophenol	0.485	mg/Kg	1	2.67	<0.169	18	10 - 84	3	20
2,4-Dinitrotoluene	1.53	mg/Kg	1	2.67	<0.0609	57	10 - 126	3	20
Pentachlorophenol	0.848	mg/Kg	1	2.67	<0.151	32	10 - 143	11	20
Pyrene	2.06	mg/Kg	1	2.67	<0.151	77	10 - 174	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.850	0.820	mg/Kg	1	2.67	32	31	10 - 98.6
Phenol-d5	1.37	1.25	mg/Kg	1	2.67	51	47	10 - 103
Nitrobenzene-d5	1.61	1.61	mg/Kg	1	2.67	60	60	24 - 93.4
2-Fluorobiphenyl	2.23	2.20	mg/Kg	1	2.67	84	82	13.1 - 102
2,4,6-Tribromophenol	1.66	1.65	mg/Kg	1	2.67	62	62	21.5 - 112
Terphenyl-d14	2.38	2.29	mg/Kg	1	2.67	89	86	24.3 - 121

Matrix Spike (MS-1) Spiked Sample: 107960

QC Batch: 32379 Date Analyzed: 2006-11-17 Analyzed By: DS
Prep Batch: 28193 QC Preparation: 2006-11-14 Prepared By: DS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		1.15	mg/Kg	1	2.67	<0.0602	43	10 - 109
2-Chlorophenol		1.27	mg/Kg	1	2.67	<0.0923	48	10 - 130
1,4-Dichlorobenzene (para)		1.12	mg/Kg	1	2.67	<0.0303	42	10 - 124
n-Nitrosodi-n-propylamine		0.845	mg/Kg	1	2.67	<0.0480	32	10 - 172
1,2,4-Trichlorobenzene		1.04	mg/Kg	1	2.67	<0.0297	39	10 - 136
4-Chloro-3-methylphenol		1.61	mg/Kg	1	2.67	<0.0474	60	10 - 121
Acenaphthene		1.12	mg/Kg	1	2.67	<0.0745	42	10 - 158
4-Nitrophenol	[5]	<0.169	mg/Kg	1	2.67	<0.169	0	10 - 84
2,4-Dinitrotoluene		0.627	mg/Kg	1	2.67	<0.0609	23	10 - 126
Pentachlorophenol	[6]	<0.151	mg/Kg	1	2.67	<0.151	0	10 - 143
Pyrene		1.88	mg/Kg	1	2.67	<0.151	70	10 - 174

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		1.01	mg/Kg	1	2.67	<0.0602	38	10 - 109	13	20
2-Chlorophenol		1.09	mg/Kg	1	2.67	<0.0923	41	10 - 130	15	20
1,4-Dichlorobenzene (para)		0.972	mg/Kg	1	2.67	<0.0303	36	10 - 124	14	20
n-Nitrosodi-n-propylamine		0.687	mg/Kg	1	2.67	<0.0480	26	10 - 172	21	20
1,2,4-Trichlorobenzene		0.966	mg/Kg	1	2.67	<0.0297	36	10 - 136	7	20
4-Chloro-3-methylphenol		1.57	mg/Kg	1	2.67	<0.0474	59	10 - 121	2	20
Acenaphthene		1.06	mg/Kg	1	2.67	<0.0745	40	10 - 158	6	20
4-Nitrophenol	[7]	<0.169	mg/Kg	1	2.67	<0.169	0	10 - 84	0	20
2,4-Dinitrotoluene		0.519	mg/Kg	1	2.67	<0.0609	19	10 - 126	19	20
Pentachlorophenol	[8]	<0.151	mg/Kg	1	2.67	<0.151	0	10 - 143	0	20
Pyrene		1.65	mg/Kg	1	2.67	<0.151	62	10 - 174	13	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	1.39	1.15	mg/Kg	1	2.67	52	43	10 - 98.6
Phenol-d5	1.45	1.17	mg/Kg	1	2.67	54	44	10 - 103
Nitrobenzene-d5	1.58	1.52	mg/Kg	1	2.67	59	57	24 - 93.4
2-Fluorobiphenyl	1.34	1.31	mg/Kg	1	2.67	50	49	13.1 - 102
2,4,6-Tribromophenol	0.980	0.900	mg/Kg	1	2.67	37	34	21.5 - 112
Terphenyl-d14	1.25	2.22	mg/Kg	1	2.67	47	83	24.3 - 121

Standard (CCV-2)

QC Batch: 32147 Date Analyzed: 2006-11-16 Analyzed By: DS

[5] 4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte.
[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] 4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol	[9]	mg/Kg	60.0	45.2	75	80 - 120	2006-11-16
1,4-Dichlorobenzene (para)		mg/Kg	60.0	60.4	101	80 - 120	2006-11-16
2-Nitrophenol		mg/Kg	60.0	54.0	90	80 - 120	2006-11-16
2,4-Dichlorophenol		mg/Kg	60.0	49.1	82	80 - 120	2006-11-16
Hexachlorobutadiene	[10]	mg/Kg	60.0	73.9	123	80 - 120	2006-11-16
4-Chloro-3-methylphenol		mg/Kg	60.0	53.6	89	80 - 120	2006-11-16
2,4,6-Trichlorophenol		mg/Kg	60.0	59.0	98	80 - 120	2006-11-16
Acenaphthene		mg/Kg	60.0	61.0	102	80 - 120	2006-11-16
Diphenylamine		mg/Kg	60.0	61.0	102	80 - 120	2006-11-16
Pentachlorophenol		mg/Kg	60.0	69.2	115	80 - 120	2006-11-16
Fluoranthene		mg/Kg	60.0	63.7	106	80 - 120	2006-11-16
Di-n-octylphthalate		mg/Kg	60.0	64.5	108	80 - 120	2006-11-16
Benzo(a)pyrene		mg/Kg	60.0	60.6	101	80 - 120	2006-11-16

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		50.8	mg/Kg	1	60.0	85	80 - 120
Phenol-d5	[11]	45.0	mg/Kg	1	60.0	75	80 - 120
Nitrobenzene-d5		57.6	mg/Kg	1	60.0	96	80 - 120
2-Fluorobiphenyl		57.0	mg/Kg	1	60.0	95	80 - 120
2,4,6-Tribromophenol	[12]	75.3	mg/Kg	1	60.0	126	80 - 120
Terphenyl-d14		69.8	mg/Kg	1	60.0	116	80 - 120

Standard (CCV-1)

QC Batch: 32379 Date Analyzed: 2006-11-17 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	49.9	83	80 - 120	2006-11-17
1,4-Dichlorobenzene (para)		mg/Kg	60.0	49.9	83	80 - 120	2006-11-17
2-Nitrophenol		mg/Kg	60.0	51.5	86	80 - 120	2006-11-17
2,4-Dichlorophenol		mg/Kg	60.0	63.4	106	80 - 120	2006-11-17
Hexachlorobutadiene	[13]	mg/Kg	60.0	75.3	126	80 - 120	2006-11-17
4-Chloro-3-methylphenol		mg/Kg	60.0	67.0	112	80 - 120	2006-11-17
2,4,6-Trichlorophenol		mg/Kg	60.0	52.6	88	80 - 120	2006-11-17
Acenaphthene		mg/Kg	60.0	59.2	99	80 - 120	2006-11-17
Diphenylamine		mg/Kg	60.0	53.0	88	80 - 120	2006-11-17
Pentachlorophenol		mg/Kg	60.0	50.2	84	80 - 120	2006-11-17
Fluoranthene		mg/Kg	60.0	50.9	85	80 - 120	2006-11-17
Di-n-octylphthalate		mg/Kg	60.0	67.7	113	80 - 120	2006-11-17
Benzo(a)pyrene		mg/Kg	60.0	65.2	109	80 - 120	2006-11-17

[9] Phenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.2% which is within acceptable range. This is acceptable by Method 8000.

[10] Hexachlorobutadiene outside of control limits on CCV(ICV). CCV(ICV) component average is 99.2% which is within acceptable range. This is acceptable by Method 8000.

[11] Phenol-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 99.2% which is within acceptable range. This is acceptable by Method 8000.

[12] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.2% which is within acceptable range. This is acceptable by Method 8000.

[13] Hexachlorobutadiene outside of control limits on CCV(ICV). CCV(ICV) component average is 95.3% which is within acceptable range. This is acceptable by Method 8000.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		59.0	mg/Kg	1	60.0	98	80 - 120
Phenol-d5		57.3	mg/Kg	1	60.0	96	80 - 120
Nitrobenzene-d5		51.8	mg/Kg	1	60.0	86	80 - 120
2-Fluorobiphenyl		50.6	mg/Kg	1	60.0	84	80 - 120
2,4,6-Tribromophenol		48.0	mg/Kg	1	60.0	80	80 - 120
Terphenyl-d14		64.3	mg/Kg	1	60.0	107	80 - 120

Standard (CCV-2)

QC Batch: 32379 Date Analyzed: 2006-11-17 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	53.6	89	80 - 120	2006-11-17
1,4-Dichlorobenzene (para)		mg/Kg	60.0	52.1	87	80 - 120	2006-11-17
2-Nitrophenol		mg/Kg	60.0	50.2	84	80 - 120	2006-11-17
2,4-Dichlorophenol		mg/Kg	60.0	62.3	104	80 - 120	2006-11-17
Hexachlorobutadiene		mg/Kg	60.0	71.8	120	80 - 120	2006-11-17
4-Chloro-3-methylphenol		mg/Kg	60.0	65.4	109	80 - 120	2006-11-17
2,4,6-Trichlorophenol		mg/Kg	60.0	52.7	88	80 - 120	2006-11-17
Acenaphthene		mg/Kg	60.0	61.1	102	80 - 120	2006-11-17
Diphenylamine		mg/Kg	60.0	58.2	97	80 - 120	2006-11-17
Pentachlorophenol		mg/Kg	60.0	56.5	94	80 - 120	2006-11-17
Fluoranthene		mg/Kg	60.0	50.5	84	80 - 120	2006-11-17
Di-n-octylphthalate		mg/Kg	60.0	71.2	119	80 - 120	2006-11-17
Benzo(a)pyrene		mg/Kg	60.0	69.0	115	80 - 120	2006-11-17

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		60.3	mg/Kg	1	60.0	100	80 - 120
Phenol-d5		63.0	mg/Kg	1	60.0	105	80 - 120
Nitrobenzene-d5		52.8	mg/Kg	1	60.0	88	80 - 120
2-Fluorobiphenyl		53.3	mg/Kg	1	60.0	89	80 - 120
2,4,6-Tribromophenol		48.9	mg/Kg	1	60.0	82	80 - 120
Terphenyl-d14		65.0	mg/Kg	1	60.0	108	80 - 120

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**1.93**	%	1	0.00

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.66**	%	1	0.00

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**1.09**	%	1	0.00

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**0.846**	%	1	0.00

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**1.03**	%	1	0.00

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**2.68**	%	1	0.00

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**0.731**	%	1	0.00

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31722	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27557	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**0.580**	%	1	0.00

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31722	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27557	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**0.700**	%	1	0.00

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	FOC	Analytical Method:	ASTM D 2974-87	Prep Method:	N/A
QC Batch:	31722	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27557	Sample Preparation:	2006-11-07	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
FOC		**0.890**	%	1	0.00

Duplicates (1)

QC Batch:	31719	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27556	QC Preparation:	2006-11-07	Prepared By:	WB

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	3.55	2.66	%	1	29	34

Duplicates (1)

QC Batch:	31722	Date Analyzed:	2006-11-09	Analyzed By:	SM
Prep Batch:	27557	QC Preparation:	2006-11-07	Prepared By:	WB

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
FOC	1.09	0.890	%	1	20	34

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	Sample Preparation:	2006-11-16	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Hexavalent Chromium		**5.21**	mg/Kg	1	5.00

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	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: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	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: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	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: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	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: 32187

QC Batch:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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: 32194

QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	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:	32187	Date Analyzed:	2006-11-22	Analyzed By:	SM
Prep Batch:	27865	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.

Laboratory Control Spike (LCS-1)

QC Batch:	32194	Date Analyzed:	2006-11-17	Analyzed By:	SM
Prep Batch:	27871	QC Preparation:	2006-11-16	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	31.5	mg/Kg	1	40.0	<2.32	79	77.3 - 119

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	32.2	mg/Kg	1	40.0	<2.32	80	77.3 - 119	2	20

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

Matrix Spike (MS-1) Spiked Sample: 108033

QC Batch: 32187 Date Analyzed: 2006-11-22 Analyzed By: SM
Prep Batch: 27865 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium [1]	31.7	mg/Kg	1	40.0	<2.32	79	85 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium [2]	32.0	mg/Kg	1	40.0	<2.32	80	85 - 115	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: 108180

QC Batch: 32194 Date Analyzed: 2006-11-17 Analyzed By: SM
Prep Batch: 27871 QC Preparation: 2006-11-16 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	34.1	mg/Kg	1	40.0	<2.32	85	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	34.7	mg/Kg	1	40.0	<2.32	87	85 - 115	2	20

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

Standard (ICV-1)

QC Batch: 32187 Date Analyzed: 2006-11-22 Analyzed By: SM

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

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.485	97	85 - 115	2006-11-22

Standard (CCV-1)

QC Batch: 32187 Date Analyzed: 2006-11-22 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.499	100	85 - 115	2006-11-22

Standard (ICV-1)

QC Batch: 32194 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	0.494	99	85 - 115	2006-11-17

Standard (CCV-1)

QC Batch: 32194 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	0.485	97	85 - 115	2006-11-17

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03
108038	HLSF-0085-TB-586	water	2006-11-02	09:00	2006-11-03

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 30 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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	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	*B*	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene	*B*	<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0

continued . . .

sample 108028 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		465	µg/Kg	1	500	93	42 - 129
Toluene-d8		510	µg/Kg	1	500	102	93 - 107
4-Bromofluorobenzene (4-BFB)		502	µg/Kg	1	500	100	78 - 120

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<200	µg/Kg	20	10.0
Isopropyl Alcohol		<4000	µg/kg	20	200
Dichlorodifluoromethane		<200	µg/Kg	20	10.0
Tert-butyl Alcohol		<4000	µg/kg	20	200
Chloromethane (methyl chloride)		<200	µg/Kg	20	10.0

continued . . .

sample 108029 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dioxane		<10000	µg/kg	20	500
Vinyl Chloride		<200	µg/Kg	20	10.0
Bromomethane (methyl bromide)		<1000	µg/Kg	20	50.0
Chloroethane		<200	µg/Kg	20	10.0
Trichlorofluoromethane		<200	µg/Kg	20	10.0
Acetone		<2000	µg/Kg	20	100
Iodomethane (methyl iodide)		<1000	µg/Kg	20	50.0
Carbon Disulfide		<200	µg/Kg	20	10.0
Acrylonitrile		<200	µg/Kg	20	10.0
2-Butanone (MEK)		<1000	µg/Kg	20	50.0
4-Methyl-2-pentanone (MIBK)		<1000	µg/Kg	20	50.0
2-Hexanone		<1000	µg/Kg	20	50.0
trans 1,4-Dichloro-2-butene		<2000	µg/Kg	20	100
1,1-Dichloroethene		<200	µg/Kg	20	10.0
Methylene chloride	*B*	<1000	µg/Kg	20	50.0
MTBE		<200	µg/Kg	20	10.0
trans-1,2-Dichloroethene		<200	µg/Kg	20	10.0
1,1-Dichloroethane		<200	µg/Kg	20	10.0
cis-1,2-Dichloroethene		<200	µg/Kg	20	10.0
2,2-Dichloropropane		<200	µg/Kg	20	10.0
1,2-Dichloroethane (EDC)		<200	µg/Kg	20	10.0
Chloroform		<200	µg/Kg	20	10.0
1,1,1-Trichloroethane		<200	µg/Kg	20	10.0
1,1-Dichloropropene		<200	µg/Kg	20	10.0
Benzene	*B*	<200	µg/Kg	20	10.0
Carbon Tetrachloride		<200	µg/Kg	20	10.0
1,2-Dichloropropane		<200	µg/Kg	20	10.0
Trichloroethene (TCE)		<200	µg/Kg	20	10.0
Dibromomethane (methylene bromide)		<200	µg/Kg	20	10.0
Bromodichloromethane		<200	µg/Kg	20	10.0
2-Chloroethyl vinyl ether		<1000	µg/Kg	20	50.0
cis-1,3-Dichloropropene		<200	µg/Kg	20	10.0
trans-1,3-Dichloropropene		<200	µg/Kg	20	10.0
Toluene	*B*	<200	µg/Kg	20	10.0
1,1,2-Trichloroethane		<200	µg/Kg	20	10.0
1,3-Dichloropropane		<200	µg/Kg	20	10.0
Dibromochloromethane		<200	µg/Kg	20	10.0
1,2-Dibromoethane (EDB)		<200	µg/Kg	20	10.0
Tetrachloroethene (PCE)		<200	µg/Kg	20	10.0
Chlorobenzene		<200	µg/Kg	20	10.0
1,1,1,2-Tetrachloroethane		<200	µg/Kg	20	10.0
Ethylbenzene		<200	µg/Kg	20	10.0
m,p-Xylene		<200	µg/Kg	20	10.0
Bromoform		<200	µg/Kg	20	10.0
Styrene		<200	µg/Kg	20	10.0
o-Xylene		<200	µg/Kg	20	10.0
1,1,2,2-Tetrachloroethane		<200	µg/Kg	20	10.0
2-Chlorotoluene		<200	µg/Kg	20	10.0
1,2,3-Trichloropropane		<200	µg/Kg	20	10.0

continued . . .

sample 108029 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<200	µg/Kg	20	10.0
Bromobenzene		<200	µg/Kg	20	10.0
n-Propylbenzene		<200	µg/Kg	20	10.0
1,3,5-Trimethylbenzene		<200	µg/Kg	20	10.0
tert-Butylbenzene		<200	µg/Kg	20	10.0
1,2,4-Trimethylbenzene		<200	µg/Kg	20	10.0
1,4-Dichlorobenzene (para)		<200	µg/Kg	20	10.0
sec-Butylbenzene		<200	µg/Kg	20	10.0
1,3-Dichlorobenzene (meta)		<200	µg/Kg	20	10.0
p-Isopropyltoluene		<200	µg/Kg	20	10.0
4-Chlorotoluene		<200	µg/Kg	20	10.0
1,2-Dichlorobenzene (ortho)		<200	µg/Kg	20	10.0
n-Butylbenzene		<200	µg/Kg	20	10.0
1,2-Dibromo-3-chloropropane		<1000	µg/Kg	20	50.0
1,2,3-Trichlorobenzene		<1000	µg/Kg	20	50.0
1,2,4-Trichlorobenzene		<1000	µg/Kg	20	50.0
Naphthalene		<1000	µg/Kg	20	50.0
Hexachlorobutadiene		<1000	µg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		963	µg/Kg	20	1000	96	42 - 129
Toluene-d8		1000	µg/Kg	20	1000	100	93 - 107
4-Bromofluorobenzene (4-BFB)		993	µg/Kg	20	1000	99	78 - 120

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<200	µg/Kg	20	10.0
Isopropyl Alcohol		<4000	µg/kg	20	200
Tert-butyl Alcohol		<4000	µg/kg	20	200
Dichlorodifluoromethane		<200	µg/Kg	20	10.0
Chloromethane (methyl chloride)		<200	µg/Kg	20	10.0
1,4-Dioxane		<10000	µg/kg	20	500
Vinyl Chloride		<200	µg/Kg	20	10.0
Bromomethane (methyl bromide)		<1000	µg/Kg	20	50.0
Chloroethane		<200	µg/Kg	20	10.0
Trichlorofluoromethane		<200	µg/Kg	20	10.0
Acetone		<2000	µg/Kg	20	100
Iodomethane (methyl iodide)		<1000	µg/Kg	20	50.0
Carbon Disulfide		<200	µg/Kg	20	10.0
Acrylonitrile		<200	µg/Kg	20	10.0
2-Butanone (MEK)		<1000	µg/Kg	20	50.0

continued . . .

sample 108030 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methyl-2-pentanone (MIBK)		<1000	µg/Kg	20	50.0
2-Hexanone		<1000	µg/Kg	20	50.0
trans 1,4-Dichloro-2-butene		<2000	µg/Kg	20	100
1,1-Dichloroethene		<200	µg/Kg	20	10.0
Methylene chloride	B	<1000	µg/Kg	20	50.0
MTBE		<200	µg/Kg	20	10.0
trans-1,2-Dichloroethene		<200	µg/Kg	20	10.0
1,1-Dichloroethane		<200	µg/Kg	20	10.0
cis-1,2-Dichloroethene		<200	µg/Kg	20	10.0
2,2-Dichloropropane		<200	µg/Kg	20	10.0
1,2-Dichloroethane (EDC)		<200	µg/Kg	20	10.0
Chloroform		<200	µg/Kg	20	10.0
1,1,1-Trichloroethane		<200	µg/Kg	20	10.0
1,1-Dichloropropene		<200	µg/Kg	20	10.0
Benzene	B	<200	µg/Kg	20	10.0
Carbon Tetrachloride		<200	µg/Kg	20	10.0
1,2-Dichloropropane		<200	µg/Kg	20	10.0
Trichloroethene (TCE)		<200	µg/Kg	20	10.0
Dibromomethane (methylene bromide)		<200	µg/Kg	20	10.0
Bromodichloromethane		<200	µg/Kg	20	10.0
2-Chloroethyl vinyl ether		<1000	µg/Kg	20	50.0
cis-1,3-Dichloropropene		<200	µg/Kg	20	10.0
trans-1,3-Dichloropropene		<200	µg/Kg	20	10.0
Toluene	B	<200	µg/Kg	20	10.0
1,1,2-Trichloroethane		<200	µg/Kg	20	10.0
1,3-Dichloropropane		<200	µg/Kg	20	10.0
Dibromochloromethane		<200	µg/Kg	20	10.0
1,2-Dibromoethane (EDB)		<200	µg/Kg	20	10.0
Tetrachloroethene (PCE)		<200	µg/Kg	20	10.0
Chlorobenzene		<200	µg/Kg	20	10.0
1,1,1,2-Tetrachloroethane		<200	µg/Kg	20	10.0
Ethylbenzene		<200	µg/Kg	20	10.0
m,p-Xylene		<200	µg/Kg	20	10.0
Bromoform		<200	µg/Kg	20	10.0
Styrene		<200	µg/Kg	20	10.0
o-Xylene		<200	µg/Kg	20	10.0
1,1,2,2-Tetrachloroethane		<200	µg/Kg	20	10.0
2-Chlorotoluene		<200	µg/Kg	20	10.0
1,2,3-Trichloropropane		<200	µg/Kg	20	10.0
Isopropylbenzene		<200	µg/Kg	20	10.0
Bromobenzene		<200	µg/Kg	20	10.0
n-Propylbenzene		<200	µg/Kg	20	10.0
1,3,5-Trimethylbenzene		<200	µg/Kg	20	10.0
tert-Butylbenzene		<200	µg/Kg	20	10.0
1,2,4-Trimethylbenzene		<200	µg/Kg	20	10.0
1,4-Dichlorobenzene (para)		<200	µg/Kg	20	10.0
sec-Butylbenzene		<200	µg/Kg	20	10.0
1,3-Dichlorobenzene (meta)		<200	µg/Kg	20	10.0
p-Isopropyltoluene		<200	µg/Kg	20	10.0

continued . . .

sample 108030 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorotoluene		<200	µg/Kg	20	10.0
1,2-Dichlorobenzene (ortho)		<200	µg/Kg	20	10.0
n-Butylbenzene		<200	µg/Kg	20	10.0
1,2-Dibromo-3-chloropropane		<1000	µg/Kg	20	50.0
1,2,3-Trichlorobenzene		<1000	µg/Kg	20	50.0
1,2,4-Trichlorobenzene		<1000	µg/Kg	20	50.0
Naphthalene		<1000	µg/Kg	20	50.0
Hexachlorobutadiene		<1000	µg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		964	µg/Kg	20	1000	96	42 - 129
Toluene-d8		1010	µg/Kg	20	1000	101	93 - 107
4-Bromofluorobenzene (4-BFB)		1020	µg/Kg	20	1000	102	78 - 120

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<4000	µg/kg	20	200
Bromochloromethane		<200	µg/Kg	20	10.0
Tert-butyl Alcohol		<4000	µg/kg	20	200
Dichlorodifluoromethane		<200	µg/Kg	20	10.0
1,4-Dioxane		<10000	µg/kg	20	500
Chloromethane (methyl chloride)		<200	µg/Kg	20	10.0
Vinyl Chloride		<200	µg/Kg	20	10.0
Bromomethane (methyl bromide)		<1000	µg/Kg	20	50.0
Chloroethane		<200	µg/Kg	20	10.0
Trichlorofluoromethane		<200	µg/Kg	20	10.0
Acetone		<2000	µg/Kg	20	100
Iodomethane (methyl iodide)		<1000	µg/Kg	20	50.0
Carbon Disulfide		<200	µg/Kg	20	10.0
Acrylonitrile		<200	µg/Kg	20	10.0
2-Butanone (MEK)		<1000	µg/Kg	20	50.0
4-Methyl-2-pentanone (MIBK)		<1000	µg/Kg	20	50.0
2-Hexanone		<1000	µg/Kg	20	50.0
trans 1,4-Dichloro-2-butene		<2000	µg/Kg	20	100
1,1-Dichloroethene		<200	µg/Kg	20	10.0
Methylene chloride	B	<1000	µg/Kg	20	50.0
MTBE		<200	µg/Kg	20	10.0
trans-1,2-Dichloroethene		<200	µg/Kg	20	10.0
1,1-Dichloroethane		<200	µg/Kg	20	10.0
cis-1,2-Dichloroethene		<200	µg/Kg	20	10.0
2,2-Dichloropropane		<200	µg/Kg	20	10.0

continued . . .

sample 108031 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<200	µg/Kg	20	10.0
Chloroform		<200	µg/Kg	20	10.0
1,1,1-Trichloroethane		<200	µg/Kg	20	10.0
1,1-Dichloropropene		<200	µg/Kg	20	10.0
Benzene	*B*	<200	µg/Kg	20	10.0
Carbon Tetrachloride		<200	µg/Kg	20	10.0
1,2-Dichloropropane		<200	µg/Kg	20	10.0
Trichloroethene (TCE)		<200	µg/Kg	20	10.0
Dibromomethane (methylene bromide)		<200	µg/Kg	20	10.0
Bromodichloromethane		<200	µg/Kg	20	10.0
2-Chloroethyl vinyl ether		<1000	µg/Kg	20	50.0
cis-1,3-Dichloropropene		<200	µg/Kg	20	10.0
trans-1,3-Dichloropropene		<200	µg/Kg	20	10.0
Toluene	*B*	<200	µg/Kg	20	10.0
1,1,2-Trichloroethane		<200	µg/Kg	20	10.0
1,3-Dichloropropane		<200	µg/Kg	20	10.0
Dibromochloromethane		<200	µg/Kg	20	10.0
1,2-Dibromoethane (EDB)		<200	µg/Kg	20	10.0
Tetrachloroethene (PCE)		<200	µg/Kg	20	10.0
Chlorobenzene		<200	µg/Kg	20	10.0
1,1,1,2-Tetrachloroethane		<200	µg/Kg	20	10.0
Ethylbenzene		<200	µg/Kg	20	10.0
m,p-Xylene		<200	µg/Kg	20	10.0
Bromoform		<200	µg/Kg	20	10.0
Styrene		<200	µg/Kg	20	10.0
o-Xylene		<200	µg/Kg	20	10.0
1,1,2,2-Tetrachloroethane		<200	µg/Kg	20	10.0
2-Chlorotoluene		<200	µg/Kg	20	10.0
1,2,3-Trichloropropane		<200	µg/Kg	20	10.0
Isopropylbenzene		<200	µg/Kg	20	10.0
Bromobenzene		<200	µg/Kg	20	10.0
n-Propylbenzene		<200	µg/Kg	20	10.0
1,3,5-Trimethylbenzene		<200	µg/Kg	20	10.0
tert-Butylbenzene		<200	µg/Kg	20	10.0
1,2,4-Trimethylbenzene		<200	µg/Kg	20	10.0
1,4-Dichlorobenzene (para)		<200	µg/Kg	20	10.0
sec-Butylbenzene		<200	µg/Kg	20	10.0
1,3-Dichlorobenzene (meta)		<200	µg/Kg	20	10.0
p-Isopropyltoluene		<200	µg/Kg	20	10.0
4-Chlorotoluene		<200	µg/Kg	20	10.0
1,2-Dichlorobenzene (ortho)		<200	µg/Kg	20	10.0
n-Butylbenzene		<200	µg/Kg	20	10.0
1,2-Dibromo-3-chloropropane		<1000	µg/Kg	20	50.0
1,2,3-Trichlorobenzene		<1000	µg/Kg	20	50.0
1,2,4-Trichlorobenzene		<1000	µg/Kg	20	50.0
Naphthalene		<1000	µg/Kg	20	50.0
Hexachlorobutadiene		<1000	µg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		945	µg/Kg	20	1000	94	42 - 129
Toluene-d8		1000	µg/Kg	20	1000	100	93 - 107
4-Bromofluorobenzene (4-BFB)		1010	µg/Kg	20	1000	101	78 - 120

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<200	µg/Kg	20	10.0
Isopropyl Alcohol		<4000	µg/kg	20	200
Dichlorodifluoromethane		<200	µg/Kg	20	10.0
Tert-butyl Alcohol		<4000	µg/kg	20	200
Chloromethane (methyl chloride)		<200	µg/Kg	20	10.0
1,4-Dioxane		<10000	µg/kg	20	500
Vinyl Chloride		<200	µg/Kg	20	10.0
Bromomethane (methyl bromide)		<1000	µg/Kg	20	50.0
Chloroethane		<200	µg/Kg	20	10.0
Trichlorofluoromethane		<200	µg/Kg	20	10.0
Acetone		<2000	µg/Kg	20	100
Iodomethane (methyl iodide)		<1000	µg/Kg	20	50.0
Carbon Disulfide		<200	µg/Kg	20	10.0
Acrylonitrile		<200	µg/Kg	20	10.0
2-Butanone (MEK)		<1000	µg/Kg	20	50.0
4-Methyl-2-pentanone (MIBK)		<1000	µg/Kg	20	50.0
2-Hexanone		<1000	µg/Kg	20	50.0
trans 1,4-Dichloro-2-butene		<2000	µg/Kg	20	100
1,1-Dichloroethene		<200	µg/Kg	20	10.0
Methylene chloride	*B*	<1000	µg/Kg	20	50.0
MTBE		<200	µg/Kg	20	10.0
trans-1,2-Dichloroethene		<200	µg/Kg	20	10.0
1,1-Dichloroethane		<200	µg/Kg	20	10.0
cis-1,2-Dichloroethene		<200	µg/Kg	20	10.0
2,2-Dichloropropane		<200	µg/Kg	20	10.0
1,2-Dichloroethane (EDC)		<200	µg/Kg	20	10.0
Chloroform		<200	µg/Kg	20	10.0
1,1,1-Trichloroethane		<200	µg/Kg	20	10.0
1,1-Dichloropropene		<200	µg/Kg	20	10.0
Benzene	*B*	<200	µg/Kg	20	10.0
Carbon Tetrachloride		<200	µg/Kg	20	10.0
1,2-Dichloropropane		<200	µg/Kg	20	10.0
Trichloroethene (TCE)		<200	µg/Kg	20	10.0
Dibromomethane (methylene bromide)		<200	µg/Kg	20	10.0
Bromodichloromethane		<200	µg/Kg	20	10.0
2-Chloroethyl vinyl ether		<1000	µg/Kg	20	50.0
cis-1,3-Dichloropropene		<200	µg/Kg	20	10.0
trans-1,3-Dichloropropene		<200	µg/Kg	20	10.0

continued . . .

sample 108032 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene	B	<200	µg/Kg	20	10.0
1,1,2-Trichloroethane		<200	µg/Kg	20	10.0
1,3-Dichloropropane		<200	µg/Kg	20	10.0
Dibromochloromethane		<200	µg/Kg	20	10.0
1,2-Dibromoethane (EDB)		<200	µg/Kg	20	10.0
Tetrachloroethene (PCE)		<200	µg/Kg	20	10.0
Chlorobenzene		<200	µg/Kg	20	10.0
1,1,1,2-Tetrachloroethane		<200	µg/Kg	20	10.0
Ethylbenzene		<200	µg/Kg	20	10.0
m,p-Xylene		<200	µg/Kg	20	10.0
Bromoform		<200	µg/Kg	20	10.0
Styrene		<200	µg/Kg	20	10.0
o-Xylene		<200	µg/Kg	20	10.0
1,1,2,2-Tetrachloroethane		<200	µg/Kg	20	10.0
2-Chlorotoluene		<200	µg/Kg	20	10.0
1,2,3-Trichloropropane		<200	µg/Kg	20	10.0
Isopropylbenzene		<200	µg/Kg	20	10.0
Bromobenzene		<200	µg/Kg	20	10.0
n-Propylbenzene		<200	µg/Kg	20	10.0
1,3,5-Trimethylbenzene		<200	µg/Kg	20	10.0
tert-Butylbenzene		<200	µg/Kg	20	10.0
1,2,4-Trimethylbenzene		<200	µg/Kg	20	10.0
1,4-Dichlorobenzene (para)		<200	µg/Kg	20	10.0
sec-Butylbenzene		<200	µg/Kg	20	10.0
1,3-Dichlorobenzene (meta)		<200	µg/Kg	20	10.0
p-Isopropyltoluene		<200	µg/Kg	20	10.0
4-Chlorotoluene		<200	µg/Kg	20	10.0
1,2-Dichlorobenzene (ortho)		<200	µg/Kg	20	10.0
n-Butylbenzene		<200	µg/Kg	20	10.0
1,2-Dibromo-3-chloropropane		<1000	µg/Kg	20	50.0
1,2,3-Trichlorobenzene		<1000	µg/Kg	20	50.0
1,2,4-Trichlorobenzene		<1000	µg/Kg	20	50.0
Naphthalene		<1000	µg/Kg	20	50.0
Hexachlorobutadiene		<1000	µg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		938	µg/Kg	20	1000	94	42 - 129
Toluene-d8		999	µg/Kg	20	1000	100	93 - 107
4-Bromofluorobenzene (4-BFB)		1000	µg/Kg	20	1000	100	78 - 120

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

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

continued . . .

sample 108033 continued . . .

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		465	µg/Kg	1	500	93	42 - 129
Toluene-d8		499	µg/Kg	1	500	100	93 - 107
4-Bromofluorobenzene (4-BFB)		507	µg/Kg	1	500	101	78 - 120

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropyl Alcohol		<4000	µg/kg	20	200
Bromochloromethane		<200	µg/Kg	20	10.0
Dichlorodifluoromethane		<200	µg/Kg	20	10.0
Tert-butyl Alcohol		<4000	µg/kg	20	200
Chloromethane (methyl chloride)		<200	µg/Kg	20	10.0
1,4-Dioxane		<10000	µg/kg	20	500
Vinyl Chloride		<200	µg/Kg	20	10.0
Bromomethane (methyl bromide)		<1000	µg/Kg	20	50.0
Chloroethane		<200	µg/Kg	20	10.0
Trichlorofluoromethane		<200	µg/Kg	20	10.0
Acetone		<2000	µg/Kg	20	100
Iodomethane (methyl iodide)		<1000	µg/Kg	20	50.0

continued . . .

sample 108034 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<200	µg/Kg	20	10.0
Acrylonitrile		<200	µg/Kg	20	10.0
2-Butanone (MEK)		<1000	µg/Kg	20	50.0
4-Methyl-2-pentanone (MIBK)		<1000	µg/Kg	20	50.0
2-Hexanone		<1000	µg/Kg	20	50.0
trans 1,4-Dichloro-2-butene		<2000	µg/Kg	20	100
1,1-Dichloroethene		<200	µg/Kg	20	10.0
Methylene chloride	*B*	<1000	µg/Kg	20	50.0
MTBE		<200	µg/Kg	20	10.0
trans-1,2-Dichloroethene		<200	µg/Kg	20	10.0
1,1-Dichloroethane		<200	µg/Kg	20	10.0
cis-1,2-Dichloroethene		<200	µg/Kg	20	10.0
2,2-Dichloropropane		<200	µg/Kg	20	10.0
1,2-Dichloroethane (EDC)		<200	µg/Kg	20	10.0
Chloroform		<200	µg/Kg	20	10.0
1,1,1-Trichloroethane		<200	µg/Kg	20	10.0
1,1-Dichloropropene		<200	µg/Kg	20	10.0
Benzene	*B*	<200	µg/Kg	20	10.0
Carbon Tetrachloride		<200	µg/Kg	20	10.0
1,2-Dichloropropane		<200	µg/Kg	20	10.0
Trichloroethene (TCE)		<200	µg/Kg	20	10.0
Dibromomethane (methylene bromide)		<200	µg/Kg	20	10.0
Bromodichloromethane		<200	µg/Kg	20	10.0
2-Chloroethyl vinyl ether		<1000	µg/Kg	20	50.0
cis-1,3-Dichloropropene		<200	µg/Kg	20	10.0
trans-1,3-Dichloropropene		<200	µg/Kg	20	10.0
Toluene	*B*	<200	µg/Kg	20	10.0
1,1,2-Trichloroethane		<200	µg/Kg	20	10.0
1,3-Dichloropropane		<200	µg/Kg	20	10.0
Dibromochloromethane		<200	µg/Kg	20	10.0
1,2-Dibromoethane (EDB)		<200	µg/Kg	20	10.0
Tetrachloroethene (PCE)		<200	µg/Kg	20	10.0
Chlorobenzene		<200	µg/Kg	20	10.0
1,1,1,2-Tetrachloroethane		<200	µg/Kg	20	10.0
Ethylbenzene		**723**	µg/Kg	20	10.0
m,p-Xylene		<200	µg/Kg	20	10.0
Bromoform		<200	µg/Kg	20	10.0
Styrene		<200	µg/Kg	20	10.0
o-Xylene		<200	µg/Kg	20	10.0
1,1,2,2-Tetrachloroethane		<200	µg/Kg	20	10.0
2-Chlorotoluene		<200	µg/Kg	20	10.0
1,2,3-Trichloropropane		<200	µg/Kg	20	10.0
Isopropylbenzene		**536**	µg/Kg	20	10.0
Bromobenzene		<200	µg/Kg	20	10.0
n-Propylbenzene		**942**	µg/Kg	20	10.0
1,3,5-Trimethylbenzene		<200	µg/Kg	20	10.0
tert-Butylbenzene		<200	µg/Kg	20	10.0
1,2,4-Trimethylbenzene		<200	µg/Kg	20	10.0
1,4-Dichlorobenzene (para)		<200	µg/Kg	20	10.0

continued . . .

sample 108034 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		**1040**	µg/Kg	20	10.0
1,3-Dichlorobenzene (meta)		<200	µg/Kg	20	10.0
p-Isopropyltoluene		**209**	µg/Kg	20	10.0
4-Chlorotoluene		<200	µg/Kg	20	10.0
1,2-Dichlorobenzene (ortho)		<200	µg/Kg	20	10.0
n-Butylbenzene		**962**	µg/Kg	20	10.0
1,2-Dibromo-3-chloropropane		<1000	µg/Kg	20	50.0
1,2,3-Trichlorobenzene		<1000	µg/Kg	20	50.0
1,2,4-Trichlorobenzene		<1000	µg/Kg	20	50.0
Naphthalene		**3060**	µg/Kg	20	50.0
Hexachlorobutadiene		<1000	µg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		943	µg/Kg	20	1000	94	42 - 129
Toluene-d8		993	µg/Kg	20	1000	99	93 - 107
4-Bromofluorobenzene (4-BFB)		1060	µg/Kg	20	1000	106	78 - 120

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	31931	Date Analyzed:	2006-11-12	Analyzed By:	JG
Prep Batch:	27807	Sample Preparation:	2006-11-12	Prepared By:	JG

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

continued . . .

sample 108035 continued . . .

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

continued . . .

sample 108035 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		456	µg/Kg	1	500	91	42 - 129
Toluene-d8		490	µg/Kg	1	500	98	93 - 107
4-Bromofluorobenzene (4-BFB)		494	µg/Kg	1	500	99	78 - 120

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32035	Date Analyzed:	2006-11-13	Analyzed By:	JG
Prep Batch:	27909	Sample Preparation:	2006-11-13	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
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
1,4-Dioxane		<500	µg/kg	1	500
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride	B	<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0

continued . . .

sample 108036 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene	*B*	<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		**67.7**	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		**12.5**	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		**485**	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		**187**	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		**261**	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		502	µg/Kg	1	500	100	93 - 107
4-Bromofluorobenzene (4-BFB)		556	µg/Kg	1	500	111	78 - 120

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	32035	Date Analyzed:	2006-11-13	Analyzed By:	JG
Prep Batch:	27909	Sample Preparation:	2006-11-13	Prepared By:	JG

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

continued . . .

sample 108037 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		**34.8**	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		**18.8**	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		**91.9**	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		**40.6**	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		**34.0**	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		475	µg/Kg	1	500	95	42 - 129
Toluene-d8		506	µg/Kg	1	500	101	93 - 107
4-Bromofluorobenzene (4-BFB)		517	µg/Kg	1	500	103	78 - 120

Sample: 108038 - HLSF-0085-TB-586

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	31830	Date Analyzed:	2006-11-10	Analyzed By:	JG
Prep Batch:	27714	Sample Preparation:	2006-11-10	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

continued . . .

sample 108038 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
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	B	<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene	B	<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene	B	<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	B	<1.00	µg/L	1	1.00
m,p-Xylene	B	<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene	B	<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene	B	<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene	B	<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene	B	<1.00	µg/L	1	1.00
tert-Butylbenzene	B	<1.00	µg/L	1	1.00

continued . . .

sample 108038 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,4-Trimethylbenzene	B	<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene	B	<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene	B	<1.00	µg/L	1	1.00
4-Chlorotoluene	B	<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)	B	<1.00	µg/L	1	1.00
n-Butylbenzene	B	<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
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		52.9	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		52.0	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	µg/L	1	50.0	96	84.6 - 114

Method Blank (1) QC Batch: 31830

QC Batch: 31830 Date Analyzed: 2006-11-10 Analyzed By: JG
Prep Batch: 27714 QC Preparation: 2006-11-10 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		0.970	µg/L	5
MTBE		<0.0504	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
trans-1,2-Dichloroethene		0.0700	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
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		0.260	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		0.0600	µg/L	1
m,p-Xylene		0.100	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		0.0600	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		0.0600	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		0.0900	µg/L	1
1,3,5-Trimethylbenzene		0.100	µg/L	1
tert-Butylbenzene		0.110	µg/L	1
1,2,4-Trimethylbenzene		0.150	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		0.150	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		0.160	µg/L	1
4-Chlorotoluene		0.0700	µg/L	1
1,2-Dichlorobenzene (ortho)		0.100	µg/L	1
n-Butylbenzene		0.220	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		51.7	µg/L	1	50.0	103	82.4 - 115
Toluene-d8		52.3	µg/L	1	50.0	105	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.2	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 31931

QC Batch: 31931 Date Analyzed: 2006-11-12 Analyzed By: JG
Prep Batch: 27807 QC Preparation: 2006-11-12 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		19.7	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		0.770	µg/Kg	10
Carbon Tetrachloride		<0.485	µg/Kg	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		3.13	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		487	µg/Kg	1	500	97	42 - 129
Toluene-d8		520	µg/Kg	1	500	104	93 - 107
4-Bromofluorobenzene (4-BFB)		501	µg/Kg	1	500	100	78 - 120

Method Blank (1) QC Batch: 32035

QC Batch:	32035	Date Analyzed:	2006-11-13	Analyzed By:	JG
Prep Batch:	27909	QC Preparation:	2006-11-13	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
Chloromethane (methyl chloride)		<0.929	µg/Kg	10
1,4-Dioxane		<176	µg/kg	500
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		20.6	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		2.46	µg/Kg	10
1,1,2-Trichloroethane		<3.25	µg/Kg	10
1,3-Dichloropropane		<0.505	µg/Kg	10
Dibromochloromethane		<0.552	µg/Kg	10
1,2-Dibromoethane (EDB)		<0.688	µg/Kg	10
Tetrachloroethene (PCE)		<0.826	µg/Kg	10
Chlorobenzene		<0.426	µg/Kg	10
1,1,1,2-Tetrachloroethane		<0.289	µg/Kg	10
Ethylbenzene		<0.376	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
m,p-Xylene		<0.714	µg/Kg	10
Bromoform		<0.426	µg/Kg	10
Styrene		<0.796	µg/Kg	10
o-Xylene		<0.679	µg/Kg	10
1,1,2,2-Tetrachloroethane		<0.703	µg/Kg	10
2-Chlorotoluene		<1.26	µg/Kg	10
1,2,3-Trichloropropane		<0.504	µg/Kg	10
Isopropylbenzene		<1.30	µg/Kg	10
Bromobenzene		<0.480	µg/Kg	10
n-Propylbenzene		<0.421	µg/Kg	10
1,3,5-Trimethylbenzene		<2.10	µg/Kg	10
tert-Butylbenzene		<0.410	µg/Kg	10
1,2,4-Trimethylbenzene		<0.535	µg/Kg	10
1,4-Dichlorobenzene (para)		<0.387	µg/Kg	10
sec-Butylbenzene		<0.632	µg/Kg	10
1,3-Dichlorobenzene (meta)		<0.534	µg/Kg	10
p-Isopropyltoluene		<0.679	µg/Kg	10
4-Chlorotoluene		<0.675	µg/Kg	10
1,2-Dichlorobenzene (ortho)		<0.475	µg/Kg	10
n-Butylbenzene		<0.979	µg/Kg	10
1,2-Dibromo-3-chloropropane		<0.883	µg/Kg	50
1,2,3-Trichlorobenzene		<3.64	µg/Kg	50
1,2,4-Trichlorobenzene		<2.28	µg/Kg	50
Naphthalene		<4.41	µg/Kg	50
Hexachlorobutadiene		<3.24	µg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		480	µg/Kg	1	500	96	42 - 129
Toluene-d8		515	µg/Kg	1	500	103	93 - 107
4-Bromofluorobenzene (4-BFB)		504	µg/Kg	1	500	101	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 31830 Date Analyzed: 2006-11-10 Analyzed By: JG
Prep Batch: 27714 QC Preparation: 2006-11-10 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	48.7	µg/L	1	50.0	<0.0736	97	83.4 - 114
Benzene	50.1	µg/L	1	50.0	<0.0495	100	83.5 - 115
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	91.3 - 111
Toluene	51.5	µg/L	1	50.0	<0.0736	103	82 - 110
Chlorobenzene	50.0	µg/L	1	50.0	<0.0217	100	87.9 - 109

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

continued . . .

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	47.5	µg/L	1	50.0	<0.0736	95	83.4 - 114	2	20
Benzene	50.2	µg/L	1	50.0	<0.0495	100	83.5 - 115	0	20
Trichloroethene (TCE)	51.2	µg/L	1	50.0	<0.0495	102	91.3 - 111	0	20
Toluene	50.4	µg/L	1	50.0	<0.0736	101	82 - 110	2	20
Chlorobenzene	50.0	µg/L	1	50.0	<0.0217	100	87.9 - 109	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.4	49.8	µg/L	1	50.0	101	100	82.4 - 115
Toluene-d8	50.6	50.5	µg/L	1	50.0	101	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.7	51.1	µg/L	1	50.0	103	102	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 31931 Date Analyzed: 2006-11-12 Analyzed By: JG
Prep Batch: 27807 QC Preparation: 2006-11-12 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	464	µg/Kg	1	500	<0.639	93	76.9 - 114
Benzene	476	µg/Kg	1	500	<0.644	95	79.7 - 113
Trichloroethene (TCE)	510	µg/Kg	1	500	<0.836	102	84.2 - 119
Toluene	476	µg/Kg	1	500	<1.12	95	82 - 110
Chlorobenzene	487	µg/Kg	1	500	<0.426	97	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	459	µg/Kg	1	500	<0.639	92	76.9 - 114	1	20
Benzene	474	µg/Kg	1	500	<0.644	95	79.7 - 113	0	20
Trichloroethene (TCE)	507	µg/Kg	1	500	<0.836	101	84.2 - 119	1	20
Toluene	475	µg/Kg	1	500	<1.12	95	82 - 110	0	20
Chlorobenzene	485	µg/Kg	1	500	<0.426	97	85.9 - 110	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	478	476	µg/Kg	1	500	96	95	87 - 108
Toluene-d8	492	493	µg/Kg	1	500	98	99	92.3 - 106
4-Bromofluorobenzene (4-BFB)	494	490	µg/Kg	1	500	99	98	83.4 - 117

Laboratory Control Spike (LCS-1)

QC Batch: 32035 Date Analyzed: 2006-11-13 Analyzed By: JG
Prep Batch: 27909 QC Preparation: 2006-11-13 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	424	µg/Kg	1	500	<0.639	85	76.9 - 114
Benzene	458	µg/Kg	1	500	<0.644	92	79.7 - 113
Trichloroethene (TCE)	468	µg/Kg	1	500	<0.836	94	84.2 - 119
Toluene	446	µg/Kg	1	500	<1.12	89	82 - 110
Chlorobenzene	447	µg/Kg	1	500	<0.426	89	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	434	µg/Kg	1	500	<0.639	87	76.9 - 114	2	20
Benzene	463	µg/Kg	1	500	<0.644	93	79.7 - 113	1	20
Trichloroethene (TCE)	489	µg/Kg	1	500	<0.836	98	84.2 - 119	4	20
Toluene	460	µg/Kg	1	500	<1.12	92	82 - 110	3	20
Chlorobenzene	463	µg/Kg	1	500	<0.426	93	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	477	480	µg/Kg	1	500	95	96	87 - 108
Toluene-d8	487	493	µg/Kg	1	500	97	99	92.3 - 106
4-Bromofluorobenzene (4-BFB)	481	482	µg/Kg	1	500	96	96	83.4 - 117

Matrix Spike (MS-1) Spiked Sample: 107963

QC Batch: 31931
Prep Batch: 27807

Date Analyzed: 2006-11-12
QC Preparation: 2006-11-12

Analyzed By: JG
Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	475	µg/Kg	1	500	<0.639	95	76.1 - 115
Benzene	488	µg/Kg	1	500	<0.644	98	82.1 - 110
Trichloroethene (TCE)	523	µg/Kg	1	500	<0.836	105	75.5 - 129
Toluene	487	µg/Kg	1	500	<1.12	97	82.3 - 108
Chlorobenzene	496	µg/Kg	1	500	<0.426	99	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	[1]	n/a	µg/Kg	1	500	<0.639	0	76.1 - 115	200	20
Benzene	[2]	n/a	µg/Kg	1	500	<0.644	0	82.1 - 110	200	20
Trichloroethene (TCE)	[3]	n/a	µg/Kg	1	500	<0.836	0	75.5 - 129	200	20
Toluene	[4]	n/a	µg/Kg	1	500	<1.12	0	82.3 - 108	200	20
Chlorobenzene	[5]	n/a	µg/Kg	1	500	<0.426	0	84.1 - 111	200	20

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

[1] MSD not reportable due to software problems.
[2] MSD not reportable due to software problems.
[3] MSD not reportable due to software problems.
[4] MSD not reportable due to software problems.
[5] MSD not reportable due to software problems.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	[6]	480	n/a	µg/Kg	1	500	96	0	87.9 - 105
Toluene-d8	[7]	492	n/a	µg/Kg	1	500	98	0	90.2 - 109
4-Bromofluorobenzene (4-BFB)	[8]	496	n/a	µg/Kg	1	500	99	0	82.9 - 116

Matrix Spike (MS-1) Spiked Sample: 107656

QC Batch: 32035 Date Analyzed: 2006-11-13 Analyzed By: JG
Prep Batch: 27909 QC Preparation: 2006-11-13 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	456	µg/Kg	1	500	<0.639	91	76.1 - 115
Benzene	457	µg/Kg	1	500	<0.644	91	82.1 - 110
Trichloroethene (TCE)	484	µg/Kg	1	500	<0.836	97	75.5 - 129
Toluene	457	µg/Kg	1	500	<1.12	91	82.3 - 108
Chlorobenzene	456	µg/Kg	1	500	<0.426	91	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	456	µg/Kg	1	500	<0.639	91	76.1 - 115	0	20
Benzene	472	µg/Kg	1	500	<0.644	94	82.1 - 110	3	20
Trichloroethene (TCE)	502	µg/Kg	1	500	<0.836	100	75.5 - 129	4	20
Toluene	478	µg/Kg	1	500	<1.12	96	82.3 - 108	4	20
Chlorobenzene	481	µg/Kg	1	500	<0.426	96	84.1 - 111	5	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	477	µg/Kg	1	500	95	95	87.9 - 105
Toluene-d8	488	488	µg/Kg	1	500	98	98	90.2 - 109
4-Bromofluorobenzene (4-BFB)	479	480	µg/Kg	1	500	96	96	82.9 - 116

Standard (CCV-1)

QC Batch: 31830 Date Analyzed: 2006-11-10 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	49.2	98	80 - 120	2006-11-10
1,1-Dichloroethene		µg/L	50.0	49.3	99	80 - 120	2006-11-10
Chloroform		µg/L	50.0	50.8	102	80 - 120	2006-11-10
1,2-Dichloropropane		µg/L	50.0	51.0	102	80 - 120	2006-11-10
Toluene		µg/L	50.0	50.8	102	80 - 120	2006-11-10
Chlorobenzene		µg/L	50.0	50.7	101	80 - 120	2006-11-10

continued ...

[6] MSD not reportable due to software problems.
[7] MSD not reportable due to software problems.
[8] MSD not reportable due to software problems.

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		µg/L	50.0	51.8	104	80 - 120	2006-11-10

Standard (CCV-1)

QC Batch: 31931 Date Analyzed: 2006-11-12 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	47.8	96	80 - 120	2006-11-12
1,1-Dichloroethene		µg/Kg	50.0	49.1	98	80 - 120	2006-11-12
Chloroform		µg/Kg	50.0	50.5	101	80 - 120	2006-11-12
1,2-Dichloropropane		µg/Kg	50.0	50.5	101	80 - 120	2006-11-12
Toluene		µg/Kg	50.0	50.3	101	80 - 120	2006-11-12
Chlorobenzene		µg/Kg	50.0	50.0	100	80 - 120	2006-11-12
Ethylbenzene		µg/Kg	50.0	51.0	102	80 - 120	2006-11-12

Standard (CCV-1)

QC Batch: 32035 Date Analyzed: 2006-11-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	44.1	88	80 - 120	2006-11-13
1,1-Dichloroethene		µg/Kg	50.0	48.2	96	80 - 120	2006-11-13
Chloroform		µg/Kg	50.0	52.2	104	80 - 120	2006-11-13
1,2-Dichloropropane		µg/Kg	50.0	52.3	105	80 - 120	2006-11-13
Toluene		µg/Kg	50.0	50.8	102	80 - 120	2006-11-13
Chlorobenzene		µg/Kg	50.0	50.6	101	80 - 120	2006-11-13
Ethylbenzene		µg/Kg	50.0	50.9	102	80 - 120	2006-11-13

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	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)		0.906	mg/Kg	1	1.00	91	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.927	mg/Kg	1	1.00	93	21.8 - 188

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	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)		0.955	mg/Kg	1	1.00	96	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	21.8 - 188

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**23.3**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.854	mg/Kg	1	1.00	85	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.20	mg/Kg	1	1.00	120	21.8 - 188

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.60**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.924	mg/Kg	1	1.00	92	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.22	mg/Kg	1	1.00	122	21.8 - 188

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.02**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.892	mg/Kg	1	1.00	89	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	21.8 - 188

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	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)		0.873	mg/Kg	1	1.00	87	1.5 - 182
4-Bromofluorobenzene (4-BFB)		0.863	mg/Kg	1	1.00	86	21.8 - 188

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**65.7**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.809	mg/Kg	5	1.00	81	1.5 - 182
4-Bromofluorobenzene (4-BFB)	[1]	2.83	mg/Kg	5	1.00	283	21.8 - 188

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	1	1.00	111	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	21.8 - 188

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**70.9**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.762	mg/Kg	5	1.00	76	1.5 - 182
4-Bromofluorobenzene (4-BFB)	[2]	3.58	mg/Kg	5	1.00	358	21.8 - 188

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31645	Date Analyzed:	2006-11-07	Analyzed By:	KB
Prep Batch:	27565	Sample Preparation:	2006-11-07	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.99**	mg/Kg	1	1.00

[1] High surrogate recovery due to peak interference.
[2] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.993	mg/Kg	1	1.00	99	1.5 - 182
4-Bromofluorobenzene (4-BFB)		1.30	mg/Kg	1	1.00	130	21.8 - 188

Method Blank (1) QC Batch: 31645

QC Batch: 31645 Date Analyzed: 2006-11-07 Analyzed By: KB
Prep Batch: 27565 QC Preparation: 2006-11-07 Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	75.4 - 125
4-Bromofluorobenzene (4-BFB)		0.946	mg/Kg	1	1.00	95	60.8 - 113

Laboratory Control Spike (LCS-1)

QC Batch: 31645 Date Analyzed: 2006-11-07 Analyzed By: KB
Prep Batch: 27565 QC Preparation: 2006-11-07 Prepared By: KB

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

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	10.8	mg/Kg	1	10.0	<0.121	108	79.4 - 114	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
Trifluorotoluene (TFT)	0.974	1.01	mg/Kg	1	1.00	97	101	75.6 - 120
4-Bromofluorobenzene (4-BFB)	1.04	1.02	mg/Kg	1	1.00	104	102	77.4 - 117

Matrix Spike (MS-1) Spiked Sample: 108028

QC Batch: 31645 Date Analyzed: 2006-11-07 Analyzed By: KB
Prep Batch: 27565 QC Preparation: 2006-11-07 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.02	mg/Kg	1	10.0	<0.121	80	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	7.39	mg/Kg	1	10.0	<0.121	74	36.4 - 166	8	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)	0.742	0.787	mg/Kg	1	1	74	79	39.2 - 148
4-Bromofluorobenzene (4-BFB)	0.952	0.943	mg/Kg	1	1	95	94	62.8 - 153

Standard (ICV-1)

QC Batch: 31645 Date Analyzed: 2006-11-07 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2006-11-07

Standard (CCV-1)

QC Batch: 31645 Date Analyzed: 2006-11-07 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	1.02	102	85 - 115	2006-11-07

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		140	mg/Kg	1	150	93	50 - 150

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		134	mg/Kg	1	150	89	50 - 150

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1040**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	150	90	50 - 150

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		142	mg/Kg	1	150	95	50 - 150

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		138	mg/Kg	1	150	92	50 - 150

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		137	mg/Kg	1	150	91	50 - 150

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1840**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		162	mg/Kg	1	150	108	50 - 150

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	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		139	mg/Kg	1	150	93	50 - 150

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1910**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		148	mg/Kg	1	150	99	50 - 150

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	Sample Preparation:	2006-11-07	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**293**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		146	mg/Kg	1	150	97	50 - 150

Method Blank (1) QC Batch: 31658

QC Batch:	31658	Date Analyzed:	2006-11-08	Analyzed By:	SP
Prep Batch:	27576	QC Preparation:	2006-11-07	Prepared By:	SP

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		140	mg/Kg	1	150	93	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 31658 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27576 QC Preparation: 2006-11-07 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	238	mg/Kg	1	250	<10.7	95	62.4 - 111

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	262	mg/Kg	1	250	<10.7	105	62.4 - 111	10	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	143	163	mg/Kg	1	150	95	109	50 - 150

Matrix Spike (MS-1) Spiked Sample: 108030

QC Batch: 31658 Date Analyzed: 2006-11-08 Analyzed By: SP
Prep Batch: 27576 QC Preparation: 2006-11-07 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [1]	947	mg/Kg	1	250	<10.7	379	60.1 - 107

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [2]	949	mg/Kg	1	250	<10.7	380	60.1 - 107	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
n-Triacontane	134	134	mg/Kg	1	150	89	89	50 - 150

Standard (ICV-1)

QC Batch: 31658 Date Analyzed: 2006-11-08 Analyzed By: SP

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

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	266	106	85 - 115	2006-11-08

Standard (CCV-1)

QC Batch: 31658 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	257	103	85 - 115	2006-11-08

Standard (CCV-2)

QC Batch: 31658 Date Analyzed: 2006-11-08 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	223	89	85 - 115	2006-11-08

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03
108033	HLSF-0085-SB-018(10.0-11.0)	soil	2006-11-02	13:30	2006-11-03
108034	HLSF-0085-SB-018(20.0-21.0)	soil	2006-11-02	14:00	2006-11-03
108035	HLSF-0085-SB-018(30.0-31.0)	soil	2006-11-02	14:30	2006-11-03
108036	HLSF-0085-SB-018(40.0-41.0)	soil	2006-11-02	15:00	2006-11-03
108037	HLSF-0085-SB-018(49.0-50.0)	soil	2006-11-02	15:30	2006-11-03

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 17 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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**6.75**	mg/Kg	1	0.500

Sample: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**357**	mg/Kg	1	50.0

Sample: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**13.8**	mg/Kg	1	1.00

Sample: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**2.96**	mg/Kg	1	1.00

Sample: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	B	**6.54**	mg/Kg	1	2.00

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**18.9**	mg/Kg	1	0.500

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**611**	mg/Kg	1	50.0

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**207**	mg/Kg	1	1.00

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**36.5**	mg/Kg	1	1.00

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**45.0**	mg/Kg	1	2.00

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**4.70**	mg/Kg	1	0.500

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**513**	mg/Kg	1	50.0

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**135**	mg/Kg	1	1.00

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**10.4**	mg/Kg	1	1.00

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**16.1**	mg/Kg	1	2.00

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**7.55**	mg/Kg	1	0.500

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**454**	mg/Kg	1	50.0

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**88.4**	mg/Kg	1	1.00

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**6.44**	mg/Kg	1	1.00

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**10.2**	mg/Kg	1	2.00

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**9.11**	mg/Kg	1	0.500

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**540**	mg/Kg	1	50.0

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**125**	mg/Kg	1	1.00

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**12.6**	mg/Kg	1	1.00

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**17.2**	mg/Kg	1	2.00

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**7.42**	mg/Kg	1	0.500

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**414**	mg/Kg	1	50.0

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**7.15**	mg/Kg	1	1.00

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**3.40**	mg/Kg	1	1.00

Sample: 108033 - HLSF-0085-SB-018(10.0-11.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**3.64**	mg/Kg	1	2.00

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**12.9**	mg/Kg	1	0.500

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**500**	mg/Kg	1	50.0

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**124**	mg/Kg	1	1.00

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**19.2**	mg/Kg	1	1.00

Sample: 108034 - HLSF-0085-SB-018(20.0-21.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**19.9**	mg/Kg	1	2.00

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**10.1**	mg/Kg	1	0.500

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**730**	mg/Kg	1	50.0

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**167**	mg/Kg	1	1.00

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**9.76**	mg/Kg	1	1.00

Sample: 108035 - HLSF-0085-SB-018(30.0-31.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**18.2**	mg/Kg	1	2.00

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**11.2**	mg/Kg	1	0.500

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**710**	mg/Kg	1	50.0

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**154**	mg/Kg	1	1.00

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**12.5**	mg/Kg	1	1.00

Sample: 108036 - HLSF-0085-SB-018(40.0-41.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**21.2**	mg/Kg	1	2.00

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**7.96**	mg/Kg	1	0.500

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**415**	mg/Kg	1	50.0

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Phosphorous		**81.7**	mg/Kg	1	1.00

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		**6.04**	mg/Kg	1	1.00

Sample: 108037 - HLSF-0085-SB-018(49.0-50.0)

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	Sample Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc	*B*	**11.3**	mg/Kg	1	2.00

Method Blank (1) QC Batch: 31998

QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	QC Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0820	mg/Kg	50

Method Blank (1) QC Batch: 31998

QC Batch:	31998	Date Analyzed:	2006-11-17	Analyzed By:	TP
Prep Batch:	27803	QC Preparation:	2006-11-15	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		<0.250	mg/Kg	1

Method Blank (1) QC Batch: 32059

QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	QC Preparation:	2006-11-15	Prepared By:	TS

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

Method Blank (1) QC Batch: 32059

QC Batch:	32059	Date Analyzed:	2006-11-20	Analyzed By:	RR
Prep Batch:	27803	QC Preparation:	2006-11-15	Prepared By:	TS

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

Method Blank (1) QC Batch: 32059

QC Batch: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		1.82	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 31998 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	47.8	mg/Kg	1	50.0	<0.0820	96	85.4 - 108

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	51.4	mg/Kg	1	50.0	<0.0820	103	85.4 - 108	7	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: 31998 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	48.4	mg/Kg	1	50.0	<0.250	97	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	50.9	mg/Kg	1	50.0	<0.250	102	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: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	10.4	mg/Kg	1	10.0	<0.0125	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
Total Chromium	9.97	mg/Kg	1	10.0	<0.0125	100	85 - 115	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	48.7	mg/Kg	1	50.0	<0.367	97	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	48.4	mg/Kg	1	50.0	<0.367	97	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: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	25.9	mg/Kg	1	25.0	<0.124	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
Total Zinc	26.0	mg/Kg	1	25.0	<0.124	104	85 - 115	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: 108030

QC Batch: 31998 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	4820	mg/Kg	1	5000	513	86	78.4 - 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 Sodium	4750	mg/Kg	1	5000	513	85	78.4 - 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: 108030

QC Batch: 31998 Date Analyzed: 2006-11-17 Analyzed By: TP
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	4600	mg/Kg	1	5000	135	89	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	4580	mg/Kg	1	5000	135	89	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: 108030

QC Batch: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	15.0	mg/Kg	1	10.0	4.7	103	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	15.2	mg/Kg	1	10.0	4.7	105	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: 108030

QC Batch: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	59.1	mg/Kg	1	50.0	10.4	97	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	65.2	mg/Kg	1	50.0	10.4	110	75 - 125	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: 108030

QC Batch: 32059 Date Analyzed: 2006-11-20 Analyzed By: RR
Prep Batch: 27803 QC Preparation: 2006-11-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	41.6	mg/Kg	1	25.0	16.1	102	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	41.2	mg/Kg	1	25.0	16.1	100	75 - 125	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: 31998 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 Sodium		mg/Kg	50.0	50.3	101	90 - 110	2006-11-17

Standard (ICV-1)

QC Batch: 31998 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 Phosphorous		mg/Kg	50.0	49.9	100	90 - 110	2006-11-17

Standard (CCV-1)

QC Batch: 31998 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 Sodium		mg/Kg	50.0	51.4	103	90 - 110	2006-11-17

Standard (CCV-1)

QC Batch: 31998 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 Phosphorous		mg/Kg	50.0	52.1	104	90 - 110	2006-11-17

Standard (ICV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	0.928	93	90 - 110	2006-11-20

Standard (ICV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	0.926	93	90 - 110	2006-11-20

Standard (ICV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	0.945	94	90 - 110	2006-11-20

Standard (CCV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	0.963	96	90 - 110	2006-11-20

Standard (CCV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	0.984	98	90 - 110	2006-11-20

Standard (CCV-1)

QC Batch: 32059 Date Analyzed: 2006-11-20 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	1.01	101	90 - 110	2006-11-20

Analytical and Quality Control Report

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

Report Date: December 13, 2006

Work Order: 6110701

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
108028	HLSF-0085-SB-015(10.0-11.0)	soil	2006-11-02	08:20	2006-11-03
108029	HLSF-0085-SB-015(20.0-21.0)	soil	2006-11-02	08:40	2006-11-03
108030	HLSF-0085-SB-015(30.0-31.0)	soil	2006-11-02	09:25	2006-11-03
108031	HLSF-0085-SB-015(40.0-41.0)	soil	2006-11-02	10:15	2006-11-03
108032	HLSF-0085-SB-015(49.0-50.0)	soil	2006-11-02	11:00	2006-11-03

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: 108028 - HLSF-0085-SB-015(10.0-11.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31816	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27708	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**4.11**	mg/Kg	25	0.100

Sample: 108029 - HLSF-0085-SB-015(20.0-21.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31816	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27708	Sample Preparation:	2006-11-08	Prepared By:	JS

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

Sample: 108030 - HLSF-0085-SB-015(30.0-31.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31816	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27708	Sample Preparation:	2006-11-08	Prepared By:	JS

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

Sample: 108031 - HLSF-0085-SB-015(40.0-41.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31816	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27708	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**1.69**	mg/Kg	10	0.100

Sample: 108032 - HLSF-0085-SB-015(49.0-50.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31816	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27708	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.68**	mg/Kg	25	0.100

Method Blank (1) QC Batch: 31816

QC Batch: 31816 Date Analyzed: 2006-11-09 Analyzed By: JS
Prep Batch: 27708 QC Preparation: 2006-11-08 Prepared By: JS

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

Laboratory Control Spike (LCS-1)

QC Batch: 31816 Date Analyzed: 2006-11-09 Analyzed By: JS
Prep Batch: 27708 QC Preparation: 2006-11-08 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.173	mg/Kg	1	0.160	<0.0155	108	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	0.154	mg/Kg	1	0.160	<0.0155	96	85 - 115	12	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: 108032

QC Batch: 31816 Date Analyzed: 2006-11-09 Analyzed By: JS
Prep Batch: 27708 QC Preparation: 2006-11-08 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N [1]	4.37	mg/Kg	25	4.00	2.68	42	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 [2]	2.75	mg/Kg	25	4.00	2.68	2	85 - 115	46	20

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.

Standard (ICV-1)

QC Batch: 31816 Date Analyzed: 2006-11-09 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	2006-11-09

Standard (CCV-1)

QC Batch: 31816 Date Analyzed: 2006-11-09 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	0.166	104	85 - 115	2006-11-09