Analytical and Quality Control Report

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Report Date: December 28, 2006

Work Order: 6101811

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
106086	HLSF-0085-SB-017(10.0-11.0)	soil	2006-10-12	11:15	2006-10-16
106087	HLSF-0085-SB-017(20.0-21.0)	soil	2006-10-12	11:27	2006-10-16
106088	HLSF-0085-SB-017(30.0-31.0)	soil	2006-10-12	11:43	2006-10-16
106089	HLSF-0085-SB-017(41.0-42.0)	soil	2006-10-12	12:10	2006-10-16
106090	HLSF-0085-SB-017(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16
106091	HLSF-0085-SB-117(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16

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 21 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: 106086 - HLSF-0085-SB-017(10.0-11.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	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 106086 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		<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 106086 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		1.14	mg/Kg	1	2.67	43	8.6 - 115
Phenol-d5		1.30	mg/Kg	1	2.67	49	6.3 - 124
Nitrobenzene-d5		1.22	mg/Kg	1	2.67	46	11.3 - 116
2-Fluorobiphenyl		1.74	mg/Kg	1	2.67	65	14.6 - 122
2,4,6-Tribromophenol		1.77	mg/Kg	1	2.67	66	13.8 - 123
Terphenyl-d14		2.81	mg/Kg	1	2.67	105	30.8 - 134

Sample: 106087 - HLSF-0085-SB-017(20.0-21.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	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 106087 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.376**	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		**2.52**	mg/Kg	1	0.250
2-Methylnaphthalene		**0.844**	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		**0.578**	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		**0.505**	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		**0.271**	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		**1.17**	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250

continued . . .

sample 106087 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		1.26	mg/Kg	1	2.67	47	8.6 - 115
Phenol-d5		1.49	mg/Kg	1	2.67	56	6.3 - 124
Nitrobenzene-d5		1.77	mg/Kg	1	2.67	66	11.3 - 116
2-Fluorobiphenyl		1.67	mg/Kg	1	2.67	62	14.6 - 122
2,4,6-Tribromophenol		2.23	mg/Kg	1	2.67	84	13.8 - 123
Terphenyl-d14		2.85	mg/Kg	1	2.67	107	30.8 - 134

Sample: 106088 - HLSF-0085-SB-017(30.0-31.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	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 106088 continued . . .

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

continued . . .

sample 106088 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		<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		1.22	mg/Kg	1	2.67	46	8.6 - 115
Phenol-d5		1.37	mg/Kg	1	2.67	51	6.3 - 124
Nitrobenzene-d5		1.38	mg/Kg	1	2.67	52	11.3 - 116
2-Fluorobiphenyl		1.86	mg/Kg	1	2.67	70	14.6 - 122
2,4,6-Tribromophenol		2.22	mg/Kg	1	2.67	83	13.8 - 123
Terphenyl-d14		2.89	mg/Kg	1	2.67	108	30.8 - 134

Sample: 106089 - HLSF-0085-SB-017(41.0-42.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	Prepared By:	DS

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

continued . . .

sample 106089 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		<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		1.30	mg/Kg	1	2.67	49	8.6 - 115
Phenol-d5		1.32	mg/Kg	1	2.67	49	6.3 - 124
Nitrobenzene-d5		1.44	mg/Kg	1	2.67	54	11.3 - 116

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorobiphenyl		1.90	mg/Kg	1	2.67	71	14.6 - 122
2,4,6-Tribromophenol		2.30	mg/Kg	1	2.67	86	13.8 - 123
Terphenyl-d14		3.14	mg/Kg	1	2.67	118	30.8 - 134

Sample: 106090 - HLSF-0085-SB-017(50.0-52.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	Prepared By:	DS

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

continued . . .

sample 106090 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		<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 106090 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		1.17	mg/Kg	1	2.67	44	8.6 - 115
Phenol-d5		1.48	mg/Kg	1	2.67	55	6.3 - 124
Nitrobenzene-d5		1.41	mg/Kg	1	2.67	53	11.3 - 116
2-Fluorobiphenyl		1.96	mg/Kg	1	2.67	73	14.6 - 122
2,4,6-Tribromophenol		1.86	mg/Kg	1	2.67	70	13.8 - 123
Terphenyl-d14		2.93	mg/Kg	1	2.67	110	30.8 - 134

Sample: 106091 - HLSF-0085-SB-117(50.0-52.0)

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	32371	Date Analyzed:	2006-10-21	Analyzed By:	DS
Prep Batch:	28187	Sample Preparation:	2006-10-21	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 106091 continued . . .

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

continued . . .

sample 106091 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		<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		1.24	mg/Kg	1	2.67	46	8.6 - 115
Phenol-d5		1.35	mg/Kg	1	2.67	50	6.3 - 124
Nitrobenzene-d5		1.35	mg/Kg	1	2.67	50	11.3 - 116
2-Fluorobiphenyl		1.84	mg/Kg	1	2.67	69	14.6 - 122
2,4,6-Tribromophenol		2.12	mg/Kg	1	2.67	79	13.8 - 123
Terphenyl-d14		2.78	mg/Kg	1	2.67	104	30.8 - 134

Method Blank (1) QC Batch: 32371

QC Batch: 32371 Date Analyzed: 2006-10-21 Analyzed By: DS
Prep Batch: 28187 QC Preparation: 2006-10-21 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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
2,3,4,6-Tetrachlorophenol		<0.0404	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Diethylphthalate		<0.0402	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0345	mg/Kg	0.25
4-Nitroaniline		<0.0176	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.330	mg/Kg	0.25
Diphenylamine		<0.0471	mg/Kg	0.25
Diphenylhydrazine		<0.0641	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0310	mg/Kg	0.25
Phenacetin		<0.0344	mg/Kg	0.25
Hexachlorobenzene		<0.0306	mg/Kg	0.25
4-Aminobiphenyl		<0.128	mg/Kg	0.25
Pentachlorophenol		<0.151	mg/Kg	0.25
Pentachloronitrobenzene		<0.0775	mg/Kg	0.25
Pronamide		<0.0265	mg/Kg	0.25
Phenanthrene		<0.0737	mg/Kg	0.25
Anthracene		<0.0378	mg/Kg	0.25
Di-n-butylphthalate		<0.0300	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	2.5
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
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		1.64	mg/Kg	1	2.67	61	8.6 - 115
Phenol-d5		1.78	mg/Kg	1	2.67	67	6.3 - 124
Nitrobenzene-d5		1.62	mg/Kg	1	2.67	61	11.3 - 116
2-Fluorobiphenyl		2.23	mg/Kg	1	2.67	84	14.6 - 122
2,4,6-Tribromophenol		2.44	mg/Kg	1	2.67	91	13.8 - 123
Terphenyl-d14		3.17	mg/Kg	1	2.67	119	30.8 - 134

Laboratory Control Spike (LCS-1)

QC Batch: 32371 Date Analyzed: 2006-10-21 Analyzed By: DS
Prep Batch: 28187 QC Preparation: 2006-10-21 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.46	mg/Kg	1	2.67	<0.0602	55	10 - 125.6
2-Chlorophenol	1.43	mg/Kg	1	2.67	<0.0923	54	10 - 144
1,4-Dichlorobenzene (para)	1.44	mg/Kg	1	2.67	<0.0303	54	10 - 172
n-Nitrosodi-n-propylamine	1.43	mg/Kg	1	2.67	<0.0480	54	10 - 203
1,2,4-Trichlorobenzene	1.41	mg/Kg	1	2.67	<0.0297	53	10 - 176
4-Chloro-3-methylphenol	1.29	mg/Kg	1	2.67	<0.0474	48	10 - 168
Acenaphthene	1.64	mg/Kg	1	2.67	<0.0745	61	10 - 215
4-Nitrophenol	0.495	mg/Kg	1	2.67	<0.169	18	10 - 160
2,4-Dinitrotoluene	1.64	mg/Kg	1	2.67	<0.0609	61	10 - 226
Pentachlorophenol	0.988	mg/Kg	1	2.67	<0.151	37	10 - 187
Pyrene	2.51	mg/Kg	1	2.67	<0.151	94	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	1.46	mg/Kg	1	2.67	<0.0602	55	10 - 125.6	0	20
2-Chlorophenol	1.43	mg/Kg	1	2.67	<0.0923	54	10 - 144	0	20
1,4-Dichlorobenzene (para)	1.42	mg/Kg	1	2.67	<0.0303	53	10 - 172	1	20
n-Nitrosodi-n-propylamine	1.48	mg/Kg	1	2.67	<0.0480	55	10 - 203	4	20
1,2,4-Trichlorobenzene	1.41	mg/Kg	1	2.67	<0.0297	53	10 - 176	0	20
4-Chloro-3-methylphenol	1.38	mg/Kg	1	2.67	<0.0474	52	10 - 168	7	20
Acenaphthene	1.63	mg/Kg	1	2.67	<0.0745	61	10 - 215	1	20
4-Nitrophenol	0.488	mg/Kg	1	2.67	<0.169	18	10 - 160	1	20
2,4-Dinitrotoluene	1.66	mg/Kg	1	2.67	<0.0609	62	10 - 226	1	20
Pentachlorophenol	1.03	mg/Kg	1	2.67	<0.151	38	10 - 187	4	20
Pyrene	2.50	mg/Kg	1	2.67	<0.151	94	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	1.22	1.20	mg/Kg	1	2.67	46	45	10 - 130.2
Phenol-d5	1.52	1.49	mg/Kg	1	2.67	57	56	10 - 133.4
Nitrobenzene-d5	1.28	1.33	mg/Kg	1	2.67	48	50	21 - 130.5
2-Fluorobiphenyl	1.86	1.82	mg/Kg	1	2.67	70	68	22 - 129.2
2,4,6-Tribromophenol	2.04	2.16	mg/Kg	1	2.67	76	81	41 - 149
Terphenyl-d14	2.75	2.75	mg/Kg	1	2.67	103	103	44.1 - 161

Matrix Spike (MS-1) Spiked Sample: 106090

QC Batch: 32371 Date Analyzed: 2006-10-21 Analyzed By: DS
Prep Batch: 28187 QC Preparation: 2006-10-21 Prepared By: DS

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.41	mg/Kg	1	2.67	<0.0602	53	10 - 109
2-Chlorophenol	1.45	mg/Kg	1	2.67	<0.0923	54	10 - 130
1,4-Dichlorobenzene (para)	1.43	mg/Kg	1	2.67	<0.0303	54	10 - 124
n-Nitrosodi-n-propylamine	1.57	mg/Kg	1	2.67	<0.0480	59	10 - 172
1,2,4-Trichlorobenzene	1.54	mg/Kg	1	2.67	<0.0297	58	10 - 136
4-Chloro-3-methylphenol	1.34	mg/Kg	1	2.67	<0.0474	50	10 - 121
Acenaphthene	1.69	mg/Kg	1	2.67	<0.0745	63	10 - 158
4-Nitrophenol	0.483	mg/Kg	1	2.67	<0.169	18	10 - 84
2,4-Dinitrotoluene	1.52	mg/Kg	1	2.67	<0.0609	57	10 - 126
Pentachlorophenol	1.30	mg/Kg	1	2.67	<0.151	49	10 - 143
Pyrene	2.09	mg/Kg	1	2.67	<0.151	78	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	1.41	mg/Kg	1	2.67	<0.0602	53	10 - 109	0	20
2-Chlorophenol	1.38	mg/Kg	1	2.67	<0.0923	52	10 - 130	5	20
1,4-Dichlorobenzene (para)	1.37	mg/Kg	1	2.67	<0.0303	51	10 - 124	5	20
n-Nitrosodi-n-propylamine	1.54	mg/Kg	1	2.67	<0.0480	58	10 - 172	2	20
1,2,4-Trichlorobenzene	1.44	mg/Kg	1	2.67	<0.0297	54	10 - 136	7	20
4-Chloro-3-methylphenol	1.30	mg/Kg	1	2.67	<0.0474	49	10 - 121	3	20
Acenaphthene	1.61	mg/Kg	1	2.67	<0.0745	60	10 - 158	5	20
4-Nitrophenol	0.482	mg/Kg	1	2.67	<0.169	18	10 - 84	0	20
2,4-Dinitrotoluene	1.44	mg/Kg	1	2.67	<0.0609	54	10 - 126	6	20
Pentachlorophenol	1.31	mg/Kg	1	2.67	<0.151	49	10 - 143	1	20
Pyrene	2.04	mg/Kg	1	2.67	<0.151	76	10 - 174	2	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	0.990	1.04	mg/Kg	1	2.67	37	39	10 - 98.6
Phenol-d5	1.35	1.32	mg/Kg	1	2.67	50	49	10 - 103
Nitrobenzene-d5	1.46	1.41	mg/Kg	1	2.67	55	53	24 - 93.4
2-Fluorobiphenyl	1.88	1.79	mg/Kg	1	2.67	70	67	13.1 - 102
2,4,6-Tribromophenol	2.07	1.97	mg/Kg	1	2.67	78	74	21.5 - 112
Terphenyl-d14	2.28	2.20	mg/Kg	1	2.67	85	82	24.3 - 121

Standard (CCV-1)

QC Batch: 32371 Date Analyzed: 2006-10-21 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	48.2	80	80 - 120	2006-10-21
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.9	100	80 - 120	2006-10-21

continued . . .

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Nitrophenol		mg/Kg	60.0	51.8	86	80 - 120	2006-10-21
2,4-Dichlorophenol		mg/Kg	60.0	50.9	85	80 - 120	2006-10-21
Hexachlorobutadiene	1	mg/Kg	60.0	72.9	122	80 - 120	2006-10-21
4-Chloro-3-methylphenol		mg/Kg	60.0	62.6	104	80 - 120	2006-10-21
2,4,6-Trichlorophenol		mg/Kg	60.0	58.5	98	80 - 120	2006-10-21
Acenaphthene		mg/Kg	60.0	61.0	102	80 - 120	2006-10-21
Diphenylamine		mg/Kg	60.0	60.3	100	80 - 120	2006-10-21
Pentachlorophenol		mg/Kg	60.0	71.5	119	80 - 120	2006-10-21
Fluoranthene		mg/Kg	60.0	61.6	103	80 - 120	2006-10-21
Di-n-octylphthalate		mg/Kg	60.0	58.4	97	80 - 120	2006-10-21
Benzo(a)pyrene		mg/Kg	60.0	60.1	100	80 - 120	2006-10-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		52.9	mg/Kg	1	60.0	88	80 - 120
Phenol-d5	2	44.1	mg/Kg	1	60.0	74	80 - 120
Nitrobenzene-d5		58.2	mg/Kg	1	60.0	97	80 - 120
2-Fluorobiphenyl		53.0	mg/Kg	1	60.0	88	80 - 120
2,4,6-Tribromophenol	3	77.6	mg/Kg	1	60.0	129	80 - 120
Terphenyl-d14		69.8	mg/Kg	1	60.0	116	80 - 120

Standard (CCV-2)

QC Batch: 32371 Date Analyzed: 2006-10-21 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	54.0	90	80 - 120	2006-10-21
1,4-Dichlorobenzene (para)		mg/Kg	60.0	61.2	102	80 - 120	2006-10-21
2-Nitrophenol		mg/Kg	60.0	54.8	91	80 - 120	2006-10-21
2,4-Dichlorophenol		mg/Kg	60.0	50.4	84	80 - 120	2006-10-21
Hexachlorobutadiene		mg/Kg	60.0	68.2	114	80 - 120	2006-10-21
4-Chloro-3-methylphenol		mg/Kg	60.0	52.4	87	80 - 120	2006-10-21
2,4,6-Trichlorophenol		mg/Kg	60.0	57.1	95	80 - 120	2006-10-21
Acenaphthene		mg/Kg	60.0	60.9	102	80 - 120	2006-10-21
Diphenylamine		mg/Kg	60.0	58.4	97	80 - 120	2006-10-21
Pentachlorophenol		mg/Kg	60.0	64.1	107	80 - 120	2006-10-21
Fluoranthene		mg/Kg	60.0	62.7	104	80 - 120	2006-10-21
Di-n-octylphthalate		mg/Kg	60.0	61.0	102	80 - 120	2006-10-21
Benzo(a)pyrene		mg/Kg	60.0	60.6	101	80 - 120	2006-10-21

continued . . .

[1] Hexachlorobutadiene outside of control limits on CCV(ICV). CCV(ICV) component average is 99.4% which is within acceptable range. This is acceptable by Method 8000.

[2] Phenol-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 99.4% which is within acceptable range. This is acceptable by Method 8000.

[3] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.4% which is within acceptable range. This is acceptable by Method 8000.

standard continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		51.7	mg/Kg	1	60.0	86	80 - 120
Phenol-d5		53.2	mg/Kg	1	60.0	89	80 - 120
Nitrobenzene-d5		57.3	mg/Kg	1	60.0	96	80 - 120
2-Fluorobiphenyl		57.9	mg/Kg	1	60.0	96	80 - 120
2,4,6-Tribromophenol	[4]	75.0	mg/Kg	1	60.0	125	80 - 120
Terphenyl-d14		67.6	mg/Kg	1	60.0	113	80 - 120

[4] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.0% which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

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

Report Date: December 28, 2006

Work Order: 6101811

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
106086	HLSF-0085-SB-017(10.0-11.0)	soil	2006-10-12	11:15	2006-10-16
106087	HLSF-0085-SB-017(20.0-21.0)	soil	2006-10-12	11:27	2006-10-16
106088	HLSF-0085-SB-017(30.0-31.0)	soil	2006-10-12	11:43	2006-10-16
106089	HLSF-0085-SB-017(41.0-42.0)	soil	2006-10-12	12:10	2006-10-16
106090	HLSF-0085-SB-017(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16
106091	HLSF-0085-SB-117(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16

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: 106086 - HLSF-0085-SB-017(10.0-11.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**3.18**	mg/Kg	10	0.100

Sample: 106087 - HLSF-0085-SB-017(20.0-21.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**0.346**	mg/Kg	2	0.100

Sample: 106088 - HLSF-0085-SB-017(30.0-31.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**0.214**	mg/Kg	1	0.100

Sample: 106089 - HLSF-0085-SB-017(41.0-42.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.25**	mg/Kg	10	0.100

Sample: 106090 - HLSF-0085-SB-017(50.0-52.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.54**	mg/Kg	10	0.100

Sample: 106091 - HLSF-0085-SB-117(50.0-52.0)

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	Sample Preparation:	2006-11-08	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**2.35**	mg/Kg	10	0.100

Method Blank (1) QC Batch: 31814

QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	QC Preparation:	2006-11-08	Prepared By:	JS

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

Laboratory Control Spike (LCS-1)

QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	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	0.145	mg/Kg	1	0.160	<0.0155	91	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.172	mg/Kg	1	0.160	<0.0155	108	85 - 115	17	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: 106091

QC Batch:	31814	Date Analyzed:	2006-11-09	Analyzed By:	JS
Prep Batch:	27707	QC Preparation:	2006-11-08	Prepared By:	JS

continued . . .

matrix spikes continued . . .

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[1]	2.22	mg/Kg	10	1.60	2.35	-8	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]	2.22	mg/Kg	10	1.60	2.35	-8	85 - 115	0	20

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

Standard (ICV-1)

QC Batch: 31814 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	0.175	109	85 - 115	2006-11-09

Standard (CCV-1)

QC Batch: 31814 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	0.172	108	85 - 115	2006-11-09

[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.

Analytical and Quality Control Report

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

Report Date: December 28, 2006

Work Order: 6101811

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
106086	HLSF-0085-SB-017(10.0-11.0)	soil	2006-10-12	11:15	2006-10-16
106087	HLSF-0085-SB-017(20.0-21.0)	soil	2006-10-12	11:27	2006-10-16
106088	HLSF-0085-SB-017(30.0-31.0)	soil	2006-10-12	11:43	2006-10-16
106089	HLSF-0085-SB-017(41.0-42.0)	soil	2006-10-12	12:10	2006-10-16
106090	HLSF-0085-SB-017(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16
106091	HLSF-0085-SB-117(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16

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

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Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 106086 - HLSF-0085-SB-017(10.0-11.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Sample: 106087 - HLSF-0085-SB-017(20.0-21.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Sample: 106088 - HLSF-0085-SB-017(30.0-31.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Sample: 106089 - HLSF-0085-SB-017(41.0-42.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Sample: 106090 - HLSF-0085-SB-017(50.0-52.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Sample: 106091 - HLSF-0085-SB-117(50.0-52.0)

Analysis:	Chromium, Hexavalent	Analytical Method:	SM 3500-Cr B	Prep Method:	N/A
QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	Sample Preparation:	2006-10-23	Prepared By:	WB

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

Method Blank (1) QC Batch: 31337

QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	QC Preparation:	2006-10-23	Prepared By:	WB

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

Laboratory Control Spike (LCS-1)

QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	QC Preparation:	2006-10-23	Prepared By:	WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	31.8	mg/Kg	1	40.0	<2.32	80	77.3 - 119

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexavalent Chromium	32.2	mg/Kg	1	40.0	<2.32	80	77.3 - 119	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: 106091

QC Batch:	31337	Date Analyzed:	2006-10-23	Analyzed By:	WB
Prep Batch:	27157	QC Preparation:	2006-10-23	Prepared By:	WB

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexavalent Chromium	[1]	29.0	mg/Kg	1	40.0	<2.32	72	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]	28.4	mg/Kg	1	40.0	<2.32	71	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: 31337 Date Analyzed: 2006-10-23 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.440	88	85 - 115	2006-10-23

Standard (CCV-1)

QC Batch: 31337 Date Analyzed: 2006-10-23 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hexavalent Chromium		mg/L	0.500	0.453	91	85 - 115	2006-10-23

[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.

Analytical and Quality Control Report

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

Report Date: December 28, 2006

Work Order: 6101811

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
106086	HLSF-0085-SB-017(10.0-11.0)	soil	2006-10-12	11:15	2006-10-16
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106088	HLSF-0085-SB-017(30.0-31.0)	soil	2006-10-12	11:43	2006-10-16
106089	HLSF-0085-SB-017(41.0-42.0)	soil	2006-10-12	12:10	2006-10-16
106090	HLSF-0085-SB-017(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16
106091	HLSF-0085-SB-117(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16

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Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 106086 - HLSF-0085-SB-017(10.0-11.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	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)		1.02	mg/Kg	1	1.00	102	68 - 129.6
4-Bromofluorobenzene (4-BFB)		0.988	mg/Kg	1	1.00	99	71.9 - 123.7

Sample: 106087 - HLSF-0085-SB-017(20.0-21.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.0**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	1	1.00	100	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	71.9 - 123.7

Sample: 106088 - HLSF-0085-SB-017(30.0-31.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.77**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.17	mg/Kg	1	1.00	117	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	71.9 - 123.7

Sample: 106089 - HLSF-0085-SB-017(41.0-42.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	68 - 129.6
4-Bromofluorobenzene (4-BFB)		0.995	mg/Kg	1	1.00	100	71.9 - 123.7

Sample: 106090 - HLSF-0085-SB-017(50.0-52.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	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)		1.02	mg/Kg	1	1.00	102	68 - 129.6
4-Bromofluorobenzene (4-BFB)		0.985	mg/Kg	1	1.00	98	71.9 - 123.7

Sample: 106091 - HLSF-0085-SB-117(50.0-52.0)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	Sample Preparation:	2006-10-18	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)		1.12	mg/Kg	1	1.00	112	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	1	1.00	106	71.9 - 123.7

Method Blank (1) QC Batch: 31082

QC Batch:	31082	Date Analyzed:	2006-10-18	Analyzed By:	KB
Prep Batch:	27060	QC Preparation:	2006-10-18	Prepared By:	KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.121	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	81.7 - 119
4-Bromofluorobenzene (4-BFB)		0.911	mg/Kg	1	1.00	91	60.1 - 102

Laboratory Control Spike (LCS-1)

QC Batch: 31082 Date Analyzed: 2006-10-18 Analyzed By: KB
Prep Batch: 27060 QC Preparation: 2006-10-18 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	10.1	mg/Kg	1	10.0	<0.121	101	80 - 120

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.90	mg/Kg	1	10.0	<0.121	99	80 - 120	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.07	1.05	mg/Kg	1	1.00	107	105	80 - 120
4-Bromofluorobenzene (4-BFB)	1.04	1.00	mg/Kg	1	1.00	104	100	80 - 120

Matrix Spike (MS-1) Spiked Sample: 106081

QC Batch: 31082 Date Analyzed: 2006-10-18 Analyzed By: KB
Prep Batch: 27060 QC Preparation: 2006-10-18 Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.45	mg/Kg	1	10.0	<0.121	84	51.6 - 137

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.58	mg/Kg	1	10.0	<0.121	86	51.6 - 137	2	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)	0.943	0.941	mg/Kg	1	1	94	94	50 - 133
4-Bromofluorobenzene (4-BFB)	0.990	0.987	mg/Kg	1	1	99	99	62.4 - 157

Standard (ICV-1)

QC Batch: 31082 Date Analyzed: 2006-10-18 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.976	98	85 - 115	2006-10-18

Standard (CCV-1)

QC Batch: 31082 Date Analyzed: 2006-10-18 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	1.05	105	85 - 115	2006-10-18

Analytical and Quality Control Report

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

Report Date: December 28, 2006

Work Order: 6101811

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
106086	HLSF-0085-SB-017(10.0-11.0)	soil	2006-10-12	11:15	2006-10-16
106087	HLSF-0085-SB-017(20.0-21.0)	soil	2006-10-12	11:27	2006-10-16
106088	HLSF-0085-SB-017(30.0-31.0)	soil	2006-10-12	11:43	2006-10-16
106089	HLSF-0085-SB-017(41.0-42.0)	soil	2006-10-12	12:10	2006-10-16
106090	HLSF-0085-SB-017(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16
106091	HLSF-0085-SB-117(50.0-52.0)	soil	2006-10-13	07:43	2006-10-16

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: 106086 - HLSF-0085-SB-017(10.0-11.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31066	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	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		129	mg/Kg	1	150	86	50 - 150

Sample: 106087 - HLSF-0085-SB-017(20.0-21.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31066	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**112**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	150	98	50 - 150

Sample: 106088 - HLSF-0085-SB-017(30.0-31.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31068	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	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		145	mg/Kg	1	150	97	50 - 150

Sample: 106089 - HLSF-0085-SB-017(41.0-42.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31068	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	Prepared By:	SP

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

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

Sample: 106090 - HLSF-0085-SB-017(50.0-52.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31068	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	Prepared By:	SP

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Sample: 106091 - HLSF-0085-SB-117(50.0-52.0)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	31068	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	Sample Preparation:	2006-10-18	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		151	mg/Kg	1	150	101	50 - 150

Method Blank (1) QC Batch: 31066

QC Batch:	31066	Date Analyzed:	2006-10-18	Analyzed By:	SP
Prep Batch:	27055	QC Preparation:	2006-10-18	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		156	mg/Kg	1	150	104	50 - 150

Method Blank (1) QC Batch: 31068

QC Batch: 31068 Date Analyzed: 2006-10-18 Analyzed By: SP
Prep Batch: 27055 QC Preparation: 2006-10-18 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		158	mg/Kg	1	150	105	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 31066 Date Analyzed: 2006-10-18 Analyzed By: SP
Prep Batch: 27055 QC Preparation: 2006-10-18 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	234	mg/Kg	1	250	<10.7	94	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 [1]	282	mg/Kg	1	250	<10.7	113	62.4 - 111	19	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	173	175	mg/Kg	1	150	115	117	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 31068 Date Analyzed: 2006-10-18 Analyzed By: SP
Prep Batch: 27055 QC Preparation: 2006-10-18 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	257	mg/Kg	1	250	<10.7	103	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	259	mg/Kg	1	250	<10.7	104	62.4 - 111	1	20

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

[1] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	152	158	mg/Kg	1	150	101	105	50 - 150

Matrix Spike (MS-1) Spiked Sample: 105964

QC Batch: 31066 Date Analyzed: 2006-10-18 Analyzed By: SP
Prep Batch: 27055 QC Preparation: 2006-10-18 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	266	mg/Kg	1	250	<10.7	106	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	265	mg/Kg	1	250	<10.7	106	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	169	158	mg/Kg	1	150	113	105	50 - 150

Matrix Spike (MS-1) Spiked Sample: 106089

QC Batch: 31068 Date Analyzed: 2006-10-18 Analyzed By: SP
Prep Batch: 27055 QC Preparation: 2006-10-18 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	242	mg/Kg	1	250	<10.7	97	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]	277	mg/Kg	1	250	<10.7	111	60.1 - 107	14	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	135	138	mg/Kg	1	150	90	92	50 - 150

Standard (CCV-1)

QC Batch: 31066 Date Analyzed: 2006-10-18 Analyzed By: SP

[2] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	255	102	85 - 115	2006-10-18

Standard (CCV-2)

QC Batch: 31066 Date Analyzed: 2006-10-18 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	273	109	85 - 115	2006-10-18

Standard (ICV-1)

QC Batch: 31068 Date Analyzed: 2006-10-18 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	285	114	85 - 115	2006-10-18

Standard (CCV-1)

QC Batch: 31068 Date Analyzed: 2006-10-18 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	282	113	85 - 115	2006-10-18