Analytical and Quality Control Report

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Report Date: January 5, 2007

Work Order: 6121403

Project Name: HELSTF Groundwater Samples
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
111689	HLSF-0085-DRW-110-1206	water	2006-12-12	13:20	2006-12-13
111690	HLSF-0085-TB-778-1206	water	2006-12-12	13:20	2006-12-13

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 37 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	33076	Date Analyzed:	2006-12-22	Analyzed By:	JG
Prep Batch:	28752	Sample Preparation:	2006-12-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**182**	mg/L as CaCo3	1	4.00
Total Alkalinity		**182**	mg/L as CaCo3	1	4.00

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	33017	Date Analyzed:	2006-12-21	Analyzed By:	SM
Prep Batch:	28703	Sample Preparation:	2006-12-21	Prepared By:	SM

Parameter	Flag	RL Result	Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	33065	Date Analyzed:	2006-12-19	Analyzed By:	DR
Prep Batch:	28741	Sample Preparation:	2006-12-19	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**53700**	µMHOS/cm	1	0.00

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200
Dissolved Cadmium		<0.00100	mg/L	1	0.00100
Dissolved Chromium		<0.00500	mg/L	1	0.00500
Dissolved Copper		<0.0125	mg/L	1	0.0125
Dissolved Lead		<0.00500	mg/L	1	0.00500
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	32969	Date Analyzed:	2006-12-15	Analyzed By:	WB
Prep Batch:	28657	Sample Preparation:	2006-12-15	Prepared By:	WB
QC Batch:	33004	Date Analyzed:	2006-12-14	Analyzed By:	WB
Prep Batch:	28664	Sample Preparation:	2006-12-14	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromide		**3.64**		mg/L	5	0.200
Chloride		**17400**		mg/L	500	0.500
Fluoride		**9.09**		mg/L	5	0.200
Sulfate		**22700**		mg/L	500	0.500

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	33128	Date Analyzed:	2006-12-26	Analyzed By:	JS
Prep Batch:	28801	Sample Preparation:	2006-12-26	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate and Nitrite as N		**288**		mg/L	2500	0.100

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	32905	Date Analyzed:	2006-12-13	Analyzed By:	JG
Prep Batch:	28612	Sample Preparation:	2006-12-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.99**		s.u.	1	0.00

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33035	Date Analyzed:	2006-12-21	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Sodium		**12200**		mg/L	100	0.500

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33125	Date Analyzed:	2006-12-27	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**12400**	mg/L	100	0.500

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	33114	Date Analyzed:	2006-12-21	Analyzed By:	DS
Prep Batch:	28786	Sample Preparation:	2006-12-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
n-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
n-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
n-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
n-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500

continued . . .

sample 111689 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
2,4,6-Trichlorophenol		<0.0100		mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500		mg/L	1	0.00500
2-Chloronaphthalene		<0.00500		mg/L	1	0.00500
1-Chloronaphthalene		<0.00500		mg/L	1	0.00500
2-Nitroaniline		<0.00500		mg/L	1	0.00500
Dimethylphthalate		<0.00500		mg/L	1	0.00500
Acenaphthylene		<0.00500		mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500		mg/L	1	0.00500
3-Nitroaniline		<0.00500		mg/L	1	0.00500
Acenaphthene		<0.00500		mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500		mg/L	1	0.00500
Dibenzofuran		<0.00500		mg/L	1	0.00500
Pentachlorobenzene		<0.00500		mg/L	1	0.00500
4-Nitrophenol		<0.0250		mg/L	1	0.0250
1-Naphthylamine		<0.00500		mg/L	1	0.00500
2,4-Dinitrotoluene		<0.00500		mg/L	1	0.00500
2-Naphthylamine		<0.00500		mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100		mg/L	1	0.0100
Fluorene		<0.00500		mg/L	1	0.00500
Diethylphthalate		<0.00500		mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500		mg/L	1	0.00500
4-Nitroaniline		<0.00500		mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500		mg/L	1	0.00500
Diphenylamine		<0.00500		mg/L	1	0.00500
Diphenylhydrazine		<0.00500		mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500		mg/L	1	0.00500
Phenacetin		<0.00500		mg/L	1	0.00500
Hexachlorobenzene		<0.00500		mg/L	1	0.00500
4-Aminobiphenyl		<0.00500		mg/L	1	0.00500
Pentachlorophenol		<0.0100		mg/L	1	0.0100
Pentachloronitrobenzene		<0.00500		mg/L	1	0.00500
Pronamide		<0.00500		mg/L	1	0.00500
Phenanthrene		<0.00500		mg/L	1	0.00500
Anthracene		<0.00500		mg/L	1	0.00500
Di-n-butylphthalate		<0.00500		mg/L	1	0.00500
Fluoranthene		<0.00500		mg/L	1	0.00500
Benzidine		<0.0250		mg/L	1	0.0250
Pyrene		<0.00500		mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500		mg/L	1	0.00500
Butylbenzylphthalate		<0.00500		mg/L	1	0.00500
Benzo(a)anthracene		<0.00500		mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500		mg/L	1	0.00500
Chrysene		<0.00500		mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500		mg/L	1	0.00500
Di-n-octylphthalate		<0.00500		mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500		mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500		mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500		mg/L	1	0.00500
Benzo(a)pyrene		<0.00500		mg/L	1	0.00500

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sample 111689 continued . . .

Parameter	Flag	Result	RL Result	Units	Dilution	RL
3-Methylcholanthrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500		mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500		mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500		mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500		mg/L	1	0.00500
2-Butoxy Ethanol		<0.00500		mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0255	mg/L	1	0.0800	32	10 - 75.1
Phenol-d5		0.0225	mg/L	1	0.0800	28	10 - 56.2
Nitrobenzene-d5		0.0626	mg/L	1	0.0800	78	18.1 - 108
2-Fluorobiphenyl		0.0655	mg/L	1	0.0800	82	20 - 112
2,4,6-Tribromophenol		0.0366	mg/L	1	0.0800	46	10 - 135
Terphenyl-d14		0.0820	mg/L	1	0.0800	102	28.2 - 134

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33071	Date Analyzed:	2006-12-18	Analyzed By:	JG
Prep Batch:	28747	Sample Preparation:	2006-12-18	Prepared By:	JR

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Total Dissolved Solids		**53200**		mg/L	1	5.00

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Total Silver		<0.00200		mg/L	1	0.00200
Total Cadmium		<0.00100		mg/L	1	0.00100
Total Chromium		**0.225**		mg/L	1	0.00500
Total Copper		**0.0260**		mg/L	1	0.00500
Total Phosphorous		**0.0670**		mg/L	1	0.0500
Total Lead		<0.00500		mg/L	1	0.00500
Total Zinc		<0.00500		mg/L	1	0.00500

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	32860	Date Analyzed:	2006-12-15	Analyzed By:	SP
Prep Batch:	28578	Sample Preparation:	2006-12-15	Prepared By:	SP

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<5.00		mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		16.3	mg/L	1	15.0	109	57 - 132.3

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	32868	Date Analyzed:	2006-12-15	Analyzed By:	KB
Prep Batch:	28584	Sample Preparation:	2006-12-15	Prepared By:	KB

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<0.100		mg/L	1	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0864	mg/L	1	0.100	86	58.5 - 135
4-Bromofluorobenzene (4-BFB)		0.0790	mg/L	1	0.100	79	66.8 - 115

Sample: 111689 - HLSF-0085-DRW-110-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32895	Date Analyzed:	2006-12-16	Analyzed By:	JG
Prep Batch:	28606	Sample Preparation:	2006-12-16	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00

continued . . .

sample 111689 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00

continued . . .

sample 111689 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.1	µg/L	1	50.0	106	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	[1]	41.6	µg/L	1	50.0	83	84.6 - 114

Sample: 111690 - HLSF-0085-TB-778-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32895	Date Analyzed:	2006-12-16	Analyzed By:	JG
Prep Batch:	28606	Sample Preparation:	2006-12-16	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00

[1] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

continued . . .

sample 111690 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00		µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00		µg/L	1	5.00
Naphthalene		<5.00		µg/L	1	5.00
Hexachlorobutadiene		<5.00		µg/L	1	5.00
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.1	µg/L	1	50.0	108	82.4 - 115
Toluene-d8		50.8	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.2	µg/L	1	50.0	88	84.6 - 114

Method Blank (1) QC Batch: 32860

QC Batch: 32860 Date Analyzed: 2006-12-15 Analyzed By: SP
Prep Batch: 28578 QC Preparation: 2006-12-15 Prepared By: SP

Parameter	Flag	MDL Result	Units	RL
DRO		<1.19	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		17.8	mg/L	1	15.0	119	57 - 132.3

Method Blank (1) QC Batch: 32868

QC Batch: 32868 Date Analyzed: 2006-12-15 Analyzed By: KB
Prep Batch: 28584 QC Preparation: 2006-12-15 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0272	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	77.2 - 124
4-Bromofluorobenzene (4-BFB)		0.0976	mg/L	1	0.100	98	58 - 111

Method Blank (1) QC Batch: 32895

QC Batch: 32895 Date Analyzed: 2006-12-16 Analyzed By: JG
Prep Batch: 28606 QC Preparation: 2006-12-16 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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.19	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	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		0.390	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		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		52.1	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.6	µg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 32969

QC Batch: 32969 | Date Analyzed: 2006-12-15 | Analyzed By: WB
Prep Batch: 28657 | QC Preparation: 2006-12-15 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 32994

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.000199	mg/L	0.002
Dissolved Cadmium		<0.000577	mg/L	0.001
Dissolved Chromium		<0.00357	mg/L	0.005
Dissolved Copper		<0.00127	mg/L	0.0125
Dissolved Lead		<0.00398	mg/L	0.005
Dissolved Zinc		<0.00300	mg/L	0.005

Method Blank (1) QC Batch: 33004

QC Batch: 33004 | Date Analyzed: 2006-12-14 | Analyzed By: WB
Prep Batch: 28664 | QC Preparation: 2006-12-14 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0429	mg/L	0.2
Fluoride		<0.0119	mg/L	0.2

Method Blank (1) QC Batch: 33017

QC Batch:	33017	Date Analyzed:	2006-12-21	Analyzed By:	SM
Prep Batch:	28703	QC Preparation:	2006-12-21	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 33035

QC Batch:	33035	Date Analyzed:	2006-12-21	Analyzed By:	RR
Prep Batch:	28613	QC Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 33065

QC Batch:	33065	Date Analyzed:	2006-12-19	Analyzed By:	DR
Prep Batch:	28741	QC Preparation:	2006-12-19	Prepared By:	DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	µMHOS/cm	

Method Blank (1) QC Batch: 33071

QC Batch:	33071	Date Analyzed:	2006-12-18	Analyzed By:	JG
Prep Batch:	28747	QC Preparation:	2006-12-18	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 33076

QC Batch:	33076	Date Analyzed:	2006-12-22	Analyzed By:	JG
Prep Batch:	28752	QC Preparation:	2006-12-22	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 33098

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.000274	mg/L	0.002
Total Cadmium		<0.000268	mg/L	0.001
Total Chromium		<0.00357	mg/L	0.005
Total Copper		<0.00127	mg/L	0.005
Total Phosphorous		<0.0229	mg/L	0.05
Total Lead		<0.00310	mg/L	0.005
Total Zinc		<0.000666	mg/L	0.005

Method Blank (1) QC Batch: 33114

QC Batch: 33114 Date Analyzed: 2006-12-21 Analyzed By: DS
Prep Batch: 28786 QC Preparation: 2006-12-19 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.000235	mg/L	0.005
n-Nitrosodimethylamine		<0.00143	mg/L	0.005
2-Picoline		<0.000437	mg/L	0.005
Methyl methanesulfonate		<0.000662	mg/L	0.005
Ethyl methanesulfonate		<0.000990	mg/L	0.005
Phenol		<0.000591	mg/L	0.005
Aniline		<0.000774	mg/L	0.005
bis(2-chloroethyl)ether		<0.00116	mg/L	0.005
2-Chlorophenol		<0.00279	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.000784	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.000820	mg/L	0.005
Benzyl alcohol		<0.000607	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.000869	mg/L	0.005
2-Methylphenol		<0.000950	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00151	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.000782	mg/L	0.005
n-Nitrosodi-n-propylamine		<0.00117	mg/L	0.005
Hexachloroethane		<0.000738	mg/L	0.005
Acetophenone		<0.00131	mg/L	0.005
Nitrobenzene		<0.00121	mg/L	0.005
n-Nitrosopiperidine		<0.00150	mg/L	0.005
Isophorone		<0.00114	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Nitrophenol		<0.00430	mg/L	0.005
2,4-Dimethylphenol		<0.00110	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00126	mg/L	0.005
2,4-Dichlorophenol		<0.00372	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00108	mg/L	0.005
Benzoic acid		<0.000478	mg/L	0.005
Naphthalene		<0.00123	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00316	mg/L	0.005
4-Chloroaniline		<0.000998	mg/L	0.005
2,6-Dichlorophenol		<0.00604	mg/L	0.01
Hexachlorobutadiene		<0.00104	mg/L	0.005
n-Nitroso-di-n-butylamine		<0.00159	mg/L	0.005
4-Chloro-3-methylphenol		<0.00102	mg/L	0.005
2-Methylnaphthalene		<0.00119	mg/L	0.005
1-Methylnaphthalene		<0.00118	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00104	mg/L	0.005
Hexachlorocyclopentadiene		<0.000808	mg/L	0.005
2,4,6-Trichlorophenol		<0.00538	mg/L	0.01
2,4,5-Trichlorophenol		<0.00477	mg/L	0.005
2-Chloronaphthalene		<0.00110	mg/L	0.005
1-Chloronaphthalene		<0.00110	mg/L	0.005
2-Nitroaniline		<0.00103	mg/L	0.005
Dimethylphthalate		<0.000832	mg/L	0.005
Acenaphthylene		<0.00104	mg/L	0.005
2,6-Dinitrotoluene		<0.00103	mg/L	0.005
3-Nitroaniline		<0.000706	mg/L	0.005
Acenaphthene		<0.000990	mg/L	0.005
2,4-Dinitrophenol		<0.00261	mg/L	0.005
Dibenzofuran		<0.000945	mg/L	0.005
Pentachlorobenzene		<0.000907	mg/L	0.005
4-Nitrophenol		<0.00914	mg/L	0.025
2,4-Dinitrotoluene		<0.000729	mg/L	0.005
1-Naphthylamine		<0.000928	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00510	mg/L	0.01
2-Naphthylamine		<0.00100	mg/L	0.005
Fluorene		<0.000919	mg/L	0.005
4-Chlorophenyl-phenylether		<0.000952	mg/L	0.005
Diethylphthalate		<0.000816	mg/L	0.005
4-Nitroaniline		<0.000622	mg/L	0.005
Diphenylhydrazine		<0.000786	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00311	mg/L	0.005
Diphenylamine		<0.000860	mg/L	0.005
4-Bromophenyl-phenylether		<0.000871	mg/L	0.005
Phenacetin		<0.000550	mg/L	0.005
Hexachlorobenzene		<0.000920	mg/L	0.005
4-Aminobiphenyl		<0.000934	mg/L	0.005
Pentachlorophenol		<0.00539	mg/L	0.01
Anthracene		<0.000826	mg/L	0.005
Pentachloronitrobenzene		<0.000934	mg/L	0.005
Pronamide		<0.000716	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Phenanthrene		<0.000830	mg/L	0.005
Di-n-butylphthalate		<0.000811	mg/L	0.005
Fluoranthene		<0.000778	mg/L	0.005
Benzidine		<0.0167	mg/L	0.025
Pyrene		<0.00101	mg/L	0.005
p-Dimethylaminoazobenzene		<0.000974	mg/L	0.005
Butylbenzylphthalate		<0.000900	mg/L	0.005
Benzo(a)anthracene		<0.000632	mg/L	0.005
3,3-Dichlorobenzidine		<0.000938	mg/L	0.005
Chrysene		<0.000937	mg/L	0.005
bis(2-ethylhexyl)phthalate		0.00740	mg/L	0.005
Di-n-octylphthalate		<0.000689	mg/L	0.005
Benzo(b)fluoranthene		<0.000492	mg/L	0.005
Benzo(k)fluoranthene		<0.000887	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.000687	mg/L	0.005
Benzo(a)pyrene		<0.000712	mg/L	0.005
3-Methylcholanthrene		<0.000641	mg/L	0.005
Dibenzo(a,j)acridine		<0.000620	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.000655	mg/L	0.005
Dibenzo(a,h)anthracene		<0.000684	mg/L	0.005
Benzo(g,h,i)perylene		<0.000324	mg/L	0.005
2-Butoxy Ethanol		<0.00150	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0242	mg/L	1	0.0800	30	15.6 - 49.6
Phenol-d5		0.0179	mg/L	1	0.0800	22	10.2 - 33.6
Nitrobenzene-d5		0.0597	mg/L	1	0.0800	75	46.7 - 112
2-Fluorobiphenyl		0.0616	mg/L	1	0.0800	77	44.4 - 108
2,4,6-Tribromophenol		0.0381	mg/L	1	0.0800	48	24.9 - 147
Terphenyl-d14		0.0729	mg/L	1	0.0800	91	25.6 - 143

Method Blank (1) QC Batch: 33125

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 33128

QC Batch: 33128 Date Analyzed: 2006-12-26 Analyzed By: JS
Prep Batch: 28801 QC Preparation: 2006-12-26 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Duplicates (1)

QC Batch: 32905 Date Analyzed: 2006-12-13 Analyzed By: JG
Prep Batch: 28612 QC Preparation: 2006-12-13 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.11	7.12	s.u.	1	0	20

Duplicates (1)

QC Batch: 33065 Date Analyzed: 2006-12-19 Analyzed By: DR
Prep Batch: 28741 QC Preparation: 2006-12-19 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	53600	53700	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33071 Date Analyzed: 2006-12-18 Analyzed By: JG
Prep Batch: 28747 QC Preparation: 2006-12-18 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	53500	53200	mg/L	1	1	20

Duplicates (1)

QC Batch: 33076 Date Analyzed: 2006-12-22 Analyzed By: JG
Prep Batch: 28752 QC Preparation: 2006-12-22 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	6.3
Bicarbonate Alkalinity	132	134	mg/L as CaCo3	1	2	6.3
Total Alkalinity	132	134	mg/L as CaCo3	1	2	6.3

Laboratory Control Spike (LCS-1)

QC Batch: 32860 Date Analyzed: 2006-12-15 Analyzed By: SP
Prep Batch: 28578 QC Preparation: 2006-12-15 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	28.8	mg/L	1	25.0	<1.19	115	73.2 - 123

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	30.6	mg/L	1	25.0	<1.19	122	73.2 - 123	6	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	16.0	16.0	mg/L	1	15.0	107	107	57 - 132.3

Laboratory Control Spike (LCS-1)

QC Batch: 32868 Date Analyzed: 2006-12-15 Analyzed By: KB
Prep Batch: 28584 QC Preparation: 2006-12-15 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.02	mg/L	1	1.00	<0.0272	102	71.4 - 123

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	1.07	mg/L	1	1.00	<0.0272	107	71.4 - 123	5	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)	0.0984	0.0963	mg/L	1	0.100	98	96	73.8 - 122
4-Bromofluorobenzene (4-BFB)	0.0988	0.0913	mg/L	1	0.100	99	91	82.6 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 32895 Date Analyzed: 2006-12-16 Analyzed By: JG
Prep Batch: 28606 QC Preparation: 2006-12-16 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.0	µg/L	1	50.0	<0.0736	100	83.4 - 114
Benzene	52.4	µg/L	1	50.0	<0.0495	105	83.5 - 115
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	91.3 - 111
Toluene	48.3	µg/L	1	50.0	<0.0736	97	82 - 110
Chlorobenzene	50.5	µg/L	1	50.0	<0.0217	101	87.9 - 109

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

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control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	49.6	µg/L	1	50.0	<0.0736	99	83.4 - 114	1	20
Benzene	52.8	µg/L	1	50.0	<0.0495	106	83.5 - 115	1	20
Trichloroethene (TCE)	52.9	µg/L	1	50.0	<0.0495	106	91.3 - 111	3	20
Toluene	48.6	µg/L	1	50.0	<0.0736	97	82 - 110	1	20
Chlorobenzene	51.5	µg/L	1	50.0	<0.0217	103	87.9 - 109	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.6	50.7	µg/L	1	50.0	103	101	82.4 - 115
Toluene-d8	50.6	50.7	µg/L	1	50.0	101	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.9	48.7	µg/L	1	50.0	98	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 32969
Prep Batch: 28657
Date Analyzed: 2006-12-15
QC Preparation: 2006-12-15
Analyzed By: WB
Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.2	mg/L	1	12.5	<0.0181	98	90 - 110
Sulfate	13.0	mg/L	1	12.5	<0.0485	104	90 - 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
Chloride	12.3	mg/L	1	12.5	<0.0181	98	90 - 110	1	20
Sulfate	13.0	mg/L	1	12.5	<0.0485	104	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 32994
Prep Batch: 28613
Date Analyzed: 2006-12-20
QC Preparation: 2006-12-18
Analyzed By: RR
Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.127	mg/L	1	0.125	<0.000199	102	86.2 - 116
Dissolved Cadmium	0.240	mg/L	1	0.250	<0.000577	96	83.3 - 113
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112
Dissolved Copper	0.126	mg/L	1	0.125	<0.00127	101	84.3 - 114
Dissolved Lead	0.503	mg/L	1	0.500	<0.00398	101	81.1 - 111
Dissolved Zinc	0.225	mg/L	1	0.250	<0.00300	90	84.7 - 113

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
Dissolved Silver	0.124	mg/L	1	0.125	<0.000199	99	86.2 - 116	2	20
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.000577	94	83.3 - 113	2	20
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	0	20
Dissolved Copper	0.123	mg/L	1	0.125	<0.00127	98	84.3 - 114	2	20
Dissolved Lead	0.479	mg/L	1	0.500	<0.00398	96	81.1 - 111	5	20
Dissolved Zinc	0.223	mg/L	1	0.250	<0.00300	89	84.7 - 113	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: 33004 Date Analyzed: 2006-12-14 Analyzed By: WB
Prep Batch: 28664 QC Preparation: 2006-12-14 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.73	mg/L	1	2.50	<0.0429	109	90 - 110
Fluoride	2.72	mg/L	1	2.50	<0.0119	109	90 - 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
Bromide	2.73	mg/L	1	2.50	<0.0429	109	90 - 110	0	20
Fluoride	2.75	mg/L	1	2.50	<0.0119	110	90 - 110	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: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM
Prep Batch: 28703 QC Preparation: 2006-12-21 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.42	mg/L	1	5.00	<0.820	88	66 - 122

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
Ammonia-N	4.31	mg/L	1	5.00	<0.820	86	66 - 122	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: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	47.0	mg/L	1	50.0	<0.0309	94	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	48.4	mg/L	1	50.0	<0.0309	97	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 33098
Prep Batch: 28574
Date Analyzed: 2006-12-26
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.000274	96	87.9 - 111
Total Cadmium	0.238	mg/L	1	0.250	<0.000268	95	86.8 - 110
Total Chromium	0.103	mg/L	1	0.100	<0.00357	103	86.5 - 115
Total Copper	0.126	mg/L	1	0.125	<0.00127	101	83.4 - 117
Total Phosphorous	0.498	mg/L	1	0.500	<0.0229	100	87.3 - 114
Total Lead	0.499	mg/L	1	0.500	<0.00310	100	83 - 109
Total Zinc	0.231	mg/L	1	0.250	<0.000666	92	82.9 - 109

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.119	mg/L	1	0.125	<0.000274	95	87.9 - 111	1	20
Total Cadmium	0.238	mg/L	1	0.250	<0.000268	95	86.8 - 110	0	20
Total Chromium	0.102	mg/L	1	0.100	<0.00357	102	86.5 - 115	1	20
Total Copper	0.125	mg/L	1	0.125	<0.00127	100	83.4 - 117	1	20
Total Phosphorous	0.464	mg/L	1	0.500	<0.0229	93	87.3 - 114	7	20
Total Lead	0.514	mg/L	1	0.500	<0.00310	103	83 - 109	3	20
Total Zinc	0.227	mg/L	1	0.250	<0.000666	91	82.9 - 109	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: 33114
Prep Batch: 28786
Date Analyzed: 2006-12-21
QC Preparation: 2006-12-19
Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0180	mg/L	1	0.0800	<0.000590	22	10 - 51.1
2-Chlorophenol	0.0500	mg/L	1	0.0800	<0.00279	62	10 - 116
1,4-Dichlorobenzene (para)	0.0437	mg/L	1	0.0800	<0.000817	55	10.7 - 109
n-Nitrosodi-n-propylamine	0.0682	mg/L	1	0.0800	<0.00117	85	16.9 - 125
1,2,4-Trichlorobenzene	0.0596	mg/L	1	0.0800	<0.00108	74	13.9 - 134
4-Chloro-3-methylphenol	0.0415	mg/L	1	0.0800	<0.00102	52	13.3 - 141

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control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acenaphthene	0.0667	mg/L	1	0.0800	<0.000990	83	34 - 120
4-Nitrophenol	0.0135	mg/L	1	0.0800	<0.00914	17	12.8 - 106
2,4-Dinitrotoluene	0.0854	mg/L	1	0.0800	<0.000729	107	40.5 - 142
Pentachlorophenol	0.0549	mg/L	1	0.0800	<0.00539	69	10 - 152
Pyrene	0.0761	mg/L	1	0.0800	<0.00101	95	47.2 - 151

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	0.0183	mg/L	1	0.0800	<0.000590	23	10 - 51.1	2	20
2-Chlorophenol	0.0497	mg/L	1	0.0800	<0.00279	62	10 - 116	1	20
1,4-Dichlorobenzene (para)	0.0440	mg/L	1	0.0800	<0.000817	55	10.7 - 109	1	20
n-Nitrosodi-n-propylamine	0.0704	mg/L	1	0.0800	<0.00117	88	16.9 - 125	3	20
1,2,4-Trichlorobenzene	0.0598	mg/L	1	0.0800	<0.00108	75	13.9 - 134	0	20
4-Chloro-3-methylphenol	0.0434	mg/L	1	0.0800	<0.00102	54	13.3 - 141	4	20
Acenaphthene	0.0670	mg/L	1	0.0800	<0.000990	84	34 - 120	0	20
4-Nitrophenol	0.0136	mg/L	1	0.0800	<0.00914	17	12.8 - 106	1	20
2,4-Dinitrotoluene	0.0833	mg/L	1	0.0800	<0.000729	104	40.5 - 142	2	20
Pentachlorophenol	0.0575	mg/L	1	0.0800	<0.00539	72	10 - 152	5	20
Pyrene	0.0772	mg/L	1	0.0800	<0.00101	96	47.2 - 151	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0263	0.0261	mg/L	1	0.0800	33	33	10 - 77.8
Phenol-d5	0.0190	0.0187	mg/L	1	0.0800	24	23	10 - 47
Nitrobenzene-d5	0.0738	0.0730	mg/L	1	0.0800	92	91	10 - 170
2-Fluorobiphenyl	0.0732	0.0725	mg/L	1	0.0800	92	91	10 - 200
2,4,6-Tribromophenol	0.0761	0.0772	mg/L	1	0.0800	95	96	29 - 99.9
Terphenyl-d14	0.0793	0.0803	mg/L	1	0.0800	99	100	10 - 179

Laboratory Control Spike (LCS-1)

QC Batch: 33125
Prep Batch: 28574
Date Analyzed: 2006-12-27
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	56.6	mg/L	1	50.0	<0.0309	113	87.1 - 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
Total Sodium	57.1	mg/L	1	50.0	<0.0309	114	87.1 - 120	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: 33128 | Date Analyzed: 2006-12-26 | Analyzed By: JS
Prep Batch: 28801 | QC Preparation: 2006-12-26 | Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.152	mg/L	1	0.160	<0.0223	95	82.2 - 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	0.160	mg/L	1	0.160	<0.0223	100	82.2 - 115	5	20

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

Matrix Spike (MS-1) Spiked Sample: 111623

QC Batch: 32860 | Date Analyzed: 2006-12-15 | Analyzed By: SP
Prep Batch: 28578 | QC Preparation: 2006-12-15 | Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.3	mg/L	1	25.0	<1.19	105	77.8 - 112

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]	28.8	mg/L	1	25.0	<1.19	115	77.8 - 112	9	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	16.3	17.3	mg/L	1	15	109	115	57 - 132.3

Matrix Spike (MS-1) Spiked Sample: 111685

QC Batch: 32895 | Date Analyzed: 2006-12-16 | Analyzed By: JG
Prep Batch: 28606 | QC Preparation: 2006-12-16 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	78.7 - 119
Benzene	51.5	µg/L	1	50.0	<0.0495	103	75.8 - 125
Trichloroethene (TCE)	49.8	µg/L	1	50.0	<0.0495	100	83.6 - 112
Toluene	46.2	µg/L	1	50.0	<0.0736	92	81.6 - 115
Chlorobenzene	48.4	µg/L	1	50.0	<0.0217	97	83.9 - 113

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

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	50.9	µg/L	1	50.0	<0.0736	102	78.7 - 119	1	20
Benzene	52.6	µg/L	1	50.0	<0.0495	105	75.8 - 125	2	20
Trichloroethene (TCE)	51.1	µg/L	1	50.0	<0.0495	102	83.6 - 112	3	20
Toluene	47.0	µg/L	1	50.0	<0.0736	94	81.6 - 115	2	20
Chlorobenzene	50.3	µg/L	1	50.0	<0.0217	101	83.9 - 113	4	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.5	50.2	µg/L	1	50	105	100	86.6 - 114
Toluene-d8	49.9	49.0	µg/L	1	50	100	98	91 - 109
4-Bromofluorobenzene (4-BFB)	46.4	45.4	µg/L	1	50	93	91	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 111691

QC Batch: 32969 | Date Analyzed: 2006-12-15 | Analyzed By: WB
Prep Batch: 28657 | QC Preparation: 2006-12-15 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	76600	mg/L	5000	62500	13200	101	10 - 6384
Sulfate	85900	mg/L	5000	62500	22200	102	86.2 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	77300	mg/L	5000	62500	13200	102	10 - 6384	1	20
Sulfate	86300	mg/L	5000	62500	22200	102	86.2 - 117	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: 111614

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.000199	92	90.1 - 120
Dissolved Cadmium	0.195	mg/L	1	0.250	<0.000577	78	75 - 112
Dissolved Chromium	0.0820	mg/L	1	0.100	<0.00357	82	75 - 121
Dissolved Copper	0.118	mg/L	1	0.125	0.003	92	81.5 - 125
Dissolved Lead	0.495	mg/L	1	0.500	<0.00398	99	75 - 111
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00300	94	80.4 - 120

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
Dissolved Silver	0.116	mg/L	1	0.125	<0.000199	93	90.1 - 120	1	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.192	mg/L	1	0.250	<0.000577	77	75 - 112	2	20
Dissolved Chromium	0.0870	mg/L	1	0.100	<0.00357	87	75 - 121	6	20
Dissolved Copper	0.117	mg/L	1	0.125	0.003	91	81.5 - 125	1	20
Dissolved Lead	0.486	mg/L	1	0.500	<0.00398	97	75 - 111	2	20
Dissolved Zinc	0.227	mg/L	1	0.250	<0.00300	91	80.4 - 120	4	20

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

Matrix Spike (MS-1) Spiked Sample: 111687

QC Batch: 33004
Prep Batch: 28664
Date Analyzed: 2006-12-14
QC Preparation: 2006-12-14
Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	254	mg/L	200	250	<8.58	102	95.4 - 114
Fluoride	247	mg/L	200	250	<2.38	98	73.4 - 119

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
Bromide	252	mg/L	200	250	<8.58	101	95.4 - 114	1	20
Fluoride	258	mg/L	200	250	<2.38	102	73.4 - 119	4	20

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

Matrix Spike (MS-1) Spiked Sample: 111619

QC Batch: 33017
Prep Batch: 28703
Date Analyzed: 2006-12-21
QC Preparation: 2006-12-21
Analyzed By: SM
Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	3.98	mg/L	1	5.00	<0.820	80	58 - 134

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
Ammonia-N	3.53	mg/L	1	5.00	<0.820	71	58 - 134	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: 111614

QC Batch: 33035
Prep Batch: 28613
Date Analyzed: 2006-12-21
QC Preparation: 2006-12-18
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	2040	mg/L	1	50.0	2000	80	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	2040	mg/L	1	50.0	2000	80	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.119	mg/L	1	0.125	<0.000274	95	88.2 - 114
Total Cadmium	0.197	mg/L	1	0.250	<0.000268	79	66.5 - 121
Total Chromium	0.0860	mg/L	1	0.100	<0.00357	86	69.2 - 129
Total Copper	0.118	mg/L	1	0.125	<0.00127	94	83.8 - 118
Total Phosphorous	0.469	mg/L	1	0.500	0.028	88	70.1 - 115
Total Lead	0.461	mg/L	1	0.500	<0.00310	92	71.9 - 115
Total Zinc	0.228	mg/L	1	0.250	<0.000666	91	75.5 - 113

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.116	mg/L	1	0.125	<0.000274	93	88.2 - 114	3	20
Total Cadmium	0.211	mg/L	1	0.250	<0.000268	84	66.5 - 121	7	20
Total Chromium	0.0910	mg/L	1	0.100	<0.00357	91	69.2 - 129	6	20
Total Copper	0.120	mg/L	1	0.125	<0.00127	96	83.8 - 118	2	20
Total Phosphorous	0.484	mg/L	1	0.500	0.028	91	70.1 - 115	3	20
Total Lead	0.489	mg/L	1	0.500	<0.00310	98	71.9 - 115	6	20
Total Zinc	0.225	mg/L	1	0.250	<0.000666	90	75.5 - 113	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: 112182

QC Batch: 33114 Date Analyzed: 2006-12-21 Analyzed By: DS
Prep Batch: 28786 QC Preparation: 2006-12-19 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0173	mg/L	1	0.0800	<0.000590	22	10 - 60.9
2-Chlorophenol	0.0451	mg/L	1	0.0800	<0.00279	56	10 - 125
1,4-Dichlorobenzene (para)	0.0526	mg/L	1	0.0800	<0.000817	66	10 - 180
n-Nitrosodi-n-propylamine	0.0719	mg/L	1	0.0800	<0.00117	90	16 - 95
1,2,4-Trichlorobenzene	0.0651	mg/L	1	0.0800	<0.00108	81	10 - 187
4-Chloro-3-methylphenol	0.0446	mg/L	1	0.0800	<0.00102	56	10 - 170

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acenaphthene	0.0683	mg/L	1	0.0800	<0.000990	85	10 - 173
4-Nitrophenol	0.00920	mg/L	1	0.0800	<0.00914	12	10 - 155
2,4-Dinitrotoluene	0.0785	mg/L	1	0.0800	<0.000729	98	10 - 240
Pentachlorophenol	0.0314	mg/L	1	0.0800	<0.00539	39	10 - 153
Pyrene	0.0756	mg/L	1	0.0800	<0.00101	94	10 - 182

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0172	mg/L	1	0.0800	<0.000590	22	10 - 60.9	1	20
2-Chlorophenol	0.0446	mg/L	1	0.0800	<0.00279	56	10 - 125	1	20
1,4-Dichlorobenzene (para)	0.0514	mg/L	1	0.0800	<0.000817	64	10 - 180	2	20
n-Nitrosodi-n-propylamine	0.0743	mg/L	1	0.0800	<0.00117	93	16 - 95	3	20
1,2,4-Trichlorobenzene	0.0653	mg/L	1	0.0800	<0.00108	82	10 - 187	0	20
4-Chloro-3-methylphenol	0.0450	mg/L	1	0.0800	<0.00102	56	10 - 170	1	20
Acenaphthene	0.0670	mg/L	1	0.0800	<0.000990	84	10 - 173	2	20
4-Nitrophenol	0.00930	mg/L	1	0.0800	<0.00914	12	10 - 155	1	20
2,4-Dinitrotoluene	0.0786	mg/L	1	0.0800	<0.000729	98	10 - 240	0	20
Pentachlorophenol	0.0312	mg/L	1	0.0800	<0.00539	39	10 - 153	1	20
Pyrene	0.0742	mg/L	1	0.0800	<0.00101	93	10 - 182	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	0.0216	0.0211	mg/L	1	0.08	27	26	10 - 71.4
Phenol-d5	0.0169	0.0174	mg/L	1	0.08	21	22	10 - 53.1
Nitrobenzene-d5	0.0756	0.0761	mg/L	1	0.08	94	95	10 - 200
2-Fluorobiphenyl	0.0611	0.0616	mg/L	1	0.08	76	77	11 - 145
2,4,6-Tribromophenol	0.0528	0.0517	mg/L	1	0.08	66	65	10 - 174
Terphenyl-d14	0.0769	0.0758	mg/L	1	0.08	96	95	10 - 164

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33125
Prep Batch: 28574
Date Analyzed: 2006-12-27
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	2150	mg/L	1	50.0	2100	100	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 Sodium	2150	mg/L	1	50.0	2100	100	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: 111614

QC Batch: 33128 Date Analyzed: 2006-12-26 Analyzed By: JS
Prep Batch: 28801 QC Preparation: 2006-12-26 Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[3]	48.9	mg/L	500	80.0	56.9	-10	25.4 - 158

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[4]	54.5	mg/L	500	500	56.9	0	25.4 - 158	11	20

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

Standard (ICV-1)

QC Batch: 32860 Date Analyzed: 2006-12-15 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	266	106	85 - 115	2006-12-15

Standard (CCV-1)

QC Batch: 32860 Date Analyzed: 2006-12-15 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	263	105	85 - 115	2006-12-15

Standard (ICV-1)

QC Batch: 32868 Date Analyzed: 2006-12-15 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.979	98	85 - 115	2006-12-15

Standard (CCV-1)

QC Batch: 32868 Date Analyzed: 2006-12-15 Analyzed By: KB

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.00	100	85 - 115	2006-12-15

Standard (CCV-1)

QC Batch: 32895 Date Analyzed: 2006-12-16 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	54.8	110	80 - 120	2006-12-16
1,1-Dichloroethene		µg/L	50.0	50.7	101	80 - 120	2006-12-16
Chloroform		µg/L	50.0	49.4	99	80 - 120	2006-12-16
1,2-Dichloropropane		µg/L	50.0	51.3	103	80 - 120	2006-12-16
Toluene		µg/L	50.0	47.9	96	80 - 120	2006-12-16
Chlorobenzene		µg/L	50.0	51.9	104	80 - 120	2006-12-16
Ethylbenzene		µg/L	50.0	53.9	108	80 - 120	2006-12-16

Standard (CCV-2)

QC Batch: 32895 Date Analyzed: 2006-12-16 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	57.1	114	80 - 120	2006-12-16
1,1-Dichloroethene		µg/L	50.0	51.1	102	80 - 120	2006-12-16
Chloroform		µg/L	50.0	50.8	102	80 - 120	2006-12-16
1,2-Dichloropropane		µg/L	50.0	51.8	104	80 - 120	2006-12-16
Toluene		µg/L	50.0	48.8	98	80 - 120	2006-12-16
Chlorobenzene		µg/L	50.0	51.8	104	80 - 120	2006-12-16
Ethylbenzene		µg/L	50.0	53.8	108	80 - 120	2006-12-16

Standard (ICV-1)

QC Batch: 32905 Date Analyzed: 2006-12-13 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2006-12-13

Standard (CCV-1)

QC Batch: 32905 Date Analyzed: 2006-12-13 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2006-12-13

Standard (ICV-1)

QC Batch: 32969 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.1	105	90 - 110	2006-12-15
Sulfate		mg/L	12.5	13.7	110	90 - 110	2006-12-15

Standard (CCV-1)

QC Batch: 32969 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2006-12-15
Sulfate		mg/L	12.5	13.1	105	90 - 110	2006-12-15

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.122	98	90 - 110	2006-12-20
Dissolved Cadmium		mg/L	1.00	0.954	95	95 - 105	2006-12-20
Dissolved Chromium		mg/L	1.00	0.954	95	90 - 110	2006-12-20
Dissolved Copper		mg/L	1.00	0.976	98	90 - 110	2006-12-20
Dissolved Lead		mg/L	1.00	1.00	100	90 - 110	2006-12-20
Dissolved Zinc		mg/L	1.00	1.00	100	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.121	97	90 - 110	2006-12-20
Dissolved Cadmium		mg/L	1.00	0.928	93	90 - 110	2006-12-20
Dissolved Chromium		mg/L	1.00	0.923	92	90 - 110	2006-12-20
Dissolved Copper		mg/L	1.00	0.952	95	90 - 110	2006-12-20
Dissolved Lead		mg/L	1.00	0.966	97	90 - 110	2006-12-20

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standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	0.982	98	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 33004 Date Analyzed: 2006-12-14 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.26	90	90 - 110	2006-12-14
Fluoride		mg/L	2.50	2.74	110	90 - 110	2006-12-14

Standard (CCV-1)

QC Batch: 33004 Date Analyzed: 2006-12-14 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.46	98	90 - 110	2006-12-14
Fluoride		mg/L	2.50	2.67	107	90 - 110	2006-12-14

Standard (ICV-1)

QC Batch: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.98	100	85 - 115	2006-12-21

Standard (CCV-1)

QC Batch: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.82	96	85 - 115	2006-12-21

Standard (ICV-1)

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	52.0	104	90 - 110	2006-12-21

Standard (CCV-1)

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	54.0	108	90 - 110	2006-12-21

Standard (ICV-1)

QC Batch: 33065 Date Analyzed: 2006-12-19 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2006-12-19

Standard (CCV-1)

QC Batch: 33065 Date Analyzed: 2006-12-19 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2006-12-19

Standard (ICV-1)

QC Batch: 33071 Date Analyzed: 2006-12-18 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	999	100	94.4 - 106	2006-12-18

Standard (CCV-1)

QC Batch: 33071 Date Analyzed: 2006-12-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	992	99	94.4 - 106	2006-12-18

Standard (ICV-1)

QC Batch: 33076 Date Analyzed: 2006-12-22 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-22
Carbonate Alkalinity		mg/L as CaCo3	0.00	224		0 - 105	2006-12-22
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	14.0		0 - 105	2006-12-22
Total Alkalinity		mg/L as CaCo3	250	238	95	93.7 - 99.9	2006-12-22

Standard (CCV-1)

QC Batch: 33076 Date Analyzed: 2006-12-22 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-22
Carbonate Alkalinity		mg/L as CaCo3	0.00	220		0 - 105	2006-12-22
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	28.0		0 - 105	2006-12-22
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 99.9	2006-12-22

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2006-12-26
Total Cadmium		mg/L	1.00	0.971	97	90 - 110	2006-12-26
Total Chromium		mg/L	1.00	0.967	97	90 - 110	2006-12-26
Total Copper		mg/L	1.00	1.00	100	90 - 110	2006-12-26
Total Phosphorous		mg/L	5.00	4.90	98	90 - 110	2006-12-26
Total Lead		mg/L	1.00	1.02	102	90 - 110	2006-12-26
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.120	96	90 - 110	2006-12-26
Total Cadmium		mg/L	1.00	0.917	92	90 - 110	2006-12-26
Total Chromium		mg/L	1.00	0.907	91	90 - 110	2006-12-26
Total Copper		mg/L	1.00	0.932	93	90 - 110	2006-12-26
Total Phosphorous		mg/L	5.00	4.60	92	90 - 110	2006-12-26
Total Lead		mg/L	1.00	0.959	96	90 - 110	2006-12-26

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standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.971	97	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33114 Date Analyzed: 2006-12-21 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	63.4	106	80 - 120	2006-12-21
1,4-Dichlorobenzene (para)		mg/L	60.0	61.6	103	80 - 120	2006-12-21
2-Nitrophenol		mg/L	60.0	70.2	117	80 - 120	2006-12-21
2,4-Dichlorophenol		mg/L	60.0	52.7	88	80 - 120	2006-12-21
Hexachlorobutadiene		mg/L	60.0	65.6	109	80 - 120	2006-12-21
4-Chloro-3-methylphenol		mg/L	60.0	53.7	90	80 - 120	2006-12-21
2,4,6-Trichlorophenol		mg/L	60.0	70.5	118	80 - 120	2006-12-21
Acenaphthene		mg/L	60.0	61.9	103	80 - 120	2006-12-21
Diphenylamine		mg/L	60.0	59.5	99	80 - 120	2006-12-21
Pentachlorophenol		mg/L	60.0	70.8	118	80 - 120	2006-12-21
Fluoranthene		mg/L	60.0	59.2	99	80 - 120	2006-12-21
Di-n-octylphthalate		mg/L	60.0	57.8	96	80 - 120	2006-12-21
Benzo(a)pyrene		mg/L	60.0	65.5	109	80 - 120	2006-12-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		63.0	mg/L	1	60.0	105	80 - 120
Phenol-d5		63.5	mg/L	1	60.0	106	80 - 120
Nitrobenzene-d5	[5]	73.1	mg/L	1	60.0	122	80 - 120
2-Fluorobiphenyl		60.5	mg/L	1	60.0	101	80 - 120
2,4,6-Tribromophenol		67.2	mg/L	1	60.0	112	80 - 120
Terphenyl-d14		65.9	mg/L	1	60.0	110	80 - 120

Standard (CCV-2)

QC Batch: 33114 Date Analyzed: 2006-12-21 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	68.6	114	80 - 120	2006-12-21
1,4-Dichlorobenzene (para)		mg/L	60.0	60.9	102	80 - 120	2006-12-21
2-Nitrophenol		mg/L	60.0	66.4	111	80 - 120	2006-12-21
2,4-Dichlorophenol		mg/L	60.0	59.9	100	80 - 120	2006-12-21
Hexachlorobutadiene		mg/L	60.0	59.5	99	80 - 120	2006-12-21
4-Chloro-3-methylphenol		mg/L	60.0	56.2	94	80 - 120	2006-12-21
2,4,6-Trichlorophenol		mg/L	60.0	63.9	106	80 - 120	2006-12-21

continued . . .

[5]Nitrobenzene-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 106% which is within acceptable range. This is acceptable by Method 8000.

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acenaphthene		mg/L	60.0	60.0	100	80 - 120	2006-12-21
Diphenylamine		mg/L	60.0	60.2	100	80 - 120	2006-12-21
Pentachlorophenol		mg/L	60.0	71.1	118	80 - 120	2006-12-21
Fluoranthene		mg/L	60.0	65.6	109	80 - 120	2006-12-21
Di-n-octylphthalate		mg/L	60.0	57.9	96	80 - 120	2006-12-21
Benzo(a)pyrene		mg/L	60.0	64.7	108	80 - 120	2006-12-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		63.0	mg/L	1	60.0	105	80 - 120
Phenol-d5		68.4	mg/L	1	60.0	114	80 - 120
Nitrobenzene-d5		72.0	mg/L	1	60.0	120	80 - 120
2-Fluorobiphenyl		65.3	mg/L	1	60.0	109	80 - 120
2,4,6-Tribromophenol		52.6	mg/L	1	60.0	88	80 - 120
Terphenyl-d14		63.6	mg/L	1	60.0	106	80 - 120

Standard (ICV-1)

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	51.7	103	90 - 110	2006-12-27

Standard (CCV-1)

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	48.6	97	90 - 110	2006-12-27

Standard (ICV-1)

QC Batch: 33128 Date Analyzed: 2006-12-26 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/L	0.160	0.181	113	85 - 115	2006-12-26

Standard (CCV-1)

QC Batch: 33128 Date Analyzed: 2006-12-26 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/L	0.160	0.149	93	85 - 115	2006-12-26