Analytical and Quality Control Report

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Report Date: February 5, 2007

Work Order: 7011207

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
113751	HLSF-0085-DRW005-0107	water	2007-01-10	09:15	2007-01-10
113752	HLSF-0085-TB-739-0107	water	2007-01-10	09:15	2007-01-10

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: 113751 - HLSF-0085-DRW005-0107

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	33694	Date Analyzed:	2007-01-16	Analyzed By:	JG
Prep Batch:	29267	Sample Preparation:	2007-01-16	Prepared By:	JR

Parameter	Flag	Result	RL	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		**3140**		mg/L as CaCo3	1	4.00
Total Alkalinity		**3140**		mg/L as CaCo3	1	4.00

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	33857	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29393	Sample Preparation:	2007-01-22	Prepared By:	SM

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

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	33614	Date Analyzed:	2007-01-11	Analyzed By:	DR
Prep Batch:	29208	Sample Preparation:	2007-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**10400**		µMHOS/cm	1	0.00

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33986	Date Analyzed:	2007-01-25	Analyzed By:	RR
Prep Batch:	29362	Sample Preparation:	2007-01-19	Prepared By:	TS

Parameter	Flag	Result	RL	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: 113751 - HLSF-0085-DRW005-0107

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33868	Date Analyzed:	2007-01-11	Analyzed By:	JR
Prep Batch:	29418	Sample Preparation:	2007-01-11	Prepared By:	JR
QC Batch:	33898	Date Analyzed:	2007-01-22	Analyzed By:	JR
Prep Batch:	29443	Sample Preparation:	2007-01-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		<1.00	mg/L	5	0.200
Chloride		**906**	mg/L	100	2.00
Fluoride		**1.87**	mg/L	5	0.200
Nitrite-N		<0.500	mg/L	5	0.100
Nitrate-N		<0.500	mg/L	5	0.100
Sulfate		**2470**	mg/L	1	1.00

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	33697	Date Analyzed:	2007-01-11	Analyzed By:	DR
Prep Batch:	29270	Sample Preparation:	2007-01-11	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.45**	s.u.	1	0.00

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33991	Date Analyzed:	2007-01-25	Analyzed By:	TP
Prep Batch:	29362	Sample Preparation:	2007-01-19	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Sodium		**2170**	mg/L	100	0.500

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	34033	Date Analyzed:	2007-01-26	Analyzed By:	TP
Prep Batch:	29503	Sample Preparation:	2007-01-25	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**2640**	mg/L	100	0.500

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	33661	Date Analyzed:	2007-01-15	Analyzed By:	DS
Prep Batch:	29243	Sample Preparation:	2007-01-15	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Pyridine	[1]	<0.0250		mg/L	5	0.00500
n-Nitrosodimethylamine		<0.0250		mg/L	5	0.00500
2-Picoline		<0.0250		mg/L	5	0.00500
Methyl methanesulfonate		<0.0250		mg/L	5	0.00500
Ethyl methanesulfonate		<0.0250		mg/L	5	0.00500
Phenol		<0.0250		mg/L	5	0.00500
Aniline		<0.0250		mg/L	5	0.00500
bis(2-chloroethyl)ether		<0.0250		mg/L	5	0.00500
2-Chlorophenol		<0.0250		mg/L	5	0.00500
1,3-Dichlorobenzene (meta)		<0.0250		mg/L	5	0.00500
1,4-Dichlorobenzene (para)		<0.0250		mg/L	5	0.00500
Benzyl alcohol		<0.0250		mg/L	5	0.00500
1,2-Dichlorobenzene (ortho)		<0.0250		mg/L	5	0.00500
2-Methylphenol		<0.0250		mg/L	5	0.00500
bis(2-chloroisopropyl)ether		<0.0250		mg/L	5	0.00500
4-Methylphenol / 3-Methylphenol		<0.0250		mg/L	5	0.00500
Acetophenone		<0.0250		mg/L	5	0.00500
n-Nitrosodi-n-propylamine		<0.0250		mg/L	5	0.00500
Hexachloroethane		<0.0250		mg/L	5	0.00500
Nitrobenzene		<0.0250		mg/L	5	0.00500
n-Nitrosopiperidine		<0.0250		mg/L	5	0.00500
Isophorone		<0.0250		mg/L	5	0.00500
2-Nitrophenol		<0.0250		mg/L	5	0.00500
2,4-Dimethylphenol		<0.0250		mg/L	5	0.00500
bis(2-chloroethoxy)methane		<0.0250		mg/L	5	0.00500
Benzoic acid		<0.0250		mg/L	5	0.00500
2,4-Dichlorophenol		<0.0250		mg/L	5	0.00500
1,2,4-Trichlorobenzene		<0.0250		mg/L	5	0.00500
a,a-Dimethylphenethylamine		<0.0250		mg/L	5	0.00500
Naphthalene		<0.0250		mg/L	5	0.00500
4-Chloroaniline		<0.0250		mg/L	5	0.00500
2,6-Dichlorophenol		<0.0500		mg/L	5	0.0100
Hexachlorobutadiene		<0.0250		mg/L	5	0.00500
n-Nitroso-di-n-butylamine		<0.0250		mg/L	5	0.00500
4-Chloro-3-methylphenol		<0.0250		mg/L	5	0.00500
1-Methylnaphthalene		<0.0250		mg/L	5	0.00500
2-Methylnaphthalene		<0.0250		mg/L	5	0.00500
1,2,4,5-Tetrachlorobenzene		<0.0250		mg/L	5	0.00500
Hexachlorocyclopentadiene		<0.0250		mg/L	5	0.00500
2,4,6-Trichlorophenol		<0.0500		mg/L	5	0.0100
2,4,5-Trichlorophenol		<0.0250		mg/L	5	0.00500
2-Chloronaphthalene		<0.0250		mg/L	5	0.00500
1-Chloronaphthalene		<0.0250		mg/L	5	0.00500
2-Nitroaniline		<0.0250		mg/L	5	0.00500

continued . . .

[1] Sample ran at a dilution due to precipitate formation in the concentrated extract.

sample 113751 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Dimethylphthalate		<0.0250		mg/L	5	0.00500
Acenaphthylene		<0.0250		mg/L	5	0.00500
2,6-Dinitrotoluene		<0.0250		mg/L	5	0.00500
3-Nitroaniline		<0.0250		mg/L	5	0.00500
Acenaphthene		<0.0250		mg/L	5	0.00500
2,4-Dinitrophenol		<0.0250		mg/L	5	0.00500
Dibenzofuran		<0.0250		mg/L	5	0.00500
Pentachlorobenzene		<0.0250		mg/L	5	0.00500
4-Nitrophenol		<0.125		mg/L	5	0.0250
1-Naphthylamine		<0.0250		mg/L	5	0.00500
2,4-Dinitrotoluene		<0.0250		mg/L	5	0.00500
2-Naphthylamine		<0.0250		mg/L	5	0.00500
2,3,4,6-Tetrachlorophenol		<0.0500		mg/L	5	0.0100
Fluorene		<0.0250		mg/L	5	0.00500
Diethylphthalate		<0.0250		mg/L	5	0.00500
4-Chlorophenyl-phenylether		<0.0250		mg/L	5	0.00500
4-Nitroaniline		<0.0250		mg/L	5	0.00500
4,6-Dinitro-2-methylphenol		<0.0250		mg/L	5	0.00500
Diphenylamine		<0.0250		mg/L	5	0.00500
Diphenylhydrazine		<0.0250		mg/L	5	0.00500
4-Bromophenyl-phenylether		<0.0250		mg/L	5	0.00500
Phenacetin		<0.0250		mg/L	5	0.00500
Hexachlorobenzene		<0.0250		mg/L	5	0.00500
4-Aminobiphenyl		<0.0250		mg/L	5	0.00500
Pentachlorophenol		<0.0500		mg/L	5	0.0100
Pentachloronitrobenzene		<0.0250		mg/L	5	0.00500
Pronamide		<0.0250		mg/L	5	0.00500
Phenanthrene		<0.0250		mg/L	5	0.00500
Anthracene		<0.0250		mg/L	5	0.00500
Di-n-butylphthalate		<0.0250		mg/L	5	0.00500
Fluoranthene		<0.0250		mg/L	5	0.00500
Benzidine		<0.125		mg/L	5	0.0250
Pyrene		<0.0250		mg/L	5	0.00500
p-Dimethylaminoazobenzene		<0.0250		mg/L	5	0.00500
Butylbenzylphthalate		<0.0250		mg/L	5	0.00500
Benzo(a)anthracene		<0.0250		mg/L	5	0.00500
3,3-Dichlorobenzidine		<0.0250		mg/L	5	0.00500
Chrysene		<0.0250		mg/L	5	0.00500
bis(2-ethylhexyl)phthalate		<0.0250		mg/L	5	0.00500
Di-n-octylphthalate		<0.0250		mg/L	5	0.00500
Benzo(b)fluoranthene		<0.0250		mg/L	5	0.00500
7,12-Dimethylbenz(a)anthracene		<0.0250		mg/L	5	0.00500
Benzo(k)fluoranthene		<0.0250		mg/L	5	0.00500
Benzo(a)pyrene		<0.0250		mg/L	5	0.00500
3-Methylcholanthrene		<0.0250		mg/L	5	0.00500
Dibenzo(a,j)acridine		<0.0250		mg/L	5	0.00500
Indeno(1,2,3-cd)pyrene		<0.0250		mg/L	5	0.00500
Dibenzo(a,h)anthracene		<0.0250		mg/L	5	0.00500
Benzo(g,h,i)perylene		<0.0250		mg/L	5	0.00500

continued ...

sample 113751 continued . . .

Parameter	Flag	Result	RL Result	Units	Dilution	RL
2-Butoxy Ethanol			<0.0250	mg/L	5	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0169	mg/L	5	0.0800	21	10 - 75.1
Phenol-d5		0.0141	mg/L	5	0.0800	18	10 - 56.2
Nitrobenzene-d5		0.0451	mg/L	5	0.0800	56	18.1 - 108
2-Fluorobiphenyl		0.0574	mg/L	5	0.0800	72	20 - 112
2,4,6-Tribromophenol		0.0247	mg/L	5	0.0800	31	10 - 135
Terphenyl-d14		0.0783	mg/L	5	0.0800	98	28.2 - 134

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33675	Date Analyzed:	2007-01-12	Analyzed By:	JG
Prep Batch:	29252	Sample Preparation:	2007-01-12	Prepared By:	JR

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Total Dissolved Solids			**8050**	mg/L	1	5.00

Sample: 113751 - HLSF-0085-DRW005-0107

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Total Organic Carbon			**15.1**	mg/L	1	1.00

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33924	Date Analyzed:	2007-01-24	Analyzed By:	RR
Prep Batch:	29503	Sample Preparation:	2007-01-25	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			<0.00500	mg/L	1	0.00500
Total Copper			<0.00500	mg/L	1	0.00500
Total Phosphorous			<0.0500	mg/L	1	0.0500
Total Lead			<0.00500	mg/L	1	0.00500
Total Zinc			<0.00500	mg/L	1	0.00500

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33676	Date Analyzed:	2007-01-16	Analyzed By:	SP
Prep Batch:	29255	Sample Preparation:	2007-01-16	Prepared By:	SP

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		15.0	mg/L	1	15.0	100	57 - 132.3

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	33608	Date Analyzed:	2007-01-12	Analyzed By:	KB
Prep Batch:	29202	Sample Preparation:	2007-01-12	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0815	mg/L	1	0.100	82	72.5 - 108
4-Bromofluorobenzene (4-BFB)		0.0930	mg/L	1	0.100	93	68.5 - 114

Sample: 113751 - HLSF-0085-DRW005-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	33838	Date Analyzed:	2007-01-18	Analyzed By:	JG
Prep Batch:	29389	Sample Preparation:	2007-01-18	Prepared By:	JG

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

continued . . .

sample 113751 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		**34.9**		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		**3.81**		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 113751 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		50.6	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		53.3	µg/L	1	50.0	107	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.3	µg/L	1	50.0	101	84.6 - 114

Sample: 113752 - HLSF-0085-TB-739-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	33838	Date Analyzed:	2007-01-18	Analyzed By:	JG
Prep Batch:	29389	Sample Preparation:	2007-01-18	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		**19.6**		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		**6.41**		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

continued . . .

sample 113752 continued ...

Parameter	Flag	Result	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	[2]	**380**	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

[2]Estimated concentration value greater than standard range.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.2	µg/L	1	50.0	98	82.4 - 115
Toluene-d8	[3]	54.3	µg/L	1	50.0	109	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.3	µg/L	1	50.0	97	84.6 - 114

Method Blank (1) QC Batch: 33608

QC Batch: 33608 Date Analyzed: 2007-01-12 Analyzed By: KB
Prep Batch: 29202 QC Preparation: 2007-01-12 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0288	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0986	mg/L	1	0.100	99	70 - 130

Method Blank (1) QC Batch: 33614

QC Batch: 33614 Date Analyzed: 2007-01-11 Analyzed By: DR
Prep Batch: 29208 QC Preparation: 2007-01-11 Prepared By: DR

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

Method Blank (1) QC Batch: 33661

QC Batch: 33661 Date Analyzed: 2007-01-15 Analyzed By: DS
Prep Batch: 29243 QC Preparation: 2007-01-15 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

continued . . .

[3]8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
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		0.0245	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		0.0256	mg/L	1	0.0800	32	15.6 - 49.6
Phenol-d5		0.0196	mg/L	1	0.0800	24	10.2 - 33.6
Nitrobenzene-d5		0.0586	mg/L	1	0.0800	73	46.7 - 112
2-Fluorobiphenyl		0.0617	mg/L	1	0.0800	77	44.4 - 108
2,4,6-Tribromophenol		0.0391	mg/L	1	0.0800	49	24.9 - 147
Terphenyl-d14		0.0960	mg/L	1	0.0800	120	25.6 - 143

Method Blank (1) QC Batch: 33675

QC Batch:	33675	Date Analyzed:	2007-01-12	Analyzed By:	JG
Prep Batch:	29252	QC Preparation:	2007-01-12	Prepared By:	JG

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

Method Blank (1) QC Batch: 33676

QC Batch: 33676 | Date Analyzed: 2007-01-16 | Analyzed By: SP
Prep Batch: 29255 | QC Preparation: 2007-01-16 | 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		15.3	mg/L	1	15.0	102	57 - 132.3

Method Blank (1) QC Batch: 33694

QC Batch: 33694 | Date Analyzed: 2007-01-16 | Analyzed By: JG
Prep Batch: 29267 | QC Preparation: 2007-01-16 | 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: 33838

QC Batch: 33838 | Date Analyzed: 2007-01-18 | Analyzed By: JG
Prep Batch: 29389 | QC Preparation: 2007-01-18 | Prepared By: JG

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

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		<0.689	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	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		0.260	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		0.0400	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		0.0700	µg/L	1
m,p-Xylene		0.130	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		0.0400	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		2.41	µg/L	5
Hexachlorobutadiene		1.19	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		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8	[4]	54.7	µg/L	1	50.0	109	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.1	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 33857

QC Batch: 33857 | Date Analyzed: 2007-01-22 | Analyzed By: SM
Prep Batch: 29393 | QC Preparation: 2007-01-22 | Prepared By: SM

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

Method Blank (1) QC Batch: 33868

QC Batch: 33868 | Date Analyzed: 2007-01-11 | Analyzed By: JR
Prep Batch: 29418 | QC Preparation: 2007-01-11 | Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0217	mg/L	0.2
Chloride		<0.0257	mg/L	2
Fluoride		<0.0168	mg/L	0.2
Nitrite-N		<0.0168	mg/L	0.1
Nitrate-N		<0.0168	mg/L	0.1

Method Blank (1) QC Batch: 33898

QC Batch: 33898 | Date Analyzed: 2007-01-22 | Analyzed By: JR
Prep Batch: 29443 | QC Preparation: 2007-01-22 | Prepared By: JR

[4] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 33924

QC Batch: 33924 | Date Analyzed: 2007-01-24 | Analyzed By: RR
Prep Batch: 29503 | QC Preparation: 2007-01-25 | 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: 33986

QC Batch: 33986 | Date Analyzed: 2007-01-25 | Analyzed By: RR
Prep Batch: 29362 | QC Preparation: 2007-01-19 | 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: 33991

QC Batch: 33991 | Date Analyzed: 2007-01-25 | Analyzed By: TP
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

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

Method Blank (1) QC Batch: 34014

QC Batch: 34014 | Date Analyzed: | Analyzed By:
Prep Batch: | QC Preparation: | Prepared By:

Parameter	Flag	MDL Result	Units	RL
Total Organic Carbon		<0.382	mg/L	1

Method Blank (1) QC Batch: 34033

QC Batch: 34033 Date Analyzed: 2007-01-26 Analyzed By: TP
Prep Batch: 29503 QC Preparation: 2007-01-25 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		0.350	mg/L	0.5

Duplicates (1)

QC Batch: 33614 Date Analyzed: 2007-01-11 Analyzed By: DR
Prep Batch: 29208 QC Preparation: 2007-01-11 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	12200	12200	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33675 Date Analyzed: 2007-01-12 Analyzed By: JG
Prep Batch: 29252 QC Preparation: 2007-01-12 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	9790	10500	mg/L	1	7	20

Duplicates (1)

QC Batch: 33694 Date Analyzed: 2007-01-16 Analyzed By: JG
Prep Batch: 29267 QC Preparation: 2007-01-16 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	206	202	mg/L as CaCo3	1	2	6.3
Total Alkalinity	206	202	mg/L as CaCo3	1	2	6.3

Duplicates (1)

QC Batch: 33697 Date Analyzed: 2007-01-11 Analyzed By: DR
Prep Batch: 29270 QC Preparation: 2007-01-11 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.52	7.52	s.u.	1	0	20

Laboratory Control Spike (LCS-1)

QC Batch: 33608 Date Analyzed: 2007-01-12 Analyzed By: KB
Prep Batch: 29202 QC Preparation: 2007-01-12 Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.947	mg/L	1	1.00	<0.0288	95	69.7 - 132

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	0.952	mg/L	1	1.00	<0.0288	95	69.7 - 132	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
Trifluorotoluene (TFT)	0.112	0.110	mg/L	1	0.100	112	110	74.4 - 114
4-Bromofluorobenzene (4-BFB)	0.106	0.103	mg/L	1	0.100	106	103	81.1 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 33661 Date Analyzed: 2007-01-15 Analyzed By: DS
Prep Batch: 29243 QC Preparation: 2007-01-15 Prepared By: DS

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0183	mg/L	1	0.0800	<0.000590	23	10 - 51.1
2-Chlorophenol		0.0452	mg/L	1	0.0800	<0.00279	56	10 - 116
1,4-Dichlorobenzene (para)		0.0446	mg/L	1	0.0800	<0.000817	56	10.7 - 109
n-Nitrosodi-n-propylamine		0.0667	mg/L	1	0.0800	<0.00117	83	16.9 - 125
1,2,4-Trichlorobenzene		0.0508	mg/L	1	0.0800	<0.00108	64	13.9 - 134
4-Chloro-3-methylphenol		0.0472	mg/L	1	0.0800	<0.00102	59	13.3 - 141
Acenaphthene		0.0507	mg/L	1	0.0800	<0.000990	63	34 - 120
4-Nitrophenol	[5]	<0.00914	mg/L	1	0.0800	<0.00914	0	12.8 - 106
2,4-Dinitrotoluene		0.0386	mg/L	1	0.0800	<0.000729	48	40.5 - 142
Pentachlorophenol		0.0321	mg/L	1	0.0800	<0.00539	40	10 - 152
Pyrene		0.0810	mg/L	1	0.0800	<0.00101	101	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	0.0159	mg/L	1	0.0800	<0.000590	20	10 - 51.1	14	20
2-Chlorophenol	0.0392	mg/L	1	0.0800	<0.00279	49	10 - 116	14	20
1,4-Dichlorobenzene (para)	0.0409	mg/L	1	0.0800	<0.000817	51	10.7 - 109	9	20

continued . . .

[5] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
n-Nitrosodi-n-propylamine	0.0493	mg/L	1	0.0800	<0.00117	62	16.9 - 125	30	20
1,2,4-Trichlorobenzene	0.0478	mg/L	1	0.0800	<0.00108	60	13.9 - 134	6	20
4-Chloro-3-methylphenol	0.0389	mg/L	1	0.0800	<0.00102	49	13.3 - 141	19	20
Acenaphthene	0.0480	mg/L	1	0.0800	<0.000990	60	34 - 120	6	20
4-Nitrophenol [6]	<0.00914	mg/L	1	0.0800	<0.00914	0	12.8 - 106	0	20
2,4-Dinitrotoluene	0.0380	mg/L	1	0.0800	<0.000729	48	40.5 - 142	2	20
Pentachlorophenol	0.0330	mg/L	1	0.0800	<0.00539	41	10 - 152	3	20
Pyrene	0.0748	mg/L	1	0.0800	<0.00101	94	47.2 - 151	8	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0252	0.0229	mg/L	1	0.0800	32	29	10 - 77.8
Phenol-d5	0.0196	0.0170	mg/L	1	0.0800	24	21	10 - 47
Nitrobenzene-d5	0.0567	0.0528	mg/L	1	0.0800	71	66	10 - 170
2-Fluorobiphenyl	0.0636	0.0597	mg/L	1	0.0800	80	75	10 - 200
2,4,6-Tribromophenol	0.0405	0.0371	mg/L	1	0.0800	51	46	29 - 99.9
Terphenyl-d14	0.0949	0.0873	mg/L	1	0.0800	119	109	10 - 179

Laboratory Control Spike (LCS-1)

QC Batch: 33676 | Date Analyzed: 2007-01-16 | Analyzed By: SP
Prep Batch: 29255 | QC Preparation: 2007-01-16 | Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.4	mg/L	1	25.0	<1.19	106	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	26.9	mg/L	1	25.0	<1.19	108	73.2 - 123	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	15.4	15.4	mg/L	1	15.0	103	103	57 - 132.3

Laboratory Control Spike (LCS-1)

QC Batch: 33838 | Date Analyzed: 2007-01-18 | Analyzed By: JG
Prep Batch: 29389 | QC Preparation: 2007-01-18 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	53.2	µg/L	1	50.0	<0.0736	106	83.4 - 114

continued . . .

[6] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •

control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	50.7	µg/L	1	50.0	<0.0495	101	83.5 - 115
Trichloroethene (TCE)	50.1	µg/L	1	50.0	<0.0495	100	91.3 - 111
Toluene	47.8	µg/L	1	50.0	<0.0736	96	82 - 110
Chlorobenzene	50.0	µg/L	1	50.0	<0.0217	100	87.9 - 109

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	51.8	µg/L	1	50.0	<0.0736	104	83.4 - 114	3	20
Benzene	50.3	µg/L	1	50.0	<0.0495	101	83.5 - 115	1	20
Trichloroethene (TCE)	49.5	µg/L	1	50.0	<0.0495	99	91.3 - 111	1	20
Toluene	47.2	µg/L	1	50.0	<0.0736	94	82 - 110	1	20
Chlorobenzene	49.6	µg/L	1	50.0	<0.0217	99	87.9 - 109	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.0	51.3	µg/L	1	50.0	102	103	82.4 - 115
Toluene-d8	50.9	51.7	µg/L	1	50.0	102	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.2	51.2	µg/L	1	50.0	102	102	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 33857 | Date Analyzed: 2007-01-22 | Analyzed By: SM
Prep Batch: 29393 | QC Preparation: 2007-01-22 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.48	mg/L	1	5.00	<0.820	90	68.5 - 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
Ammonia-N	4.65	mg/L	1	5.00	<0.820	93	68.5 - 111	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 33868 | Date Analyzed: 2007-01-11 | Analyzed By: JR
Prep Batch: 29418 | QC Preparation: 2007-01-11 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.49	mg/L	1	2.50	<0.0217	100	90 - 110
Chloride	12.2	mg/L	1	12.5	<0.0257	98	90 - 110
Fluoride	2.53	mg/L	1	2.50	<0.0168	101	88.6 - 107
Nitrite-N	2.52	mg/L	1	2.50	<0.0168	101	90 - 110

continued . . .

control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.51	mg/L	1	2.50	<0.0168	100	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	2.49	mg/L	1	2.50	<0.0217	100	90 - 110	0	20
Chloride	12.2	mg/L	1	12.5	<0.0257	98	90 - 110	0	20
Fluoride	2.52	mg/L	1	2.50	<0.0168	101	88.6 - 107	0	20
Nitrite-N	2.52	mg/L	1	2.50	<0.0168	101	90 - 110	0	20
Nitrate-N	2.52	mg/L	1	2.50	<0.0168	101	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: 33898 | Date Analyzed: 2007-01-22 | Analyzed By: JR
Prep Batch: 29443 | QC Preparation: 2007-01-22 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.6	mg/L	1	12.5	<0.0598	101	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
Sulfate	12.6	mg/L	1	12.5	<0.0598	101	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: 33924 | Date Analyzed: 2007-01-24 | Analyzed By: RR
Prep Batch: 29503 | QC Preparation: 2007-01-25 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.124	mg/L	1	0.125	<0.000274	99	87.9 - 111
Total Cadmium	0.252	mg/L	1	0.250	<0.000268	101	86.8 - 110
Total Chromium	0.106	mg/L	1	0.100	<0.00357	106	86.5 - 115
Total Copper	0.129	mg/L	1	0.125	<0.00127	103	83.4 - 117
Total Phosphorous	0.525	mg/L	1	0.500	<0.0229	105	87.3 - 114
Total Lead	0.516	mg/L	1	0.500	<0.00310	103	83 - 109
Total Zinc	0.242	mg/L	1	0.250	<0.000666	97	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	0.122	mg/L	1	0.125	<0.000274	98	87.9 - 111	2	20
Total Cadmium	0.249	mg/L	1	0.250	<0.000268	100	86.8 - 110	1	20

continued . . .

control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.110	mg/L	1	0.100	<0.00357	110	86.5 - 115	4	20
Total Copper	0.131	mg/L	1	0.125	<0.00127	105	83.4 - 117	2	20
Total Phosphorous	0.517	mg/L	1	0.500	<0.0229	103	87.3 - 114	2	20
Total Lead	0.510	mg/L	1	0.500	<0.00310	102	83 - 109	1	20
Total Zinc	0.242	mg/L	1	0.250	<0.000666	97	82.9 - 109	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: 33986 | Date Analyzed: 2007-01-25 | Analyzed By: RR
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.121	mg/L	1	0.125	<0.000199	97	86.2 - 116
Dissolved Cadmium	0.234	mg/L	1	0.250	<0.000577	94	83.3 - 113
Dissolved Chromium	0.102	mg/L	1	0.100	<0.00357	102	83 - 112
Dissolved Copper	0.124	mg/L	1	0.125	<0.00127	99	84.3 - 114
Dissolved Lead	0.494	mg/L	1	0.500	<0.00398	99	81.1 - 111
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00300	91	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	0.122	mg/L	1	0.125	<0.000199	98	86.2 - 116	1	20
Dissolved Cadmium	0.231	mg/L	1	0.250	<0.000577	92	83.3 - 113	1	20
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	4	20
Dissolved Copper	0.132	mg/L	1	0.125	<0.00127	106	84.3 - 114	6	20
Dissolved Lead	0.482	mg/L	1	0.500	<0.00398	96	81.1 - 111	2	20
Dissolved Zinc	0.233	mg/L	1	0.250	<0.00300	93	84.7 - 113	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: 33991 | Date Analyzed: 2007-01-25 | Analyzed By: TP
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	53.6	mg/L	1	50.0	<0.0309	107	79.4 - 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
Dissolved Sodium	51.2	mg/L	1	50.0	<0.0309	102	79.4 - 123	5	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 34014 | Date Analyzed: | Analyzed By:
Prep Batch: | QC Preparation: | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.60	mg/L	1	5.00	<0.382	112	70 - 130

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 Organic Carbon	5.25	mg/L	1	5.00	<0.382	105	70 - 130	6	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: 34033 | Date Analyzed: 2007-01-26 | Analyzed By: TP
Prep Batch: 29503 | QC Preparation: 2007-01-25 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	51.8	mg/L	1	50.0	<0.0309	104	87.3 - 124

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	51.9	mg/L	1	50.0	<0.0309	104	87.3 - 124	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: 113421

QC Batch: 33608 | Date Analyzed: 2007-01-12 | Analyzed By: KB
Prep Batch: 29202 | QC Preparation: 2007-01-12 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.708	mg/L	1	1.00	<0.0288	71	53.5 - 132

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	0.860	mg/L	1	1.00	<0.0288	86	53.5 - 132	19	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
Trifluorotoluene (TFT)	[7]	0.0732	0.0962	mg/L	1	0.1	73	96	75.6 - 108

continued . . .

[7] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB) [8]	0.0728	0.0999	mg/L	1	0.1	73	100	78.9 - 109

Matrix Spike (MS-1) Spiked Sample: 113763

QC Batch: 33676 Date Analyzed: 2007-01-16 Analyzed By: SP
Prep Batch: 29255 QC Preparation: 2007-01-16 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.0	mg/L	1	25.0	<1.19	96	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	23.7	mg/L	1	25.0	<1.19	95	77.8 - 112	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	16.7	16.7	mg/L	1	15	111	111	57 - 132.3

Matrix Spike (MS-1) Spiked Sample: 113757

QC Batch: 33838 Date Analyzed: 2007-01-18 Analyzed By: JG
Prep Batch: 29389 QC Preparation: 2007-01-18 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	53.2	µg/L	1	50.0	<0.0736	106	78.7 - 119
Benzene	50.1	µg/L	1	50.0	<0.0495	100	75.8 - 125
Trichloroethene (TCE)	49.1	µg/L	1	50.0	<0.0495	98	83.6 - 112
Toluene	46.8	µg/L	1	50.0	<0.0736	94	81.6 - 115
Chlorobenzene	48.7	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.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	53.4	µg/L	1	50.0	<0.0736	107	78.7 - 119	0	20
Benzene	49.9	µg/L	1	50.0	<0.0495	100	75.8 - 125	0	20
Trichloroethene (TCE)	49.2	µg/L	1	50.0	<0.0495	98	83.6 - 112	0	20
Toluene	46.4	µg/L	1	50.0	<0.0736	93	81.6 - 115	1	20
Chlorobenzene	49.2	µg/L	1	50.0	<0.0217	98	83.9 - 113	1	20

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

[8] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.6	51.6	µg/L	1	50	103	103	86.6 - 114
Toluene-d8	51.0	50.5	µg/L	1	50	102	101	91 - 109
4-Bromofluorobenzene (4-BFB)	50.4	50.7	µg/L	1	50	101	101	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 114014

QC Batch: 33857 Date Analyzed: 2007-01-22 Analyzed By: SM
Prep Batch: 29393 QC Preparation: 2007-01-22 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.65	mg/L	1	5.00	<0.820	93	55.4 - 124

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.820	92	55.4 - 124	1	20

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

Matrix Spike (MS-1) Spiked Sample: 113757

QC Batch: 33868 Date Analyzed: 2007-01-11 Analyzed By: JR
Prep Batch: 29418 QC Preparation: 2007-01-11 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	126	mg/L	50	125	<1.08	101	90 - 110
Chloride	2940	mg/L	50	625	2310	101	90 - 110
Fluoride	128	mg/L	50	125	<0.840	102	89.9 - 104
Nitrite-N	124	mg/L	50	125	<0.840	99	90 - 110
Nitrate-N	212	mg/L	50	125	90.6	97	78.6 - 105

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	126	mg/L	50	125	<1.08	101	90 - 110	0	20
Chloride	2950	mg/L	50	625	2310	102	90 - 110	0	20
Fluoride	129	mg/L	50	125	<0.840	103	89.9 - 104	1	20
Nitrite-N	126	mg/L	50	125	<0.840	101	90 - 110	2	20
Nitrate-N	212	mg/L	50	125	90.6	97	78.6 - 105	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: 113757

QC Batch: 33898 Date Analyzed: 2007-01-22 Analyzed By: JR
Prep Batch: 29443 QC Preparation: 2007-01-22 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	10200	mg/L	500	6250	4224	96	90 - 110

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
Sulfate	10200	mg/L	500	6250	4224	96	90 - 110	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: 113753

QC Batch: 33924 Date Analyzed: 2007-01-24 Analyzed By: RR
Prep Batch: 29503 QC Preparation: 2007-01-25 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.115	mg/L	1	0.125	<0.000274	92	88.2 - 114
Total Cadmium	0.190	mg/L	1	0.250	0.003	75	66.5 - 121
Total Chromium	0.0750	mg/L	1	0.100	<0.00357	75	69.2 - 129
Total Copper	0.105	mg/L	1	0.125	<0.00127	84	83.8 - 118
Total Phosphorous	0.443	mg/L	1	0.500	<0.0229	89	70.1 - 115
Total Lead	0.418	mg/L	1	0.500	<0.00310	84	71.9 - 115
Total Zinc	0.195	mg/L	1	0.250	0.005	76	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	0.117	mg/L	1	0.125	<0.000274	94	88.2 - 114	2	20
Total Cadmium	0.176	mg/L	1	0.250	0.003	69	66.5 - 121	8	20
Total Chromium	0.0790	mg/L	1	0.100	<0.00357	79	69.2 - 129	5	20
Total Copper	0.115	mg/L	1	0.125	<0.00127	92	83.8 - 118	9	20
Total Phosphorous	0.441	mg/L	1	0.500	<0.0229	88	70.1 - 115	0	20
Total Lead	0.425	mg/L	1	0.500	<0.00310	85	71.9 - 115	2	20
Total Zinc	0.201	mg/L	1	0.250	0.005	78	75.5 - 113	3	20

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

Matrix Spike (MS-2) Spiked Sample: 113751

QC Batch: 33924 Date Analyzed: 2007-01-24 Analyzed By: RR
Prep Batch: 29503 QC Preparation: 2007-01-25 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.118	mg/L	1	0.125	<0.000274	94	88.2 - 114
Total Cadmium	0.203	mg/L	1	0.250	<0.000268	81	66.5 - 121
Total Chromium	0.0920	mg/L	1	0.100	<0.00357	92	69.2 - 129
Total Copper	0.118	mg/L	1	0.125	<0.00127	94	83.8 - 118
Total Phosphorous	0.488	mg/L	1	0.500	0.025	93	70.1 - 115
Total Lead	0.491	mg/L	1	0.500	<0.00310	98	71.9 - 115

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.223	mg/L	1	0.250	<0.000666	89	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	0.120	mg/L	1	0.125	<0.000274	96	88.2 - 114	2	20
Total Cadmium	0.216	mg/L	1	0.250	<0.000268	86	66.5 - 121	6	20
Total Chromium	0.0930	mg/L	1	0.100	<0.00357	93	69.2 - 129	1	20
Total Copper	0.121	mg/L	1	0.125	<0.00127	97	83.8 - 118	2	20
Total Phosphorous	0.503	mg/L	1	0.500	0.025	96	70.1 - 115	3	20
Total Lead	0.497	mg/L	1	0.500	<0.00310	99	71.9 - 115	1	20
Total Zinc	0.231	mg/L	1	0.250	<0.000666	92	75.5 - 113	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: 113753

QC Batch: 33986 | Date Analyzed: 2007-01-25 | Analyzed By: RR
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.116	mg/L	1	0.125	<0.000199	93	90.1 - 120
Dissolved Cadmium	0.233	mg/L	1	0.250	<0.000577	93	75 - 112
Dissolved Chromium	0.0860	mg/L	1	0.100	<0.00357	86	75 - 121
Dissolved Copper	0.115	mg/L	1	0.125	<0.00127	92	81.5 - 125
Dissolved Lead	0.484	mg/L	1	0.500	<0.00398	97	75 - 111
Dissolved Zinc	0.239	mg/L	1	0.250	<0.00300	96	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	0	20
Dissolved Cadmium	0.234	mg/L	1	0.250	<0.000577	94	75 - 112	0	20
Dissolved Chromium	0.0860	mg/L	1	0.100	<0.00357	86	75 - 121	0	20
Dissolved Copper	0.118	mg/L	1	0.125	<0.00127	94	81.5 - 125	3	20
Dissolved Lead	0.495	mg/L	1	0.500	<0.00398	99	75 - 111	2	20
Dissolved Zinc	0.241	mg/L	1	0.250	<0.00300	96	80.4 - 120	1	20

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

Matrix Spike (MS-2) Spiked Sample: 113751

QC Batch: 33986 | Date Analyzed: 2007-01-25 | Analyzed By: RR
Prep Batch: 29362 | QC Preparation: 2007-01-19 | 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

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.224	mg/L	1	0.250	<0.000577	90	75 - 112
Dissolved Chromium	0.0910	mg/L	1	0.100	<0.00357	91	75 - 121
Dissolved Copper	0.117	mg/L	1	0.125	<0.00127	94	81.5 - 125
Dissolved Lead	0.456	mg/L	1	0.500	<0.00398	91	75 - 111
Dissolved Zinc	0.234	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	0.115	mg/L	1	0.125	<0.000199	92	90.1 - 120	0	20
Dissolved Cadmium	0.225	mg/L	1	0.250	<0.000577	90	75 - 112	0	20
Dissolved Chromium	0.0890	mg/L	1	0.100	<0.00357	89	75 - 121	2	20
Dissolved Copper	0.117	mg/L	1	0.125	<0.00127	94	81.5 - 125	0	20
Dissolved Lead	0.451	mg/L	1	0.500	<0.00398	90	75 - 111	1	20
Dissolved Zinc	0.227	mg/L	1	0.250	<0.00300	91	80.4 - 120	3	20

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

Matrix Spike (MS-1) Spiked Sample: 113751

QC Batch: 33991 | Date Analyzed: 2007-01-25 | Analyzed By: TP
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium [9]	2570	mg/L	100	5000	2169	8	84.2 - 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 Sodium [10]	2610	mg/L	100	5000	2169	9	84.2 - 120	2	20

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

Matrix Spike (MS-1) Spiked Sample: 113761

QC Batch: 34014 | Date Analyzed: | Analyzed By:
Prep Batch: | QC Preparation: | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	4.96	mg/L	1	5.00	<0.382	99	70 - 130

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

continued . . .

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

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon [11]	9.94	mg/L	1	5.00	<0.382	199	70 - 130	67	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: 113751

QC Batch: 34033 Date Analyzed: 2007-01-26 Analyzed By: TP
Prep Batch: 29503 QC Preparation: 2007-01-25 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	2690	mg/L	1	50.0	2638	104	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 [12]	2590	mg/L	1	50.0	2638	-96	75 - 125	4	20

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

Standard (ICV-1)

QC Batch: 33608 Date Analyzed: 2007-01-12 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	0.968	97	85 - 115	2007-01-12

Standard (CCV-1)

QC Batch: 33608 Date Analyzed: 2007-01-12 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.917	92	85 - 115	2007-01-12

Standard (ICV-1)

QC Batch: 33614 Date Analyzed: 2007-01-11 Analyzed By: DR

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

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-01-11

Standard (CCV-1)

QC Batch: 33614 Date Analyzed: 2007-01-11 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	1410	100	96.7 - 108	2007-01-11

Standard (CCV-1)

QC Batch: 33661 Date Analyzed: 2007-01-15 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	60.1	100	80 - 120	2007-01-15
1,4-Dichlorobenzene (para)		mg/L	60.0	61.2	102	80 - 120	2007-01-15
2-Nitrophenol		mg/L	60.0	48.8	81	80 - 120	2007-01-15
2,4-Dichlorophenol		mg/L	60.0	55.0	92	80 - 120	2007-01-15
Hexachlorobutadiene		mg/L	60.0	64.8	108	80 - 120	2007-01-15
4-Chloro-3-methylphenol		mg/L	60.0	52.6	88	80 - 120	2007-01-15
2,4,6-Trichlorophenol		mg/L	60.0	56.6	94	80 - 120	2007-01-15
Acenaphthene		mg/L	60.0	59.4	99	80 - 120	2007-01-15
Diphenylamine		mg/L	60.0	57.5	96	80 - 120	2007-01-15
Pentachlorophenol		mg/L	60.0	48.8	81	80 - 120	2007-01-15
Fluoranthene		mg/L	60.0	65.2	109	80 - 120	2007-01-15
Di-n-octylphthalate		mg/L	60.0	55.9	93	80 - 120	2007-01-15
Benzo(a)pyrene		mg/L	60.0	63.1	105	80 - 120	2007-01-15

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		61.6	mg/L	1	60.0	103	80 - 120
Phenol-d5		59.8	mg/L	1	60.0	100	80 - 120
Nitrobenzene-d5		66.7	mg/L	1	60.0	111	80 - 120
2-Fluorobiphenyl		69.6	mg/L	1	60.0	116	80 - 120
2,4,6-Tribromophenol		48.2	mg/L	1	60.0	80	80 - 120
Terphenyl-d14		65.6	mg/L	1	60.0	109	80 - 120

Standard (ICV-1)

QC Batch: 33675 Date Analyzed: 2007-01-12 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	1010	101	94.4 - 106	2007-01-12

Standard (CCV-1)

QC Batch: 33675 Date Analyzed: 2007-01-12 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	2007-01-12

Standard (ICV-1)

QC Batch: 33676 Date Analyzed: 2007-01-16 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	271	108	85 - 115	2007-01-16

Standard (CCV-1)

QC Batch: 33676 Date Analyzed: 2007-01-16 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	270	108	85 - 115	2007-01-16

Standard (ICV-1)

QC Batch: 33694 Date Analyzed: 2007-01-16 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	2007-01-16
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-01-16
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	8.00		0 - 105	2007-01-16
Total Alkalinity		mg/L as CaCo3	250	244	98	93.7 - 99.9	2007-01-16

Standard (CCV-1)

QC Batch: 33694 Date Analyzed: 2007-01-16 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	2007-01-16
Carbonate Alkalinity		mg/L as CaCo3	0.00	236		0 - 105	2007-01-16
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	14.0		0 - 105	2007-01-16
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 99.9	2007-01-16

Standard (ICV-1)

QC Batch: 33697 Date Analyzed: 2007-01-11 Analyzed By: DR

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	2007-01-11

Standard (CCV-1)

QC Batch: 33697 Date Analyzed: 2007-01-11 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	7.02	100	98.8 - 101	2007-01-11

Standard (CCV-1)

QC Batch: 33838 Date Analyzed: 2007-01-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	51.9	104	80 - 120	2007-01-18
1,1-Dichloroethene		µg/L	50.0	52.5	105	80 - 120	2007-01-18
Chloroform		µg/L	50.0	51.8	104	80 - 120	2007-01-18
1,2-Dichloropropane		µg/L	50.0	51.1	102	80 - 120	2007-01-18
Toluene		µg/L	50.0	46.2	92	80 - 120	2007-01-18
Chlorobenzene		µg/L	50.0	49.3	99	80 - 120	2007-01-18
Ethylbenzene		µg/L	50.0	52.3	105	80 - 120	2007-01-18

Standard (CCV-2)

QC Batch: 33838 Date Analyzed: 2007-01-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	52.7	105	80 - 120	2007-01-18
1,1-Dichloroethene		µg/L	50.0	51.5	103	80 - 120	2007-01-18
Chloroform		µg/L	50.0	49.7	99	80 - 120	2007-01-18
1,2-Dichloropropane		µg/L	50.0	51.1	102	80 - 120	2007-01-18
Toluene		µg/L	50.0	45.9	92	80 - 120	2007-01-18
Chlorobenzene		µg/L	50.0	48.1	96	80 - 120	2007-01-18
Ethylbenzene		µg/L	50.0	50.4	101	80 - 120	2007-01-18

Standard (ICV-1)

QC Batch: 33857 Date Analyzed: 2007-01-22 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	2007-01-22

Standard (CCV-1)

QC Batch: 33857 Date Analyzed: 2007-01-22 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	2007-01-22

Standard (ICV-1)

QC Batch: 33868 Date Analyzed: 2007-01-11 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.41	96	93.2 - 98.5	2007-01-11
Chloride		mg/L	12.5	11.8	94	90 - 110	2007-01-11
Fluoride		mg/L	2.50	2.43	97	90 - 110	2007-01-11
Nitrite-N		mg/L	2.50	2.41	96	90 - 110	2007-01-11
Nitrate-N		mg/L	2.50	2.35	94	90 - 110	2007-01-11

Standard (CCV-1)

QC Batch: 33868 Date Analyzed: 2007-01-11 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.48	99	93.2 - 98.5	2007-01-11
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-01-11
Fluoride		mg/L	2.50	2.49	100	90 - 110	2007-01-11
Nitrite-N		mg/L	2.50	2.46	98	90 - 110	2007-01-11
Nitrate-N		mg/L	2.50	2.40	96	90 - 110	2007-01-11

Standard (ICV-1)

QC Batch: 33898 Date Analyzed: 2007-01-22 Analyzed By: JR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.8	94	90 - 110	2007-01-22

Standard (CCV-1)

QC Batch: 33898 Date Analyzed: 2007-01-22 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	12.1	97	90 - 110	2007-01-22

Standard (CCV-1)

QC Batch: 33924 Date Analyzed: 2007-01-24 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	0.136	109	90 - 110	2007-01-24
Total Cadmium		mg/L	1.00	1.07	107	90 - 110	2007-01-24
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2007-01-24
Total Copper		mg/L	1.00	1.06	106	90 - 110	2007-01-24
Total Phosphorous		mg/L	5.00	5.48	110	90 - 110	2007-01-24
Total Lead		mg/L	1.00	1.06	106	90 - 110	2007-01-24
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2007-01-24

Standard (CCV-2)

QC Batch: 33924 Date Analyzed: 2007-01-24 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	2007-01-24
Total Cadmium		mg/L	1.00	0.911	91	90 - 110	2007-01-24
Total Chromium		mg/L	1.00	0.901	90	90 - 110	2007-01-24
Total Copper		mg/L	1.00	0.915	92	90 - 110	2007-01-24
Total Phosphorous		mg/L	5.00	4.55	91	90 - 110	2007-01-24
Total Lead		mg/L	1.00	0.925	92	90 - 110	2007-01-24
Total Zinc		mg/L	1.00	0.959	96	90 - 110	2007-01-24

Standard (CCV-1)

QC Batch: 33986 Date Analyzed: 2007-01-25 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	0.126	101	90 - 110	2007-01-25
Dissolved Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-01-25
Dissolved Chromium		mg/L	1.00	1.05	105	90 - 110	2007-01-25
Dissolved Copper		mg/L	1.00	1.06	106	90 - 110	2007-01-25
Dissolved Lead		mg/L	1.00	1.04	104	90 - 110	2007-01-25
Dissolved Zinc		mg/L	1.00	1.08	108	90 - 110	2007-01-25

Standard (CCV-2)

QC Batch: 33986 Date Analyzed: 2007-01-25 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	0.130	104	90 - 110	2007-01-25
Dissolved Cadmium		mg/L	1.00	0.995	100	90 - 110	2007-01-25
Dissolved Chromium		mg/L	1.00	1.00	100	90 - 110	2007-01-25
Dissolved Copper		mg/L	1.00	1.02	102	90 - 110	2007-01-25
Dissolved Lead		mg/L	1.00	0.996	100	90 - 110	2007-01-25
Dissolved Zinc		mg/L	1.00	1.06	106	90 - 110	2007-01-25

Standard (ICV-1)

QC Batch: 33991 Date Analyzed: 2007-01-25 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	50.4	101	90 - 110	2007-01-25

Standard (CCV-1)

QC Batch: 33991 Date Analyzed: 2007-01-25 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	50.9	102	90 - 110	2007-01-25

Standard (ICV-1)

QC Batch: 34014 Date Analyzed: Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	4.99	100	80 - 120	2007-01-26

Standard (CCV-1)

QC Batch: 34014 Date Analyzed: Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	4.95	99	80 - 120	2007-01-26

Standard (ICV-1)

QC Batch: 34033 Date Analyzed: 2007-01-26 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	50.7	101	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34033 Date Analyzed: 2007-01-26 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	50.1	100	90 - 110	2007-01-26