Analytical and Quality Control Report

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Report Date: January 30, 2007

Work Order: 7011003

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
113421	HLSF-0085-HMW-064-0107	water	2007-01-09	09:59	2007-01-09
113422	HLSF-0085-TB-774-0107	water	2007-01-09	09:59	2007-01-09

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 36 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: 113421 - HLSF-0085-HMW-064-0107

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	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		**218**	mg/L as CaCo3	1	4.00
Total Alkalinity		**218**	mg/L as CaCo3	1	4.00

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	33596	Date Analyzed:	2007-01-12	Analyzed By:	SM
Prep Batch:	29192	Sample Preparation:	2007-01-12	Prepared By:	SM

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

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	33613	Date Analyzed:	2007-01-10	Analyzed By:	DR
Prep Batch:	29207	Sample Preparation:	2007-01-10	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**13900**	µMHOS/cm	1	0.00

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33563	Date Analyzed:	2007-01-11	Analyzed By:	RR
Prep Batch:	29119	Sample Preparation:	2007-01-10	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: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33640	Date Analyzed:	2007-01-11	Analyzed By:	WB
Prep Batch:	29225	Sample Preparation:	2007-01-11	Prepared By:	WB
QC Batch:	33753	Date Analyzed:	2007-01-12	Analyzed By:	WB
Prep Batch:	29288	Sample Preparation:	2007-01-11	Prepared By:	WB
QC Batch:	33762	Date Analyzed:	2007-01-17	Analyzed By:	WB
Prep Batch:	29296	Sample Preparation:	2007-01-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Bromide		**1.55**	mg/L	5	0.200
Chloride		**1430**	mg/L	50	0.500
Fluoride		**2.47**	mg/L	5	0.200
Nitrite-N		<1.00	mg/L	5	0.200
Nitrate-N		**44.8**	mg/L	5	0.200
Sulfate		**7030**	mg/L	500	0.500

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	33696	Date Analyzed:	2007-01-10	Analyzed By:	DR
Prep Batch:	29269	Sample Preparation:	2007-01-10	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.35**	s.u.	1	0.00

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33636	Date Analyzed:	2007-01-12	Analyzed By:	TP
Prep Batch:	29119	Sample Preparation:	2007-01-10	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Sodium		**3090**	mg/L	100	0.500

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33702	Date Analyzed:	2007-01-16	Analyzed By:	TP
Prep Batch:	29147	Sample Preparation:	2007-01-11	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**2950**	mg/L	100	0.500

Sample: 113421 - HLSF-0085-HMW-064-0107

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		<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
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

continued . . .

sample 113421 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
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
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		0.0316	mg/L	1	0.0800	40	10 - 75.1
Phenol-d5		0.0245	mg/L	1	0.0800	31	10 - 56.2
Nitrobenzene-d5		0.0698	mg/L	1	0.0800	87	18.1 - 108
2-Fluorobiphenyl		0.0747	mg/L	1	0.0800	93	20 - 112
2,4,6-Tribromophenol		0.0333	mg/L	1	0.0800	42	10 - 135
Terphenyl-d14		0.0984	mg/L	1	0.0800	123	28.2 - 134

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33651	Date Analyzed:	2007-01-11	Analyzed By:	JG
Prep Batch:	29234	Sample Preparation:	2007-01-11	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**12800**		mg/L	1	5.00

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	33819	Date Analyzed:	2007-01-19	Analyzed By:	KV
Prep Batch:	29375	Sample Preparation:		Prepared By:	KV

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

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33565	Date Analyzed:	2007-01-11	Analyzed By:	RR
Prep Batch:	29147	Sample Preparation:	2007-01-11	Prepared By:	TS

Parameter	Flag	Result	RL	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: 113421 - HLSF-0085-HMW-064-0107

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33566	Date Analyzed:	2007-01-11	Analyzed By:	SP
Prep Batch:	29157	Sample Preparation:	2007-01-11	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		15.8	mg/L	1	15.0	105	57 - 132.3

Sample: 113421 - HLSF-0085-HMW-064-0107

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)		0.0962	mg/L	1	0.100	96	72.5 - 108
4-Bromofluorobenzene (4-BFB)		0.0965	mg/L	1	0.100	96	68.5 - 114

Sample: 113421 - HLSF-0085-HMW-064-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	33703	Date Analyzed:	2007-01-15	Analyzed By:	JG
Prep Batch:	29275	Sample Preparation:	2007-01-15	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 113421 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)		**9.25**		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 113421 continued . . .

Parameter	Flag	RL Result	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		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		51.0	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.7	µg/L	1	50.0	93	84.6 - 114

Sample: 113422 - HLSF-0085-TB-774-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	33703	Date Analyzed:	2007-01-15	Analyzed By:	JG
Prep Batch:	29275	Sample Preparation:	2007-01-15	Prepared By:	JG

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

continued . . .

sample 113422 continued . . .

Parameter	Flag	RL 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		<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		51.1	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		51.7	µg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	µg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 33563

QC Batch: 33563 Date Analyzed: 2007-01-11 Analyzed By: RR
Prep Batch: 29119 QC Preparation: 2007-01-10 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: 33565

QC Batch: 33565 Date Analyzed: 2007-01-11 Analyzed By: RR
Prep Batch: 29147 QC Preparation: 2007-01-11 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: 33566

QC Batch: 33566 Date Analyzed: 2007-01-11 Analyzed By: SP
Prep Batch: 29157 QC Preparation: 2007-01-11 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		15.5	mg/L	1	15.0	103	57 - 132.3

Method Blank (1) QC Batch: 33596

QC Batch: 33596 | Date Analyzed: 2007-01-12 | Analyzed By: SM
Prep Batch: 29192 | QC Preparation: 2007-01-12 | Prepared By: SM

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

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: 33613

QC Batch: 33613 | Date Analyzed: 2007-01-10 | Analyzed By: DR
Prep Batch: 29207 | QC Preparation: 2007-01-10 | Prepared By: DR

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

Method Blank (1) QC Batch: 33636

QC Batch: 33636 | Date Analyzed: 2007-01-12 | Analyzed By: TP
Prep Batch: 29119 | QC Preparation: 2007-01-10 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Sodium		2.21	mg/L	0.5

Method Blank (1) QC Batch: 33640

QC Batch: 33640 | Date Analyzed: 2007-01-11 | Analyzed By: WB
Prep Batch: 29225 | QC Preparation: 2007-01-11 | Prepared By: WB

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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0128	mg/L	0.2
Nitrate-N		<0.0106	mg/L	0.2

Method Blank (1) QC Batch: 33651

QC Batch: 33651 | Date Analyzed: 2007-01-11 | Analyzed By: JG
Prep Batch: 29234 | QC Preparation: 2007-01-11 | Prepared By: JG

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

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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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: 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: 33702

QC Batch: 33702 Date Analyzed: 2007-01-16 Analyzed By: TP
Prep Batch: 29147 QC Preparation: 2007-01-11 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		1.06	mg/L	0.5

Method Blank (1) QC Batch: 33703

QC Batch: 33703 Date Analyzed: 2007-01-15 Analyzed By: JG
Prep Batch: 29275 QC Preparation: 2007-01-15 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.10	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		0.0600	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		0.410	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		1.65	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		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 33753

QC Batch: 33753 Date Analyzed: 2007-01-12 Analyzed By: WB
Prep Batch: 29288 QC Preparation: 2007-01-11 Prepared By: WB

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

Method Blank (1) QC Batch: 33762

QC Batch: 33762 Date Analyzed: 2007-01-17 Analyzed By: WB
Prep Batch: 29296 QC Preparation: 2007-01-16 Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0429	mg/L	0.2
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 33819

QC Batch: 33819 Date Analyzed: 2007-01-19 Analyzed By: KV
Prep Batch: 29375 QC Preparation: 2007-01-19 Prepared By: KV

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

Duplicates (1)

QC Batch: 33613 Date Analyzed: 2007-01-10 Analyzed By: DR
Prep Batch: 29207 QC Preparation: 2007-01-10 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	13900	13900	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33651 Date Analyzed: 2007-01-11 Analyzed By: JG
Prep Batch: 29234 QC Preparation: 2007-01-11 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	16400	16200	mg/L	1	1	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: 33696 Date Analyzed: 2007-01-10 Analyzed By: DR
Prep Batch: 29269 QC Preparation: 2007-01-10 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.35	7.35	s.u.	1	0	20

Laboratory Control Spike (LCS-1)

QC Batch: 33563 | Date Analyzed: 2007-01-11 | Analyzed By: RR
Prep Batch: 29119 | QC Preparation: 2007-01-10 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.000199	94	86.2 - 116
Dissolved Cadmium	0.231	mg/L	1	0.250	<0.000577	92	83.3 - 113
Dissolved Chromium	0.102	mg/L	1	0.100	<0.00357	102	83 - 112
Dissolved Copper	0.123	mg/L	1	0.125	<0.00127	98	84.3 - 114
Dissolved Lead	0.492	mg/L	1	0.500	<0.00398	98	81.1 - 111
Dissolved Zinc	0.227	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	0.116	mg/L	1	0.125	<0.000199	93	86.2 - 116	2	20
Dissolved Cadmium	0.231	mg/L	1	0.250	<0.000577	92	83.3 - 113	0	20
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	4	20
Dissolved Copper	0.119	mg/L	1	0.125	<0.00127	95	84.3 - 114	3	20
Dissolved Lead	0.491	mg/L	1	0.500	<0.00398	98	81.1 - 111	0	20
Dissolved Zinc	0.224	mg/L	1	0.250	<0.00300	90	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: 33565 | Date Analyzed: 2007-01-11 | Analyzed By: RR
Prep Batch: 29147 | QC Preparation: 2007-01-11 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.127	mg/L	1	0.125	<0.000274	102	87.9 - 111
Total Cadmium	0.255	mg/L	1	0.250	<0.000268	102	86.8 - 110
Total Chromium	0.0990	mg/L	1	0.100	<0.00357	99	86.5 - 115
Total Copper	0.133	mg/L	1	0.125	<0.00127	106	83.4 - 117
Total Phosphorous	0.507	mg/L	1	0.500	<0.0229	101	87.3 - 114
Total Lead	0.525	mg/L	1	0.500	<0.00310	105	83 - 109
Total Zinc	0.245	mg/L	1	0.250	<0.000666	98	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	0.126	mg/L	1	0.125	<0.000274	101	87.9 - 111	1	20

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control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.248	mg/L	1	0.250	<0.000268	99	86.8 - 110	3	20
Total Chromium	0.0930	mg/L	1	0.100	<0.00357	93	86.5 - 115	6	20
Total Copper	0.132	mg/L	1	0.125	<0.00127	106	83.4 - 117	1	20
Total Phosphorous	0.480	mg/L	1	0.500	<0.0229	96	87.3 - 114	6	20
Total Lead	0.507	mg/L	1	0.500	<0.00310	101	83 - 109	4	20
Total Zinc	0.238	mg/L	1	0.250	<0.000666	95	82.9 - 109	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: 33566 | Date Analyzed: 2007-01-11 | Analyzed By: SP
Prep Batch: 29157 | QC Preparation: 2007-01-11 | Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.8	mg/L	1	25.0	<1.19	99	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	24.4	mg/L	1	25.0	<1.19	98	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	13.7	14.2	mg/L	1	15.0	91	95	57 - 132.3

Laboratory Control Spike (LCS-1)

QC Batch: 33596 | Date Analyzed: 2007-01-12 | Analyzed By: SM
Prep Batch: 29192 | QC Preparation: 2007-01-12 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.59	mg/L	1	5.00	<0.820	92	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	4.42	mg/L	1	5.00	<0.820	88	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: 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: 33636 | Date Analyzed: 2007-01-12 | Analyzed By: TP
Prep Batch: 29119 | QC Preparation: 2007-01-10 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	49.8	mg/L	1	50.0	<0.0309	100	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	49.8	mg/L	1	50.0	<0.0309	100	79.4 - 123	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: 33640 | Date Analyzed: 2007-01-11 | Analyzed By: WB
Prep Batch: 29225 | QC Preparation: 2007-01-11 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.41	mg/L	1	2.50	<0.0119	96	90 - 110
Nitrite-N	2.51	mg/L	1	2.50	<0.0128	100	90 - 110
Nitrate-N	2.50	mg/L	1	2.50	<0.0106	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
Fluoride	2.47	mg/L	1	2.50	<0.0119	99	90 - 110	2	20
Nitrite-N	2.52	mg/L	1	2.50	<0.0128	101	90 - 110	0	20
Nitrate-N	2.51	mg/L	1	2.50	<0.0106	100	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: 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	[1]	<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
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	[2]	<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: 33702 | Date Analyzed: 2007-01-16 | Analyzed By: TP
Prep Batch: 29147 | QC Preparation: 2007-01-11 | Prepared By: TS

[1] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •
[2] 4-Nitrophenol out of control limits for LCS/LCSD due to erratic performance of analyte. •

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	54.2	mg/L	1	50.0	<0.0309	108	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	53.4	mg/L	1	50.0	<0.0309	107	87.3 - 124	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: 33703 | Date Analyzed: 2007-01-15 | Analyzed By: JG
Prep Batch: 29275 | QC Preparation: 2007-01-15 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.1	µg/L	1	50.0	<0.0736	100	83.4 - 114
Benzene	54.2	µg/L	1	50.0	<0.0495	108	83.5 - 115
Trichloroethene (TCE)	52.0	µg/L	1	50.0	<0.0495	104	91.3 - 111
Toluene	49.9	µg/L	1	50.0	<0.0736	100	82 - 110
Chlorobenzene	49.6	µg/L	1	50.0	<0.0217	99	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	52.6	µg/L	1	50.0	<0.0495	105	83.5 - 115	3	20
Trichloroethene (TCE)	53.6	µg/L	1	50.0	<0.0495	107	91.3 - 111	3	20
Toluene	49.9	µg/L	1	50.0	<0.0736	100	82 - 110	0	20
Chlorobenzene	50.9	µg/L	1	50.0	<0.0217	102	87.9 - 109	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.2	50.8	µg/L	1	50.0	100	102	82.4 - 115
Toluene-d8	48.9	49.1	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	49.6	50.2	µg/L	1	50.0	99	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 33753 | Date Analyzed: 2007-01-12 | Analyzed By: WB
Prep Batch: 29288 | QC Preparation: 2007-01-11 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/L	1	12.5	<0.0181	92	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	11.5	mg/L	1	12.5	<0.0181	92	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: 33762 | Date Analyzed: 2007-01-17 | Analyzed By: WB
Prep Batch: 29296 | QC Preparation: 2007-01-16 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.40	mg/L	1	2.50	<0.0429	96	90 - 110
Sulfate	11.9	mg/L	1	12.5	<0.0485	95	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	2.35	mg/L	1	2.50	<0.0429	94	90 - 110	2	20
Sulfate	11.9	mg/L	1	12.5	<0.0485	95	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: 33819 | Date Analyzed: 2007-01-19 | Analyzed By: KV
Prep Batch: 29375 | QC Preparation: 2007-01-19 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	9.72	mg/L	1	10.0	<0.382	97	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	9.22	mg/L	1	10.0	<0.382	92	70 - 130	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: 113374

QC Batch: 33563 | Date Analyzed: 2007-01-11 | Analyzed By: RR
Prep Batch: 29119 | QC Preparation: 2007-01-10 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.118	mg/L	1	0.125	<0.000199	94	90.1 - 120
Dissolved Cadmium	0.233	mg/L	1	0.250	<0.000577	93	75 - 112
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	75 - 121
Dissolved Copper	0.124	mg/L	1	0.125	<0.00127	99	81.5 - 125
Dissolved Lead	0.489	mg/L	1	0.500	<0.00398	98	75 - 111

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.226	mg/L	1	0.250	<0.00300	90	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	0.120	mg/L	1	0.125	<0.000199	96	90.1 - 120	2	20
Dissolved Cadmium	0.231	mg/L	1	0.250	<0.000577	92	75 - 112	1	20
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.00357	96	75 - 121	2	20
Dissolved Copper	0.122	mg/L	1	0.125	<0.00127	98	81.5 - 125	2	20
Dissolved Lead	0.499	mg/L	1	0.500	<0.00398	100	75 - 111	2	20
Dissolved Zinc	0.225	mg/L	1	0.250	<0.00300	90	80.4 - 120	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: 113419

QC Batch: 33565 | Date Analyzed: 2007-01-11 | Analyzed By: RR
Prep Batch: 29147 | QC Preparation: 2007-01-11 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.000274	96	88.2 - 114
Total Cadmium	0.221	mg/L	1	0.250	<0.000268	88	66.5 - 121
Total Chromium	0.661	mg/L	1	0.100	0.564	97	69.2 - 129
Total Copper	0.118	mg/L	1	0.125	<0.00127	94	83.8 - 118
Total Phosphorous	0.464	mg/L	1	0.500	<0.0229	93	70.1 - 115
Total Lead	0.472	mg/L	1	0.500	<0.00310	94	71.9 - 115
Total Zinc	0.227	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	0.223	mg/L	1	0.250	<0.000268	89	66.5 - 121	1	20
Total Chromium	0.664	mg/L	1	0.100	0.564	100	69.2 - 129	0	20
Total Copper	0.123	mg/L	1	0.125	<0.00127	98	83.8 - 118	4	20
Total Phosphorous	0.507	mg/L	1	0.500	<0.0229	101	70.1 - 115	9	20
Total Lead	0.482	mg/L	1	0.500	<0.00310	96	71.9 - 115	2	20
Total Zinc	0.231	mg/L	1	0.250	<0.000666	92	75.5 - 113	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: 113421

QC Batch: 33566 | Date Analyzed: 2007-01-11 | Analyzed By: SP
Prep Batch: 29157 | QC Preparation: 2007-01-11 | Prepared By: SP

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	22.6	mg/L	1	25.0	<1.19	90	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	24.0	mg/L	1	25.0	<1.19	96	77.8 - 112	6	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	14.4	14.4	mg/L	1	15	96	96	57 - 132.3

Matrix Spike (MS-1) Spiked Sample: 113421

QC Batch: 33596 | Date Analyzed: 2007-01-12 | Analyzed By: SM
Prep Batch: 29192 | QC Preparation: 2007-01-12 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	5.10	mg/L	1	5.00	<0.820	102	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	4.65	mg/L	1	5.00	<0.820	93	55.4 - 124	9	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.

continued . . .

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	[3]	0.0732	0.0962	mg/L	1	0.1	73	96	75.6 - 108
4-Bromofluorobenzene (4-BFB)	[4]	0.0728	0.0999	mg/L	1	0.1	73	100	78.9 - 109

Matrix Spike (MS-1) Spiked Sample: 113374

QC Batch: 33636 | Date Analyzed: 2007-01-12 | Analyzed By: TP
Prep Batch: 29119 | QC Preparation: 2007-01-10 | Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	[5]	662	mg/L	1	50.0	623	78	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	[6]	661	mg/L	1	50.0	623	76	84.2 - 120	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: 113688

QC Batch: 33640 | Date Analyzed: 2007-01-11 | Analyzed By: WB
Prep Batch: 29225 | QC Preparation: 2007-01-11 | Prepared By: WB

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride		15.2	mg/L	5	12.5	3.5968	93	73.4 - 119
Nitrite-N	[7]	4.16	mg/L	5	12.5	<0.0640	33	90.5 - 115
Nitrate-N	[8]	23.3	mg/L	5	12.5	1.72	173	88.4 - 118

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
Fluoride		15.2	mg/L	5	12.5	3.5968	93	73.4 - 119	0	20
Nitrite-N	[9]	4.17	mg/L	5	12.5	<0.0640	33	90.5 - 115	0	20
Nitrate-N	[10]	23.4	mg/L	5	12.5	1.72	173	88.4 - 118	0	20

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

[3] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[4] Surrogate recovery out of control on MS/MSD due to matrix interference. LCS/LCSD show method to be in control.
[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 113463

QC Batch: 33702 | Date Analyzed: 2007-01-16 | Analyzed By: TP
Prep Batch: 29147 | QC Preparation: 2007-01-11 | Prepared By: TS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	[11]	1200	mg/L	1	50.0	1170	60	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	1220	mg/L	1	50.0	1170	100	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 113421

QC Batch: 33703 | Date Analyzed: 2007-01-15 | Analyzed By: JG
Prep Batch: 29275 | QC Preparation: 2007-01-15 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	51.6	µg/L	1	50.0	<0.0736	103	78.7 - 119
Benzene	52.5	µg/L	1	50.0	<0.0495	105	75.8 - 125
Trichloroethene (TCE)	63.1	µg/L	1	50.0	9.25	108	83.6 - 112
Toluene	49.6	µg/L	1	50.0	<0.0736	99	81.6 - 115
Chlorobenzene	51.7	µg/L	1	50.0	<0.0217	103	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	[12]	n/a	µg/L	1	50.0	<0.0736	0	78.7 - 119	200	20
Benzene	[13]	n/a	µg/L	1	50.0	<0.0495	0	75.8 - 125	200	20
Trichloroethene (TCE)	[14]	n/a	µg/L	1	50.0	9.25	0	83.6 - 112	200	20
Toluene	[15]	n/a	µg/L	1	50.0	<0.0736	0	81.6 - 115	200	20
Chlorobenzene	[16]	n/a	µg/L	1	50.0	<0.0217	0	83.9 - 113	200	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	[17]	48.8	n/a	µg/L	1	50	98	0	86.6 - 114
Toluene-d8	[18]	48.4	n/a	µg/L	1	50	97	0	91 - 109
4-Bromofluorobenzene (4-BFB)	[19]	48.9	n/a	µg/L	1	50	98	0	87.2 - 113

[11] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[12] RPD is out of range because a matrix spike duplicate was not prepared.
[13] RPD is out of range because a matrix spike duplicate was not prepared.
[14] RPD is out of range because a matrix spike duplicate was not prepared.
[15] RPD is out of range because a matrix spike duplicate was not prepared.
[16] RPD is out of range because a matrix spike duplicate was not prepared.
[17] RPD is out of range because a matrix spike duplicate was not prepared.
[18] RPD is out of range because a matrix spike duplicate was not prepared.
[19] RPD is out of range because a matrix spike duplicate was not prepared.

Matrix Spike (MS-1) Spiked Sample: 113652

QC Batch: 33753 | Date Analyzed: 2007-01-12 | Analyzed By: WB
Prep Batch: 29288 | QC Preparation: 2007-01-11 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1820	mg/L	100	1250	638	94	10 - 188

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	1800	mg/L	100	1250	638	93	10 - 188	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: 113433

QC Batch: 33762 | Date Analyzed: 2007-01-17 | Analyzed By: WB
Prep Batch: 29296 | QC Preparation: 2007-01-16 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	250	mg/L	100	250	<4.29	100	91.1 - 123
Sulfate	2390	mg/L	100	1250	1210	94	83.1 - 114

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	234	mg/L	100	250	<4.29	94	91.1 - 123	7	20
Sulfate	2340	mg/L	100	1250	1210	90	83.1 - 114	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: 113435

QC Batch: 33819 | Date Analyzed: 2007-01-19 | Analyzed By: KV
Prep Batch: 29375 | QC Preparation: 2007-01-19 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	15.7	mg/L	1	10.0	7.44	83	70 - 130

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 Organic Carbon	15.6	mg/L	1	10.0	7.44	82	70 - 130	1	20

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

Standard (ICV-1)

QC Batch: 33563 | Date Analyzed: 2007-01-11 | 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	0.120	96	90 - 110	2007-01-11
Dissolved Cadmium		mg/L	1.00	0.954	95	95 - 105	2007-01-11
Dissolved Chromium		mg/L	1.00	0.911	91	90 - 110	2007-01-11
Dissolved Copper		mg/L	1.00	0.936	94	90 - 110	2007-01-11
Dissolved Lead		mg/L	1.00	0.976	98	90 - 110	2007-01-11
Dissolved Zinc		mg/L	1.00	0.961	96	90 - 110	2007-01-11

Standard (CCV-1)

QC Batch: 33563 Date Analyzed: 2007-01-11 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	0.127	102	90 - 110	2007-01-11
Dissolved Cadmium		mg/L	1.00	1.06	106	90 - 110	2007-01-11
Dissolved Chromium		mg/L	1.00	1.06	106	90 - 110	2007-01-11
Dissolved Copper		mg/L	1.00	1.07	107	90 - 110	2007-01-11
Dissolved Lead		mg/L	1.00	1.06	106	90 - 110	2007-01-11
Dissolved Zinc		mg/L	1.00	1.03	103	90 - 110	2007-01-11

Standard (ICV-1)

QC Batch: 33565 Date Analyzed: 2007-01-11 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	0.120	96	90 - 110	2007-01-11
Total Cadmium		mg/L	1.00	0.954	95	90 - 110	2007-01-11
Total Chromium		mg/L	1.00	0.911	91	90 - 110	2007-01-11
Total Copper		mg/L	1.00	0.936	94	90 - 110	2007-01-11
Total Phosphorous		mg/L	5.00	4.51	90	90 - 110	2007-01-11
Total Lead		mg/L	1.00	0.976	98	90 - 110	2007-01-11
Total Zinc		mg/L	1.00	0.961	96	90 - 110	2007-01-11

Standard (CCV-1)

QC Batch: 33565 Date Analyzed: 2007-01-11 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	0.131	105	90 - 110	2007-01-11
Total Cadmium		mg/L	1.00	0.987	99	90 - 110	2007-01-11
Total Chromium		mg/L	1.00	0.986	99	90 - 110	2007-01-11
Total Copper		mg/L	1.00	1.02	102	90 - 110	2007-01-11
Total Phosphorous		mg/L	5.00	4.90	98	90 - 110	2007-01-11

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standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.983	98	90 - 110	2007-01-11
Total Zinc		mg/L	1.00	1.05	105	90 - 110	2007-01-11

Standard (ICV-1)

QC Batch: 33566 Date Analyzed: 2007-01-11 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	258	103	85 - 115	2007-01-11

Standard (CCV-1)

QC Batch: 33566 Date Analyzed: 2007-01-11 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	280	112	85 - 115	2007-01-11

Standard (ICV-1)

QC Batch: 33596 Date Analyzed: 2007-01-12 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	4.70	94	85 - 115	2007-01-12

Standard (CCV-1)

QC Batch: 33596 Date Analyzed: 2007-01-12 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	4.87	97	85 - 115	2007-01-12

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: 33613 Date Analyzed: 2007-01-10 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	1400	99	96.7 - 108	2007-01-10

Standard (CCV-1)

QC Batch: 33613 Date Analyzed: 2007-01-10 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	1400	99	96.7 - 108	2007-01-10

Standard (ICV-1)

QC Batch: 33636 Date Analyzed: 2007-01-12 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	50.2	100	90 - 110	2007-01-12

Standard (CCV-1)

QC Batch: 33636 Date Analyzed: 2007-01-12 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	49.7	99	90 - 110	2007-01-12

Standard (ICV-1)

QC Batch: 33640 Date Analyzed: 2007-01-11 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.42	97	90 - 110	2007-01-11
Nitrite-N		mg/L	2.50	2.52	101	90 - 110	2007-01-11
Nitrate-N		mg/L	2.50	2.49	100	90 - 110	2007-01-11

Standard (CCV-1)

QC Batch: 33640 Date Analyzed: 2007-01-11 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.49	100	90 - 110	2007-01-11
Nitrite-N		mg/L	2.50	2.52	101	90 - 110	2007-01-11
Nitrate-N		mg/L	2.50	2.50	100	90 - 110	2007-01-11

Standard (ICV-1)

QC Batch: 33651 Date Analyzed: 2007-01-11 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	998	100	94.4 - 106	2007-01-11

Standard (CCV-1)

QC Batch: 33651 Date Analyzed: 2007-01-11 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	1010	101	94.4 - 106	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

continued . . .

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
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: 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: 33696 Date Analyzed: 2007-01-10 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	6.98	100	98.8 - 101	2007-01-10

Standard (CCV-1)

QC Batch: 33696 Date Analyzed: 2007-01-10 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	7.00	100	98.8 - 101	2007-01-10

Standard (ICV-1)

QC Batch: 33702 Date Analyzed: 2007-01-16 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	52.0	104	90 - 110	2007-01-16

Standard (CCV-1)

QC Batch: 33702 Date Analyzed: 2007-01-16 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	50.5	101	90 - 110	2007-01-16

Standard (CCV-1)

QC Batch: 33703 Date Analyzed: 2007-01-15 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	52.0	104	80 - 120	2007-01-15
1,1-Dichloroethene		µg/L	50.0	48.2	96	80 - 120	2007-01-15
Chloroform		µg/L	50.0	49.6	99	80 - 120	2007-01-15
1,2-Dichloropropane		µg/L	50.0	49.8	100	80 - 120	2007-01-15
Toluene		µg/L	50.0	46.0	92	80 - 120	2007-01-15
Chlorobenzene		µg/L	50.0	47.9	96	80 - 120	2007-01-15
Ethylbenzene		µg/L	50.0	50.4	101	80 - 120	2007-01-15

Standard (ICV-1)

QC Batch: 33753 Date Analyzed: 2007-01-12 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	11.6	93	90 - 110	2007-01-12

Standard (CCV-1)

QC Batch: 33753 Date Analyzed: 2007-01-12 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	11.6	93	90 - 110	2007-01-12

Standard (ICV-1)

QC Batch: 33762 Date Analyzed: 2007-01-17 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	2.34	94	90 - 110	2007-01-17
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-01-17

Standard (CCV-1)

QC Batch: 33762 Date Analyzed: 2007-01-17 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	2.38	95	90 - 110	2007-01-17
Sulfate		mg/L	12.5	11.9	95	90 - 110	2007-01-17

Standard (ICV-1)

QC Batch: 33819 Date Analyzed: 2007-01-19 Analyzed By: KV

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.59	112	80 - 120	2007-01-19

Standard (CCV-1)

QC Batch: 33819 Date Analyzed: 2007-01-19 Analyzed By: KV

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Organic Carbon		mg/L	5.00	5.91	118	80 - 120	2007-01-19