Analytical and Quality Control Report

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Report Date: February 1, 2007

Work Order: 7011607

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
114010	HLSF-0085-DRW-013-0107	water	2007-01-12	12:30	2007-01-12
114011	HLSF-0085-TB-745-0107	water	2007-01-12	12:30	2007-01-12

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 35 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: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	34057	Date Analyzed:	2007-01-25	Analyzed By:	JG
Prep Batch:	29557	Sample Preparation:	2007-01-25	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		**146**		mg/L as CaCo3	1	4.00
Total Alkalinity		**146**		mg/L as CaCo3	1	4.00

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	33858	Date Analyzed:	2007-01-22	Analyzed By:	SM
Prep Batch:	29394	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: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	33730	Date Analyzed:	2007-01-12	Analyzed By:	DR
Prep Batch:	29305	Sample Preparation:	2007-01-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**7860**		μMHOS/cm	1	0.00

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34009	Date Analyzed:	2007-01-26	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: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33915	Date Analyzed:	2007-01-13	Analyzed By:	JR
Prep Batch:	29455	Sample Preparation:	2007-01-13	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromide		<1.00		mg/L	5	0.200
Chloride		**664**		mg/L	50	2.00
Fluoride		**4.61**		mg/L	5	0.200
Nitrite-N		<1.00		mg/L	10	0.100
Nitrate-N		**24.6**		mg/L	10	0.100
Sulfate		**3780**		mg/L	500	1.00

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	33699	Date Analyzed:	2007-01-12	Analyzed By:	DR
Prep Batch:	29272	Sample Preparation:	2007-01-12	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.85**		s.u.	1	0.00

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33995	Date Analyzed:	2007-01-25	Analyzed By:	TP
Prep Batch:	29362	Sample Preparation:	2007-01-19	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Sodium		**1120**		mg/L	100	0.500

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33999	Date Analyzed:	2007-01-25	Analyzed By:	TP
Prep Batch:	29352	Sample Preparation:	2007-01-18	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**1210**		mg/L	100	0.500

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	33708	Date Analyzed:	2007-01-16	Analyzed By:	DS
Prep Batch:	29280	Sample Preparation:	2007-01-16	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
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

continued . . .

sample 114010 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
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		0.0322	mg/L	1	0.0800	40	10 - 75.1
Phenol-d5		0.0246	mg/L	1	0.0800	31	10 - 56.2

continued ...

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0777	mg/L	1	0.0800	97	18.1 - 108
2-Fluorobiphenyl		0.0841	mg/L	1	0.0800	105	20 - 112
2,4,6-Tribromophenol		0.0431	mg/L	1	0.0800	54	10 - 135
Terphenyl-d14		0.0908	mg/L	1	0.0800	114	28.2 - 134

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33818	Date Analyzed:	2007-01-17	Analyzed By:	JG
Prep Batch:	29374	Sample Preparation:	2007-01-17	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**7220**	mg/L	1	5.00

Sample: 114010 - HLSF-0085-DRW-013-0107

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

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33807	Date Analyzed:	2007-01-19	Analyzed By:	RR
Prep Batch:	29352	Sample Preparation:	2007-01-18	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		**0.00900**	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: 114010 - HLSF-0085-DRW-013-0107

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		17.0	mg/L	1	15.0	113	57 - 132.3

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	33739	Date Analyzed:	2007-01-17	Analyzed By:	KB
Prep Batch:	29314	Sample Preparation:	2007-01-17	Prepared By:	KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0955	mg/L	1	0.100	96	58.5 - 135
4-Bromofluorobenzene (4-BFB)		0.0899	mg/L	1	0.100	90	66.8 - 115

Sample: 114010 - HLSF-0085-DRW-013-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34010	Date Analyzed:	2007-01-23	Analyzed By:	JG
Prep Batch:	29527	Sample Preparation:	2007-01-23	Prepared By:	JG

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

continued . . .

sample 114010 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
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		**3.80**	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		**1.10**	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

continued . . .

sample 114010 continued . . .

Parameter	Flag	Result	RL	Units	Dilution	RL
Isopropyl Alcohol		<5.00		µg/L	1	5.00
Tert-butyl Alcohol		<5.00		µg/L	1	5.00
1,4-Dioxane		<5.00		µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.6	µg/L	1	50.0	109	82.4 - 115
Toluene-d8		48.4	µg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.7	µg/L	1	50.0	93	84.6 - 114

Sample: 114011 - HLSF-0085-TB-745-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34010	Date Analyzed:	2007-01-23	Analyzed By:	JG
Prep Batch:	29527	Sample Preparation:	2007-01-23	Prepared By:	JG

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

continued . . .

sample 114011 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
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		53.6	µg/L	1	50.0	107	82.4 - 115
Toluene-d8		47.5	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.6	µg/L	1	50.0	91	84.6 - 114

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: 33708

QC Batch: 33708 Date Analyzed: 2007-01-16 Analyzed By: DS
Prep Batch: 29280 QC Preparation: 2007-01-16 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		0.00180	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
bis(2-ethylhexyl)phthalate		<0.00340	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		0.0283	mg/L	1	0.0800	35	15.6 - 49.6
Phenol-d5		0.0221	mg/L	1	0.0800	28	10.2 - 33.6
Nitrobenzene-d5		0.0652	mg/L	1	0.0800	82	46.7 - 112
2-Fluorobiphenyl		0.0645	mg/L	1	0.0800	81	44.4 - 108
2,4,6-Tribromophenol		0.0500	mg/L	1	0.0800	62	24.9 - 147
Terphenyl-d14		0.0981	mg/L	1	0.0800	123	25.6 - 143

Method Blank (1) QC Batch: 33730

QC Batch: 33730 | Date Analyzed: 2007-01-12 | Analyzed By: DR
Prep Batch: 29305 | QC Preparation: 2007-01-12 | Prepared By: DR

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

Method Blank (1) QC Batch: 33739

QC Batch: 33739 | Date Analyzed: 2007-01-17 | Analyzed By: KB
Prep Batch: 29314 | QC Preparation: 2007-01-17 | Prepared By: KB

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.113	mg/L	1	0.100	113	77.2 - 124
4-Bromofluorobenzene (4-BFB)		0.0999	mg/L	1	0.100	100	58 - 111

Method Blank (1) QC Batch: 33807

QC Batch: 33807 Date Analyzed: 2007-01-19 Analyzed By: RR
Prep Batch: 29352 QC Preparation: 2007-01-18 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: 33818

QC Batch: 33818 Date Analyzed: 2007-01-17 Analyzed By: JG
Prep Batch: 29374 QC Preparation: 2007-01-17 Prepared By: JG

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

Method Blank (1) QC Batch: 33858

QC Batch: 33858 Date Analyzed: 2007-01-22 Analyzed By: SM
Prep Batch: 29394 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: 33915

QC Batch: 33915 Date Analyzed: 2007-01-13 Analyzed By: JR
Prep Batch: 29455 QC Preparation: 2007-01-13 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
Sulfate		<0.0598	mg/L	1

Method Blank (1) QC Batch: 33995

QC Batch: 33995 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: 33999

QC Batch: 33999 Date Analyzed: 2007-01-25 Analyzed By: TP
Prep Batch: 29352 QC Preparation: 2007-01-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		1.14	mg/L	0.5

Method Blank (1) QC Batch: 34009

QC Batch: 34009 Date Analyzed: 2007-01-26 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: 34010

QC Batch: 34010 Date Analyzed: 2007-01-23 Analyzed By: JG
Prep Batch: 29527 QC Preparation: 2007-01-23 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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		2.07	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		0.180	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		0.210	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		0.540	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		52.3	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		47.4	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.0	µg/L	1	50.0	92	84.6 - 114

Method Blank (1) QC Batch: 34057

QC Batch: 34057 Date Analyzed: 2007-01-25 Analyzed By: JG
Prep Batch: 29557 QC Preparation: 2007-01-25 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: 34127

QC Batch: 34127 Date Analyzed: Analyzed By:
Prep Batch: QC Preparation: Prepared By:

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

Duplicates (1)

QC Batch: 33699 Date Analyzed: 2007-01-12 Analyzed By: DR
Prep Batch: 29272 QC Preparation: 2007-01-12 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.40	7.39	s.u.	1	0	20

Duplicates (1)

QC Batch: 33730 Date Analyzed: 2007-01-12 Analyzed By: DR
Prep Batch: 29305 QC Preparation: 2007-01-12 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	14700	14700	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33818 Date Analyzed: 2007-01-17 Analyzed By: JG
Prep Batch: 29374 QC Preparation: 2007-01-17 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	27100	27500	mg/L	1	2	20

Duplicates (1)

QC Batch: 34057 Date Analyzed: 2007-01-25 Analyzed By: JG
Prep Batch: 29557 QC Preparation: 2007-01-25 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	118	120	mg/L as CaCo3	1	2	6.3
Total Alkalinity	118	120	mg/L as CaCo3	1	2	6.3

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: 33708 | Date Analyzed: 2007-01-16 | Analyzed By: DS
Prep Batch: 29280 | QC Preparation: 2007-01-16 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0148	mg/L	1	0.0800	<0.000590	18	10 - 51.1
2-Chlorophenol	0.0429	mg/L	1	0.0800	<0.00279	54	10 - 116
1,4-Dichlorobenzene (para)	0.0441	mg/L	1	0.0800	<0.000817	55	10.7 - 109
n-Nitrosodi-n-propylamine	0.0602	mg/L	1	0.0800	<0.00117	75	16.9 - 125
1,2,4-Trichlorobenzene	0.0496	mg/L	1	0.0800	<0.00108	62	13.9 - 134
4-Chloro-3-methylphenol	0.0457	mg/L	1	0.0800	<0.00102	57	13.3 - 141
Acenaphthene	0.0513	mg/L	1	0.0800	<0.000990	64	34 - 120
4-Nitrophenol [1]	0.00960	mg/L	1	0.0800	<0.00914	12	12.8 - 106
2,4-Dinitrotoluene	0.0478	mg/L	1	0.0800	<0.000729	60	40.5 - 142
Pentachlorophenol	0.0369	mg/L	1	0.0800	<0.00539	46	10 - 152
Pyrene	0.0770	mg/L	1	0.0800	<0.00101	96	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	0.0140	mg/L	1	0.0800	<0.000590	18	10 - 51.1	6	20
2-Chlorophenol	0.0412	mg/L	1	0.0800	<0.00279	52	10 - 116	4	20
1,4-Dichlorobenzene (para)	0.0416	mg/L	1	0.0800	<0.000817	52	10.7 - 109	6	20
n-Nitrosodi-n-propylamine	0.0634	mg/L	1	0.0800	<0.00117	79	16.9 - 125	5	20
1,2,4-Trichlorobenzene	0.0451	mg/L	1	0.0800	<0.00108	56	13.9 - 134	10	20
4-Chloro-3-methylphenol	0.0452	mg/L	1	0.0800	<0.00102	56	13.3 - 141	1	20
Acenaphthene	0.0487	mg/L	1	0.0800	<0.000990	61	34 - 120	5	20
4-Nitrophenol [2]	<0.00914	mg/L	1	0.0800	<0.00914	0	12.8 - 106	200	20
2,4-Dinitrotoluene	0.0443	mg/L	1	0.0800	<0.000729	55	40.5 - 142	8	20
Pentachlorophenol	0.0372	mg/L	1	0.0800	<0.00539	46	10 - 152	1	20
Pyrene	0.0735	mg/L	1	0.0800	<0.00101	92	47.2 - 151	5	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0229	0.0217	mg/L	1	0.0800	29	27	10 - 77.8
Phenol-d5	0.0181	0.0176	mg/L	1	0.0800	23	22	10 - 47
Nitrobenzene-d5	0.0563	0.0517	mg/L	1	0.0800	70	65	10 - 170
2-Fluorobiphenyl	0.0626	0.0578	mg/L	1	0.0800	78	72	10 - 200
2,4,6-Tribromophenol	0.0477	0.0457	mg/L	1	0.0800	60	57	29 - 99.9
Terphenyl-d14	0.0933	0.0877	mg/L	1	0.0800	117	110	10 - 179

[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. •

Laboratory Control Spike (LCS-1)

QC Batch: 33739 | Date Analyzed: 2007-01-17 | Analyzed By: KB
Prep Batch: 29314 | QC Preparation: 2007-01-17 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.953	mg/L	1	1.00	<0.0272	95	71.4 - 123

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	1.04	mg/L	1	1.00	<0.0272	104	71.4 - 123	9	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)	0.100	0.105	mg/L	1	0.100	100	105	73.8 - 122
4-Bromofluorobenzene (4-BFB)	0.101	0.108	mg/L	1	0.100	101	108	82.6 - 112

Laboratory Control Spike (LCS-1)

QC Batch: 33807 | Date Analyzed: 2007-01-19 | Analyzed By: RR
Prep Batch: 29352 | QC Preparation: 2007-01-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.116	mg/L	1	0.125	<0.000274	93	87.9 - 111
Total Cadmium	0.222	mg/L	1	0.250	<0.000268	89	86.8 - 110
Total Chromium	0.0980	mg/L	1	0.100	<0.00357	98	86.5 - 115
Total Copper	0.120	mg/L	1	0.125	<0.00127	96	83.4 - 117
Total Phosphorous	0.442	mg/L	1	0.500	<0.0229	88	87.3 - 114
Total Lead	0.480	mg/L	1	0.500	<0.00310	96	83 - 109
Total Zinc	0.232	mg/L	1	0.250	<0.000666	93	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	0.116	mg/L	1	0.125	<0.000274	93	87.9 - 111	0	20
Total Cadmium	0.226	mg/L	1	0.250	<0.000268	90	86.8 - 110	2	20
Total Chromium	0.0950	mg/L	1	0.100	<0.00357	95	86.5 - 115	3	20
Total Copper	0.118	mg/L	1	0.125	<0.00127	94	83.4 - 117	2	20
Total Phosphorous	0.425	mg/L	1	0.500	<0.0229	85	87.3 - 114	4	20
Total Lead	0.480	mg/L	1	0.500	<0.00310	96	83 - 109	0	20
Total Zinc	0.227	mg/L	1	0.250	<0.000666	91	82.9 - 109	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 33858 | Date Analyzed: 2007-01-22 | Analyzed By: SM
Prep Batch: 29394 | QC Preparation: 2007-01-22 | Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.65	mg/L	1	5.00	<0.820	93	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	4.31	mg/L	1	5.00	<0.820	86	68.5 - 111	8	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: 33915 | Date Analyzed: 2007-01-13 | Analyzed By: JR
Prep Batch: 29455 | QC Preparation: 2007-01-13 | Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.61	mg/L	1	2.50	<0.0217	104	90 - 110
Chloride	12.4	mg/L	1	12.5	<0.0257	99	90 - 110
Fluoride	2.56	mg/L	1	2.50	<0.0168	102	88.6 - 107
Nitrite-N	2.57	mg/L	1	2.50	<0.0168	103	90 - 110
Nitrate-N	2.58	mg/L	1	2.50	<0.0168	103	90 - 110
Sulfate	12.8	mg/L	1	12.5	<0.0598	102	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	2.58	mg/L	1	2.50	<0.0217	103	90 - 110	1	20
Chloride	12.4	mg/L	1	12.5	<0.0257	99	90 - 110	0	20
Fluoride	2.56	mg/L	1	2.50	<0.0168	102	88.6 - 107	0	20
Nitrite-N	2.57	mg/L	1	2.50	<0.0168	103	90 - 110	0	20
Nitrate-N	2.57	mg/L	1	2.50	<0.0168	103	90 - 110	0	20
Sulfate	12.8	mg/L	1	12.5	<0.0598	102	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: 33995 | 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: 33999 | Date Analyzed: 2007-01-25 | Analyzed By: TP
Prep Batch: 29352 | QC Preparation: 2007-01-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	51.5	mg/L	1	50.0	<0.0309	103	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	51.4	mg/L	1	50.0	<0.0309	103	87.3 - 124	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: 34009 | Date Analyzed: 2007-01-26 | 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	0.239	mg/L	1	0.250	<0.000577	96	83.3 - 113
Dissolved Chromium	0.102	mg/L	1	0.100	<0.00357	102	83 - 112
Dissolved Copper	0.127	mg/L	1	0.125	<0.00127	102	84.3 - 114
Dissolved Lead	0.495	mg/L	1	0.500	<0.00398	99	81.1 - 111
Dissolved Zinc	0.231	mg/L	1	0.250	<0.00300	92	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	0.123	mg/L	1	0.125	<0.000199	98	86.2 - 116	2	20
Dissolved Cadmium	0.241	mg/L	1	0.250	<0.000577	96	83.3 - 113	1	20
Dissolved Chromium	0.102	mg/L	1	0.100	<0.00357	102	83 - 112	0	20
Dissolved Copper	0.128	mg/L	1	0.125	<0.00127	102	84.3 - 114	1	20
Dissolved Lead	0.503	mg/L	1	0.500	<0.00398	101	81.1 - 111	2	20
Dissolved Zinc	0.231	mg/L	1	0.250	<0.00300	92	84.7 - 113	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: 34010 | Date Analyzed: 2007-01-23 | Analyzed By: JG
Prep Batch: 29527 | QC Preparation: 2007-01-23 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	52.5	µg/L	1	50.0	<0.0736	105	83.4 - 114
Benzene	53.3	µg/L	1	50.0	<0.0495	107	83.5 - 115
Trichloroethene (TCE)	52.2	µg/L	1	50.0	<0.0495	104	91.3 - 111

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control spikes continued . . .

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	50.6	µg/L	1	50.0	<0.0736	101	82 - 110
Chlorobenzene	51.7	µg/L	1	50.0	<0.0217	103	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	53.1	µg/L	1	50.0	<0.0736	106	83.4 - 114	1	20
Benzene	52.9	µg/L	1	50.0	<0.0495	106	83.5 - 115	1	20
Trichloroethene (TCE)	51.7	µg/L	1	50.0	<0.0495	103	91.3 - 111	1	20
Toluene	50.2	µg/L	1	50.0	<0.0736	100	82 - 110	1	20
Chlorobenzene	51.9	µg/L	1	50.0	<0.0217	104	87.9 - 109	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.0	50.8	µg/L	1	50.0	102	102	82.4 - 115
Toluene-d8	47.3	47.1	µg/L	1	50.0	95	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.4	48.3	µg/L	1	50.0	95	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 34127 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	5.26	mg/L	1	5.00	<0.382	105	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	4.67	mg/L	1	5.00	<0.382	93	70 - 130	12	20

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

Matrix Spike (MS-1) Spiked Sample: 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: 114014

QC Batch: 33708 Date Analyzed: 2007-01-16 Analyzed By: DS
Prep Batch: 29280 QC Preparation: 2007-01-16 Prepared By: DS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0174	mg/L	1	0.0800	<0.000590	22	10 - 60.9
2-Chlorophenol		0.0421	mg/L	1	0.0800	<0.00279	53	10 - 125
1,4-Dichlorobenzene (para)		0.0425	mg/L	1	0.0800	<0.000817	53	10 - 180
n-Nitrosodi-n-propylamine		0.0699	mg/L	1	0.0800	<0.00117	87	16 - 95
1,2,4-Trichlorobenzene		0.0461	mg/L	1	0.0800	<0.00108	58	10 - 187
4-Chloro-3-methylphenol		0.0514	mg/L	1	0.0800	<0.00102	64	10 - 170
Acenaphthene		0.0481	mg/L	1	0.0800	<0.000990	60	10 - 173
4-Nitrophenol	[3]	<0.00914	mg/L	1	0.0800	<0.00914	0	10 - 155
2,4-Dinitrotoluene		0.0477	mg/L	1	0.0800	<0.000729	60	10 - 240
Pentachlorophenol		0.0307	mg/L	1	0.0800	<0.00539	38	10 - 153
Pyrene		0.0911	mg/L	1	0.0800	<0.00101	114	10 - 182

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0173	mg/L	1	0.0800	<0.000590	22	10 - 60.9	1	20
2-Chlorophenol		0.0426	mg/L	1	0.0800	<0.00279	53	10 - 125	1	20
1,4-Dichlorobenzene (para)		0.0431	mg/L	1	0.0800	<0.000817	54	10 - 180	1	20
n-Nitrosodi-n-propylamine		0.0593	mg/L	1	0.0800	<0.00117	74	16 - 95	16	20
1,2,4-Trichlorobenzene		0.0478	mg/L	1	0.0800	<0.00108	60	10 - 187	4	20
4-Chloro-3-methylphenol		0.0437	mg/L	1	0.0800	<0.00102	55	10 - 170	16	20
Acenaphthene		0.0493	mg/L	1	0.0800	<0.000990	62	10 - 173	2	20
4-Nitrophenol	[4]	<0.00914	mg/L	1	0.0800	<0.00914	0	10 - 155	0	20
2,4-Dinitrotoluene		0.0441	mg/L	1	0.0800	<0.000729	55	10 - 240	8	20
Pentachlorophenol		0.0320	mg/L	1	0.0800	<0.00539	40	10 - 153	4	20
Pyrene		0.0782	mg/L	1	0.0800	<0.00101	98	10 - 182	15	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0229	0.0232	mg/L	1	0.08	29	29	10 - 71.4
Phenol-d5	0.0176	0.0177	mg/L	1	0.08	22	22	10 - 53.1
Nitrobenzene-d5	0.0511	0.0520	mg/L	1	0.08	64	65	10 - 200
2-Fluorobiphenyl	0.0524	0.0579	mg/L	1	0.08	66	72	11 - 145
2,4,6-Tribromophenol	0.0453	0.0409	mg/L	1	0.08	57	51	10 - 174
Terphenyl-d14	0.0981	0.0918	mg/L	1	0.08	123	115	10 - 164

[3] 4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte. •
[4] 4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte. •

Matrix Spike (MS-1) Spiked Sample: 114008

QC Batch: 33807 Date Analyzed: 2007-01-19 Analyzed By: RR
Prep Batch: 29352 QC Preparation: 2007-01-18 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.117	mg/L	1	0.125	<0.000274	94	88.2 - 114
Total Cadmium	0.227	mg/L	1	0.250	<0.000268	91	66.5 - 121
Total Chromium	0.0950	mg/L	1	0.100	<0.00357	95	69.2 - 129
Total Copper	0.121	mg/L	1	0.125	<0.00127	97	83.8 - 118
Total Phosphorous	0.457	mg/L	1	0.500	<0.0229	91	70.1 - 115
Total Lead	0.477	mg/L	1	0.500	<0.00310	95	71.9 - 115
Total Zinc	0.239	mg/L	1	0.250	0.012	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	1	20
Total Cadmium	0.226	mg/L	1	0.250	<0.000268	90	66.5 - 121	0	20
Total Chromium	0.0960	mg/L	1	0.100	<0.00357	96	69.2 - 129	1	20
Total Copper	0.121	mg/L	1	0.125	<0.00127	97	83.8 - 118	0	20
Total Phosphorous	0.441	mg/L	1	0.500	<0.0229	88	70.1 - 115	4	20
Total Lead	0.495	mg/L	1	0.500	<0.00310	99	71.9 - 115	4	20
Total Zinc	0.238	mg/L	1	0.250	0.012	90	75.5 - 113	0	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: 114014

QC Batch: 33807 Date Analyzed: 2007-01-19 Analyzed By: RR
Prep Batch: 29352 QC Preparation: 2007-01-18 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	0.213	mg/L	1	0.250	<0.000268	85	66.5 - 121
Total Chromium	0.214	mg/L	1	0.100	0.131	83	69.2 - 129
Total Copper	0.116	mg/L	1	0.125	<0.00127	93	83.8 - 118
Total Phosphorous	0.426	mg/L	1	0.500	<0.0229	85	70.1 - 115
Total Lead	0.472	mg/L	1	0.500	<0.00310	94	71.9 - 115
Total Zinc	0.214	mg/L	1	0.250	<0.000666	86	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	1	20
Total Cadmium	0.225	mg/L	1	0.250	<0.000268	90	66.5 - 121	6	20
Total Chromium	0.212	mg/L	1	0.100	0.131	81	69.2 - 129	1	20
Total Copper	0.115	mg/L	1	0.125	<0.00127	92	83.8 - 118	1	20
Total Phosphorous	0.472	mg/L	1	0.500	<0.0229	94	70.1 - 115	10	20
Total Lead	0.491	mg/L	1	0.500	<0.00310	98	71.9 - 115	4	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.217	mg/L	1	0.250	<0.000666	87	75.5 - 113	1	20

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

Matrix Spike (MS-1) Spiked Sample: 114202

QC Batch: 33858 Date Analyzed: 2007-01-22 Analyzed By: SM
Prep Batch: 29394 QC Preparation: 2007-01-22 Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	3.98	mg/L	1	5.00	<0.820	80	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	4.31	mg/L	1	5.00	<0.820	86	55.4 - 124	8	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: 114010

QC Batch: 33915 Date Analyzed: 2007-01-13 Analyzed By: JR
Prep Batch: 29455 QC Preparation: 2007-01-13 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	1260	mg/L	500	1250	<10.8	101	90 - 110
Chloride	6800	mg/L	500	6250	1060	92	90 - 110
Fluoride	1290	mg/L	500	1250	<8.40	103	89.9 - 104
Nitrite-N	1280	mg/L	500	1250	<8.40	102	90 - 110
Nitrate-N	1300	mg/L	500	1250	<8.40	104	78.6 - 105
Sulfate	9800	mg/L	500	6250	3780	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
Bromide	1270	mg/L	500	1250	<10.8	102	90 - 110	1	20
Chloride	6780	mg/L	500	6250	1060	92	90 - 110	0	20
Fluoride	1280	mg/L	500	1250	<8.40	102	89.9 - 104	1	20
Nitrite-N	1280	mg/L	500	1250	<8.40	102	90 - 110	0	20
Nitrate-N	1300	mg/L	500	1250	<8.40	104	78.6 - 105	0	20
Sulfate	9780	mg/L	500	6250	3780	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: 114202

QC Batch: 33995 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	[5]	6610	mg/L	100	5000	6470	3	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]	6720	mg/L	100	5000	6470	5	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: 114008

QC Batch: 33999 Date Analyzed: 2007-01-25 Analyzed By: TP
Prep Batch: 29352 QC Preparation: 2007-01-18 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	53.8	mg/L	1	50.0	1.57	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	52.0	mg/L	1	50.0	1.57	101	75 - 125	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: 114202

QC Batch: 34009 Date Analyzed: 2007-01-26 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
Dissolved Cadmium		0.248	mg/L	1	0.250	<0.000577	99	75 - 112
Dissolved Chromium		0.0850	mg/L	1	0.100	<0.00357	85	75 - 121
Dissolved Copper		0.118	mg/L	1	0.125	<0.00127	94	81.5 - 125
Dissolved Lead		0.454	mg/L	1	0.500	<0.00398	91	75 - 111
Dissolved Zinc	[7]	0.181	mg/L	1	0.250	<0.00300	72	80.4 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.116	mg/L	1	0.125	<0.000199	93	90.1 - 120	1	20
Dissolved Cadmium	0.246	mg/L	1	0.250	<0.000577	98	75 - 112	1	20
Dissolved Chromium	0.0860	mg/L	1	0.100	<0.00357	86	75 - 121	1	20
Dissolved Copper	0.116	mg/L	1	0.125	<0.00127	93	81.5 - 125	2	20
Dissolved Lead	0.435	mg/L	1	0.500	<0.00398	87	75 - 111	4	20

continued ...

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

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc [8]	0.168	mg/L	1	0.250	<0.00300	67	80.4 - 120	7	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: 114014

QC Batch: 34010 Date Analyzed: 2007-01-23 Analyzed By: JG
Prep Batch: 29527 QC Preparation: 2007-01-23 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	51.9	µg/L	1	50.0	<0.0736	104	78.7 - 119
Benzene	52.8	µg/L	1	50.0	<0.0495	106	75.8 - 125
Trichloroethene (TCE)	62.9	µg/L	1	50.0	12.7	100	83.6 - 112
Toluene	49.5	µg/L	1	50.0	<0.0736	99	81.6 - 115
Chlorobenzene	50.7	µg/L	1	50.0	<0.0217	101	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	53.6	µg/L	1	50.0	<0.0736	107	78.7 - 119	3	20
Benzene	53.8	µg/L	1	50.0	<0.0495	108	75.8 - 125	2	20
Trichloroethene (TCE)	65.2	µg/L	1	50.0	12.7	105	83.6 - 112	4	20
Toluene	50.2	µg/L	1	50.0	<0.0736	100	81.6 - 115	1	20
Chlorobenzene	51.8	µg/L	1	50.0	<0.0217	104	83.9 - 113	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.9	51.5	µg/L	1	50	104	103	86.6 - 114
Toluene-d8	48.0	48.5	µg/L	1	50	96	97	91 - 109
4-Bromofluorobenzene (4-BFB)	49.5	50.4	µg/L	1	50	99	101	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 114018

QC Batch: 34127 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	4.87	mg/L	1	5.00	<0.382	97	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	5.20	mg/L	1	5.00	<0.382	104	70 - 130	7	20

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

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

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 (CCV-2)

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	273	109	85 - 115	2007-01-16

Standard (ICV-1)

QC Batch: 33699 Date Analyzed: 2007-01-12 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	7.01	100	98.8 - 101	2007-01-12

Standard (CCV-1)

QC Batch: 33699 Date Analyzed: 2007-01-12 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	7.04	100	98.8 - 101	2007-01-12

Standard (CCV-1)

QC Batch: 33708 Date Analyzed: 2007-01-16 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	67.1	112	80 - 120	2007-01-16
1,4-Dichlorobenzene (para)		mg/L	60.0	61.8	103	80 - 120	2007-01-16
2-Nitrophenol		mg/L	60.0	64.6	108	80 - 120	2007-01-16
2,4-Dichlorophenol		mg/L	60.0	61.5	102	80 - 120	2007-01-16
Hexachlorobutadiene		mg/L	60.0	61.0	102	80 - 120	2007-01-16
4-Chloro-3-methylphenol		mg/L	60.0	54.6	91	80 - 120	2007-01-16
2,4,6-Trichlorophenol		mg/L	60.0	64.3	107	80 - 120	2007-01-16
Acenaphthene		mg/L	60.0	58.8	98	80 - 120	2007-01-16
Diphenylamine		mg/L	60.0	64.8	108	80 - 120	2007-01-16

continued...

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pentachlorophenol		mg/L	60.0	59.4	99	80 - 120	2007-01-16
Fluoranthene		mg/L	60.0	56.5	94	80 - 120	2007-01-16
Di-n-octylphthalate		mg/L	60.0	56.6	94	80 - 120	2007-01-16
Benzo(a)pyrene		mg/L	60.0	64.4	107	80 - 120	2007-01-16

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		65.9	mg/L	1	60.0	110	80 - 120
Phenol-d5	[9]	78.8	mg/L	1	60.0	131	80 - 120
Nitrobenzene-d5		65.4	mg/L	1	60.0	109	80 - 120
2-Fluorobiphenyl		68.5	mg/L	1	60.0	114	80 - 120
2,4,6-Tribromophenol	[10]	45.7	mg/L	1	60.0	76	80 - 120
Terphenyl-d14		61.5	mg/L	1	60.0	102	80 - 120

Standard (ICV-1)

QC Batch: 33730 Date Analyzed: 2007-01-12 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2007-01-12

Standard (CCV-1)

QC Batch: 33730 Date Analyzed: 2007-01-12 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2007-01-12

Standard (ICV-1)

QC Batch: 33739 Date Analyzed: 2007-01-17 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	1.06	106	85 - 115	2007-01-17

Standard (CCV-1)

QC Batch: 33739 Date Analyzed: 2007-01-17 Analyzed By: KB

[9]Phenol-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 104% which is within acceptable range. This is acceptable by Method 8000.
[10]2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 104% which is within acceptable range. This is acceptable by Method 8000.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.01	101	85 - 115	2007-01-17

Standard (ICV-1)

QC Batch: 33807 Date Analyzed: 2007-01-19 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	0.124	99	90 - 110	2007-01-19
Total Cadmium		mg/L	1.00	0.946	95	90 - 110	2007-01-19
Total Chromium		mg/L	1.00	0.949	95	90 - 110	2007-01-19
Total Copper		mg/L	1.00	0.964	96	90 - 110	2007-01-19
Total Phosphorous		mg/L	5.00	4.75	95	90 - 110	2007-01-19
Total Lead		mg/L	1.00	0.977	98	90 - 110	2007-01-19
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-01-19

Standard (CCV-1)

QC Batch: 33807 Date Analyzed: 2007-01-19 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	0.125	100	90 - 110	2007-01-19
Total Cadmium		mg/L	1.00	0.951	95	90 - 110	2007-01-19
Total Chromium		mg/L	1.00	0.956	96	90 - 110	2007-01-19
Total Copper		mg/L	1.00	0.987	99	90 - 110	2007-01-19
Total Phosphorous		mg/L	5.00	4.75	95	90 - 110	2007-01-19
Total Lead		mg/L	1.00	0.989	99	90 - 110	2007-01-19
Total Zinc		mg/L	1.00	1.02	102	90 - 110	2007-01-19

Standard (ICV-1)

QC Batch: 33818 Date Analyzed: 2007-01-17 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	983	98	94.4 - 106	2007-01-17

Standard (CCV-1)

QC Batch: 33818 Date Analyzed: 2007-01-17 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	981	98	94.4 - 106	2007-01-17

Standard (ICV-1)

QC Batch: 33858 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	4.82	96	85 - 115	2007-01-22

Standard (CCV-1)

QC Batch: 33858 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	4.93	99	85 - 115	2007-01-22

Standard (ICV-1)

QC Batch: 33915 Date Analyzed: 2007-01-13 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	2.48	99	93.2 - 98.5	2007-01-13
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-01-13
Fluoride		mg/L	2.50	2.50	100	90 - 110	2007-01-13
Nitrite-N		mg/L	2.50	2.48	99	90 - 110	2007-01-13
Nitrate-N		mg/L	2.50	2.42	97	90 - 110	2007-01-13
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-01-13

Standard (CCV-1)

QC Batch: 33915 Date Analyzed: 2007-01-13 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	2.52	101	93.2 - 98.5	2007-01-13
Chloride		mg/L	12.5	12.3	98	90 - 110	2007-01-13
Fluoride		mg/L	2.50	2.54	102	90 - 110	2007-01-13
Nitrite-N		mg/L	2.50	2.50	100	90 - 110	2007-01-13
Nitrate-N		mg/L	2.50	2.45	98	90 - 110	2007-01-13
Sulfate		mg/L	12.5	12.2	98	90 - 110	2007-01-13

Standard (ICV-1)

QC Batch: 33995 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: 33995 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	50.8	102	90 - 110	2007-01-25

Standard (ICV-1)

QC Batch: 33999 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
Total Sodium		mg/L	50.0	50.4	101	90 - 110	2007-01-25

Standard (CCV-1)

QC Batch: 33999 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
Total Sodium		mg/L	50.0	51.4	103	90 - 110	2007-01-25

Standard (ICV-1)

QC Batch: 34009 Date Analyzed: 2007-01-26 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	0.126	101	90 - 110	2007-01-26
Dissolved Cadmium		mg/L	1.00	0.978	98	95 - 105	2007-01-26
Dissolved Chromium		mg/L	1.00	0.992	99	90 - 110	2007-01-26
Dissolved Copper		mg/L	1.00	0.984	98	90 - 110	2007-01-26
Dissolved Lead		mg/L	1.00	0.977	98	90 - 110	2007-01-26
Dissolved Zinc		mg/L	1.00	1.03	103	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34009 Date Analyzed: 2007-01-26 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	0.122	98	90 - 110	2007-01-26
Dissolved Cadmium		mg/L	1.00	0.903	90	90 - 110	2007-01-26
Dissolved Chromium		mg/L	1.00	0.927	93	90 - 110	2007-01-26
Dissolved Copper		mg/L	1.00	0.936	94	90 - 110	2007-01-26
Dissolved Lead		mg/L	1.00	0.968	97	90 - 110	2007-01-26
Dissolved Zinc		mg/L	1.00	0.953	95	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34010 Date Analyzed: 2007-01-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	57.5	115	80 - 120	2007-01-23
1,1-Dichloroethene		µg/L	50.0	51.7	103	80 - 120	2007-01-23
Chloroform		µg/L	50.0	51.8	104	80 - 120	2007-01-23
1,2-Dichloropropane		µg/L	50.0	51.2	102	80 - 120	2007-01-23
Toluene		µg/L	50.0	49.1	98	80 - 120	2007-01-23
Chlorobenzene		µg/L	50.0	50.9	102	80 - 120	2007-01-23
Ethylbenzene		µg/L	50.0	52.5	105	80 - 120	2007-01-23

Standard (CCV-2)

QC Batch: 34010 Date Analyzed: 2007-01-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride	[1]	µg/L	50.0	62.6	125	80 - 120	2007-01-23
1,1-Dichloroethene		µg/L	50.0	52.3	105	80 - 120	2007-01-23
Chloroform		µg/L	50.0	52.8	106	80 - 120	2007-01-23
1,2-Dichloropropane		µg/L	50.0	52.8	106	80 - 120	2007-01-23
Toluene		µg/L	50.0	50.4	101	80 - 120	2007-01-23
Chlorobenzene		µg/L	50.0	51.1	102	80 - 120	2007-01-23

Standard (ICV-1)

QC Batch: 34057 Date Analyzed: 2007-01-25 Analyzed By: JG

[1] Vinyl Chloride outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

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	2007-01-25
Carbonate Alkalinity		mg/L as CaCo3	0.00	228		0 - 105	2007-01-25
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	18.0		0 - 105	2007-01-25
Total Alkalinity		mg/L as CaCo3	250	246	98	93.7 - 99.9	2007-01-25

Standard (CCV-1)

QC Batch: 34057 Date Analyzed: 2007-01-25 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	2007-01-25
Carbonate Alkalinity		mg/L as CaCo3	0.00	224		0 - 105	2007-01-25
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	18.0		0 - 105	2007-01-25
Total Alkalinity		mg/L as CaCo3	250	242	97	93.7 - 99.9	2007-01-25

Standard (ICV-1)

QC Batch: 34127 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	5.13	103	80 - 120	2007-01-30

Standard (CCV-1)

QC Batch: 34127 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	5.22	104	80 - 120	2007-01-30