Analytical and Quality Control Report

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Report Date: February 5, 2007

Work Order: 7011919

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
114196	HLSF-0085-DRW-011-0107	water	2007-01-16	14:32	2007-01-17
114197	HLSF-0085-TB-743-0107	water	2007-01-16	14:32	2007-01-17

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.

Michael Abel

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 114196 - HLSF-0085-DRW-011-0107

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	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		**120**	mg/L as CaCo3	1	4.00
Total Alkalinity		**120**	mg/L as CaCo3	1	4.00

Sample: 114196 - HLSF-0085-DRW-011-0107

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	RL Result	Units	Dilution	RL
Ammonia-N		**1.01**	mg/L	1	1.00

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	33815	Date Analyzed:	2007-01-17	Analyzed By:	DR
Prep Batch:	29369	Sample Preparation:	2007-01-17	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**3810**	µMHOS/cm	1	0.00

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Dissolved Metals	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	34011	Date Analyzed:	2007-01-26	Analyzed By:	RR
Prep Batch:	29362	Sample Preparation:	2007-01-19	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: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33923	Date Analyzed:	2007-01-17	Analyzed By:	JR
Prep Batch:	29463	Sample Preparation:	2007-01-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromide		<0.400		mg/L	2	0.200
Chloride		**138**		mg/L	10	2.00
Fluoride		**3.82**		mg/L	2	0.200
Nitrite-N		<0.200		mg/L	2	0.100
Nitrate-N		**7.69**		mg/L	5	0.100
Sulfate		**2120**		mg/L	100	1.00

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	33814	Date Analyzed:	2007-01-17	Analyzed By:	DR
Prep Batch:	29368	Sample Preparation:	2007-01-17	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.36**		s.u.	1	0.00

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Salts, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33998	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		**227**		mg/L	10	0.500

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Salts, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	34045	Date Analyzed:	2007-01-26	Analyzed By:	TP
Prep Batch:	29451	Sample Preparation:	2007-01-23	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**246**		mg/L	10	0.500

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Semivolatiles WTS	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	33943	Date Analyzed:	2007-01-22	Analyzed By:	DS
Prep Batch:	29480	Sample Preparation:	2007-01-22	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 114196 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		0.0130	mg/L	1	0.0800	16	10 - 75.1
Phenol-d5		0.0112	mg/L	1	0.0800	14	10 - 56.2

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0380	mg/L	1	0.0800	48	18.1 - 108
2-Fluorobiphenyl		0.0407	mg/L	1	0.0800	51	20 - 112
2,4,6-Tribromophenol		0.0301	mg/L	1	0.0800	38	10 - 135
Terphenyl-d14		0.0894	mg/L	1	0.0800	112	28.2 - 134

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33931	Date Analyzed:	2007-01-22	Analyzed By:	JG
Prep Batch:	29469	Sample Preparation:	2007-01-22	Prepared By:	JR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**3610**	mg/L	1	5.00

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	TOC	Analytical Method:	E 415.1	Prep Method:	N/A
QC Batch:	34296	Date Analyzed:	2007-02-05	Analyzed By:	KV
Prep Batch:	29764	Sample Preparation:		Prepared By:	KV

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

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Total Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	34019	Date Analyzed:	2007-01-26	Analyzed By:	RR
Prep Batch:	29451	Sample Preparation:	2007-01-23	Prepared By:	TS

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

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33810	Date Analyzed:	2007-01-19	Analyzed By:	SP
Prep Batch:	29364	Sample Preparation:	2007-01-19	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		18.0	mg/L	1	15.0	120	57 - 132.3

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	33830	Date Analyzed:	2007-01-19	Analyzed By:	MT
Prep Batch:	29384	Sample Preparation:	2007-01-19	Prepared By:	MT

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)		0.115	mg/L	1	0.100	115	58.5 - 135
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	66.8 - 115

Sample: 114196 - HLSF-0085-DRW-011-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34078	Date Analyzed:	2007-01-25	Analyzed By:	JG
Prep Batch:	29577	Sample Preparation:	2007-01-25	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

continued . . .

sample 114196 continued ...

Parameter	Flag	Result	RL	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		**3.93**		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
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 114196 continued . . .

Parameter	Flag	RL Result	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		51.0	µg/L	1	50.0	102	82.4 - 115
Toluene-d8		46.7	µg/L	1	50.0	93	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.0	µg/L	1	50.0	98	84.6 - 114

Sample: 114197 - HLSF-0085-TB-743-0107

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	34078	Date Analyzed:	2007-01-25	Analyzed By:	JG
Prep Batch:	29577	Sample Preparation:	2007-01-25	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	*B*	**11.4**	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	*B*	**5.43**	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 114197 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		49.9	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		47.3	µg/L	1	50.0	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.8	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 33810

QC Batch: 33810 Date Analyzed: 2007-01-19 Analyzed By: SP
Prep Batch: 29364 QC Preparation: 2007-01-19 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		16.3	mg/L	1	15.0	109	57 - 132.3

Method Blank (1) QC Batch: 33830

QC Batch: 33830 Date Analyzed: 2007-01-19 Analyzed By: MT
Prep Batch: 29384 QC Preparation: 2007-01-19 Prepared By: MT

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)		0.116	mg/L	1	0.100	116	77.2 - 124
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	58 - 111

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: 33923

QC Batch: 33923 Date Analyzed: 2007-01-17 Analyzed By: JR
Prep Batch: 29463 QC Preparation: 2007-01-17 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: 33931

QC Batch:	33931	Date Analyzed:	2007-01-22	Analyzed By:	JG
Prep Batch:	29469	QC Preparation:	2007-01-22	Prepared By:	JG

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

Method Blank (1) QC Batch: 33943

QC Batch:	33943	Date Analyzed:	2007-01-22	Analyzed By:	DS
Prep Batch:	29480	QC Preparation:	2007-01-22	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
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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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
bis(2-ethylhexyl)phthalate		0.0308	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

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
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		0.0269	mg/L	1	0.0800	34	15.6 - 49.6
Phenol-d5		0.0207	mg/L	1	0.0800	26	10.2 - 33.6
Nitrobenzene-d5		0.0751	mg/L	1	0.0800	94	46.7 - 112
2-Fluorobiphenyl		0.0730	mg/L	1	0.0800	91	44.4 - 108
2,4,6-Tribromophenol		0.0418	mg/L	1	0.0800	52	24.9 - 147
Terphenyl-d14		0.100	mg/L	1	0.0800	125	25.6 - 143

Method Blank (1) QC Batch: 33998

QC Batch: 33998 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: 34011

QC Batch: 34011 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: 34019

QC Batch: 34019 Date Analyzed: 2007-01-26 Analyzed By: RR
Prep Batch: 29451 QC Preparation: 2007-01-23 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: 34045

QC Batch: 34045 Date Analyzed: 2007-01-26 Analyzed By: TP
Prep Batch: 29451 QC Preparation: 2007-01-23 Prepared By: TS

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

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: 34078

QC Batch: 34078 Date Analyzed: 2007-01-25 Analyzed By: JG
Prep Batch: 29577 QC Preparation: 2007-01-25 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		4.13	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		3.54	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.210	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		0.580	µg/L	5
Hexachlorobutadiene		0.350	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		49.9	µg/L	1	50.0	100	82.4 - 115
Toluene-d8		47.0	µg/L	1	50.0	94	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.1	µg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 34296

QC Batch: 34296 Date Analyzed: 2007-02-05 Analyzed By: KV
Prep Batch: 29764 QC Preparation: 2007-02-05 Prepared By: KV

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

Duplicates (1)

QC Batch: 33814 Date Analyzed: 2007-01-17 Analyzed By: DR
Prep Batch: 29368 QC Preparation: 2007-01-17 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.34	7.36	s.u.	1	0	20

Duplicates (1)

QC Batch: 33815 Date Analyzed: 2007-01-17 Analyzed By: DR
Prep Batch: 29369 QC Preparation: 2007-01-17 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	29000	29000	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33931 Date Analyzed: 2007-01-22 Analyzed By: JG
Prep Batch: 29469 QC Preparation: 2007-01-22 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	3680	3610	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: 33810 Date Analyzed: 2007-01-19 Analyzed By: SP
Prep Batch: 29364 QC Preparation: 2007-01-19 Prepared By: SP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.5	mg/L	1	25.0	<1.19	102	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	27.3	mg/L	1	25.0	<1.19	109	73.2 - 123	7	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	17.2	16.2	mg/L	1	15.0	115	108	57 - 132.3

Laboratory Control Spike (LCS-1)

QC Batch: 33830 Date Analyzed: 2007-01-19 Analyzed By: MT
Prep Batch: 29384 QC Preparation: 2007-01-19 Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.06	mg/L	1	1.00	<0.0272	106	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	1.17	mg/L	1	1.00	<0.0272	117	71.4 - 123	10	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)	0.110	0.113	mg/L	1	0.100	110	113	73.8 - 122
4-Bromofluorobenzene (4-BFB)	0.109	0.112	mg/L	1	0.100	109	112	82.6 - 112

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: 33923 Date Analyzed: 2007-01-17 Analyzed By: JR
Prep Batch: 29463 QC Preparation: 2007-01-17 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.53	mg/L	1	2.50	<0.0217	101	90 - 110
Chloride	12.4	mg/L	1	12.5	<0.0257	99	90 - 110
Fluoride	2.53	mg/L	1	2.50	<0.0168	101	88.6 - 107
Nitrite-N	2.54	mg/L	1	2.50	<0.0168	102	90 - 110
Nitrate-N	2.55	mg/L	1	2.50	<0.0168	102	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	2.51	mg/L	1	2.50	<0.0217	100	90 - 110	1	20
Chloride	12.2	mg/L	1	12.5	<0.0257	98	90 - 110	2	20
Fluoride	2.48	mg/L	1	2.50	<0.0168	99	88.6 - 107	2	20
Nitrite-N	2.49	mg/L	1	2.50	<0.0168	100	90 - 110	2	20
Nitrate-N	2.51	mg/L	1	2.50	<0.0168	100	90 - 110	2	20
Sulfate	12.6	mg/L	1	12.5	<0.0598	101	90 - 110	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: 33943 Date Analyzed: 2007-01-22 Analyzed By: DS
Prep Batch: 29480 QC Preparation: 2007-01-22 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0122	mg/L	1	0.0800	<0.000590	15	10 - 51.1
2-Chlorophenol	0.0321	mg/L	1	0.0800	<0.00279	40	10 - 116
1,4-Dichlorobenzene (para)	0.0365	mg/L	1	0.0800	<0.000817	46	10.7 - 109
n-Nitrosodi-n-propylamine	0.0550	mg/L	1	0.0800	<0.00117	69	16.9 - 125
1,2,4-Trichlorobenzene	0.0416	mg/L	1	0.0800	<0.00108	52	13.9 - 134
4-Chloro-3-methylphenol	0.0399	mg/L	1	0.0800	<0.00102	50	13.3 - 141
Acenaphthene	0.0419	mg/L	1	0.0800	<0.000990	52	34 - 120
4-Nitrophenol [1]	<0.00914	mg/L	1	0.0800	<0.00914	0	12.8 - 106
2,4-Dinitrotoluene	0.0460	mg/L	1	0.0800	<0.000729	58	40.5 - 142
Pentachlorophenol	0.0303	mg/L	1	0.0800	<0.00539	38	10 - 152
Pyrene	0.0694	mg/L	1	0.0800	<0.00101	87	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	0.0100	mg/L	1	0.0800	<0.000590	12	10 - 51.1	20	20
2-Chlorophenol	0.0245	mg/L	1	0.0800	<0.00279	31	10 - 116	27	20
1,4-Dichlorobenzene (para)	0.0253	mg/L	1	0.0800	<0.000817	32	10.7 - 109	36	20
n-Nitrosodi-n-propylamine	0.0470	mg/L	1	0.0800	<0.00117	59	16.9 - 125	16	20
1,2,4-Trichlorobenzene	0.0323	mg/L	1	0.0800	<0.00108	40	13.9 - 134	25	20
4-Chloro-3-methylphenol	0.0315	mg/L	1	0.0800	<0.00102	39	13.3 - 141	24	20
Acenaphthene	0.0348	mg/L	1	0.0800	<0.000990	44	34 - 120	18	20
4-Nitrophenol [2]	<0.00914	mg/L	1	0.0800	<0.00914	0	12.8 - 106	0	20
2,4-Dinitrotoluene	0.0381	mg/L	1	0.0800	<0.000729	48	40.5 - 142	19	20
Pentachlorophenol	0.0263	mg/L	1	0.0800	<0.00539	33	10 - 152	14	20
Pyrene	0.0650	mg/L	1	0.0800	<0.00101	81	47.2 - 151	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0166	0.0104	mg/L	1	0.0800	21	13	10 - 77.8
Phenol-d5	0.0127	0.00960	mg/L	1	0.0800	16	12	10 - 47
Nitrobenzene-d5	0.0442	0.0345	mg/L	1	0.0800	55	43	10 - 170
2-Fluorobiphenyl	0.0453	0.0372	mg/L	1	0.0800	57	46	10 - 200
2,4,6-Tribromophenol	0.0361	0.0306	mg/L	1	0.0800	45	38	29 - 99.9
Terphenyl-d14	0.0820	0.0819	mg/L	1	0.0800	102	102	10 - 179

Laboratory Control Spike (LCS-1)

QC Batch: 33998 Date Analyzed: 2007-01-25 Analyzed By: TP
Prep Batch: 29362 QC Preparation: 2007-01-19 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
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: 34011 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	0.122	mg/L	1	0.125	<0.000199	98	86.2 - 116
Dissolved Cadmium	0.238	mg/L	1	0.250	<0.000577	95	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	0.499	mg/L	1	0.500	<0.00398	100	81.1 - 111
Dissolved Zinc	0.232	mg/L	1	0.250	<0.00300	93	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	1	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	1	20
Dissolved Zinc	0.233	mg/L	1	0.250	<0.00300	93	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: 34019 Date Analyzed: 2007-01-26 Analyzed By: RR
Prep Batch: 29451 QC Preparation: 2007-01-23 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.119	mg/L	1	0.125	<0.000274	95	87.9 - 111
Total Cadmium	0.229	mg/L	1	0.250	<0.000268	92	86.8 - 110
Total Chromium	0.0980	mg/L	1	0.100	<0.00357	98	86.5 - 115
Total Copper	0.119	mg/L	1	0.125	<0.00127	95	83.4 - 117
Total Phosphorous	0.448	mg/L	1	0.500	<0.0229	90	87.3 - 114
Total Lead	0.484	mg/L	1	0.500	<0.00310	97	83 - 109
Total Zinc	0.225	mg/L	1	0.250	<0.000666	90	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	0.118	mg/L	1	0.125	<0.000274	94	87.9 - 111	1	20
Total Cadmium	0.226	mg/L	1	0.250	<0.000268	90	86.8 - 110	1	20
Total Chromium	0.0980	mg/L	1	0.100	<0.00357	98	86.5 - 115	0	20
Total Copper	0.116	mg/L	1	0.125	<0.00127	93	83.4 - 117	3	20
Total Phosphorous	0.452	mg/L	1	0.500	<0.0229	90	87.3 - 114	1	20
Total Lead	0.481	mg/L	1	0.500	<0.00310	96	83 - 109	1	20
Total Zinc	0.223	mg/L	1	0.250	<0.000666	89	82.9 - 109	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: 34045 Date Analyzed: 2007-01-26 Analyzed By: TP
Prep Batch: 29451 QC Preparation: 2007-01-23 Prepared By: TS

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

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	51.3	mg/L	1	50.0	<0.0309	103	87.3 - 124	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: 34078 Date Analyzed: 2007-01-25 Analyzed By: JG
Prep Batch: 29577 QC Preparation: 2007-01-25 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	51.5	µg/L	1	50.0	<0.0736	103	83.4 - 114
Benzene	50.9	µg/L	1	50.0	<0.0495	102	83.5 - 115
Trichloroethene (TCE)	49.4	µg/L	1	50.0	<0.0495	99	91.3 - 111
Toluene	46.9	µg/L	1	50.0	<0.0736	94	82 - 110
Chlorobenzene	48.6	µg/L	1	50.0	<0.0217	97	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	53.5	µg/L	1	50.0	<0.0736	107	83.4 - 114	4	20
Benzene	52.4	µg/L	1	50.0	<0.0495	105	83.5 - 115	3	20
Trichloroethene (TCE)	50.7	µg/L	1	50.0	<0.0495	101	91.3 - 111	3	20
Toluene	48.5	µg/L	1	50.0	<0.0736	97	82 - 110	3	20
Chlorobenzene	49.6	µg/L	1	50.0	<0.0217	99	87.9 - 109	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.5	50.3	µg/L	1	50.0	101	101	82.4 - 115
Toluene-d8	47.0	47.3	µg/L	1	50.0	94	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.2	50.6	µg/L	1	50.0	100	101	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 34296 Date Analyzed: 2007-02-05 Analyzed By: KV
Prep Batch: 29764 QC Preparation: 2007-02-05 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	4.82	mg/L	1	5.00	<0.382	96	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Organic Carbon	5.14	mg/L	1	5.00	<0.382	103	70 - 130	6	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: 33810 Date Analyzed: 2007-01-19 Analyzed By: SP
Prep Batch: 29364 QC Preparation: 2007-01-19 Prepared By: SP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	23.7	mg/L	1	25.0	<1.19	95	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	22.5	mg/L	1	25.0	<1.19	90	77.8 - 112	5	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	16.2	14.9	mg/L	1	15	108	99	57 - 132.3

Matrix Spike (MS-1) Spiked Sample: 114196

QC Batch: 33830 Date Analyzed: 2007-01-19 Analyzed By: MT
Prep Batch: 29384 QC Preparation: 2007-01-19 Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	1.08	mg/L	1	1.00	<0.0272	108	53.7 - 136

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	1.08	mg/L	1	1.00	<0.0272	108	53.7 - 136	0	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.104	0.104	mg/L	1	0.1	104	104	58.8 - 134
4-Bromofluorobenzene (4-BFB)	0.106	0.105	mg/L	1	0.1	106	105	68.5 - 128

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: 114196

QC Batch: 33923 | Date Analyzed: 2007-01-17 | Analyzed By: JR
Prep Batch: 29463 | QC Preparation: 2007-01-17 | Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	126	mg/L	50	125	<1.08	101	90 - 110
Chloride	739	mg/L	50	625	160	93	90 - 110
Fluoride	128	mg/L	50	125	<0.840	102	89.9 - 104
Nitrite-N	125	mg/L	50	125	<0.840	100	90 - 110
Nitrate-N	133	mg/L	50	125	18	92	78.6 - 105
Sulfate [3]	2800	mg/L	50	625	2270	85	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	124	mg/L	50	125	<1.08	99	90 - 110	2	20
Chloride	740	mg/L	50	625	160	93	90 - 110	0	20
Fluoride	128	mg/L	50	125	<0.840	102	89.9 - 104	0	20
Nitrite-N	125	mg/L	50	125	<0.840	100	90 - 110	0	20
Nitrate-N	133	mg/L	50	125	18	92	78.6 - 105	0	20
Sulfate [4]	2800	mg/L	50	625	2270	85	90 - 110	0	20

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

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: 33943 | Date Analyzed: 2007-01-22 | Analyzed By: DS
Prep Batch: 29480 | QC Preparation: 2007-01-22 | Prepared By: DS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0159	mg/L	1	0.0800	<0.000590	20	10 - 60.9
2-Chlorophenol		0.0309	mg/L	1	0.0800	<0.00279	39	10 - 125
1,4-Dichlorobenzene (para)		0.0332	mg/L	1	0.0800	<0.000817	42	10 - 180
n-Nitrosodi-n-propylamine		0.0483	mg/L	1	0.0800	<0.00117	60	16 - 95
1,2,4-Trichlorobenzene		0.0360	mg/L	1	0.0800	<0.00108	45	10 - 187
4-Chloro-3-methylphenol		0.0336	mg/L	1	0.0800	<0.00102	42	10 - 170
Acenaphthene		0.0334	mg/L	1	0.0800	<0.000990	42	10 - 173
4-Nitrophenol	[5]	<0.00914	mg/L	1	0.0800	<0.00914	0	10 - 155
2,4-Dinitrotoluene		0.0321	mg/L	1	0.0800	<0.000729	40	10 - 240
Pentachlorophenol		0.0203	mg/L	1	0.0800	<0.00539	25	10 - 153
Pyrene		0.0545	mg/L	1	0.0800	<0.00101	68	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		0.0220	mg/L	1	0.0800	<0.000590	28	10 - 60.9	32	20
2-Chlorophenol		0.0443	mg/L	1	0.0800	<0.00279	55	10 - 125	36	20
1,4-Dichlorobenzene (para)		0.0457	mg/L	1	0.0800	<0.000817	57	10 - 180	32	20
n-Nitrosodi-n-propylamine		0.0718	mg/L	1	0.0800	<0.00117	90	16 - 95	39	20
1,2,4-Trichlorobenzene		0.0513	mg/L	1	0.0800	<0.00108	64	10 - 187	35	20
4-Chloro-3-methylphenol		0.0493	mg/L	1	0.0800	<0.00102	62	10 - 170	38	20
Acenaphthene		0.0489	mg/L	1	0.0800	<0.000990	61	10 - 173	38	20
4-Nitrophenol	[6]	<0.00914	mg/L	1	0.0800	<0.00914	0	10 - 155	0	20
2,4-Dinitrotoluene		0.0496	mg/L	1	0.0800	<0.000729	62	10 - 240	43	20
Pentachlorophenol		0.0332	mg/L	1	0.0800	<0.00539	42	10 - 153	48	20
Pyrene		0.0688	mg/L	1	0.0800	<0.00101	86	10 - 182	23	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	0.0177	0.0235	mg/L	1	0.08	22	29	10 - 71.4
Phenol-d5	0.0167	0.0227	mg/L	1	0.08	21	28	10 - 53.1
Nitrobenzene-d5	0.0384	0.0555	mg/L	1	0.08	48	69	10 - 200
2-Fluorobiphenyl	0.0377	0.0564	mg/L	1	0.08	47	70	11 - 145
2,4,6-Tribromophenol	0.0271	0.0434	mg/L	1	0.08	34	54	10 - 174
Terphenyl-d14	0.0659	0.0824	mg/L	1	0.08	82	103	10 - 164

Matrix Spike (MS-1) Spiked Sample: 114014

QC Batch: 33998 | Date Analyzed: 2007-01-25 | Analyzed By: TP
Prep Batch: 29362 | QC Preparation: 2007-01-19 | Prepared By: TS

[5]4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte. •
[6]4-Nitrophenol out of control limits for MS/MSD due to erratic performance of analyte. •

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	[7]	2850	mg/L	100	5000	2842	0	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	[8]	2900	mg/L	100	5000	2842	1	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: 114014

QC Batch: 34011
Prep Batch: 29362
Date Analyzed: 2007-01-26
QC Preparation: 2007-01-19
Analyzed By: RR
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	0.232	mg/L	1	0.250	<0.000577	93	75 - 112
Dissolved Chromium	0.0860	mg/L	1	0.100	<0.00357	86	75 - 121
Dissolved Copper	0.119	mg/L	1	0.125	<0.00127	95	81.5 - 125
Dissolved Lead	0.471	mg/L	1	0.500	<0.00398	94	75 - 111
Dissolved Zinc	0.228	mg/L	1	0.250	<0.00300	91	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	0.117	mg/L	1	0.125	<0.000199	94	90.1 - 120	1	20
Dissolved Cadmium	0.235	mg/L	1	0.250	<0.000577	94	75 - 112	1	20
Dissolved Chromium	0.0960	mg/L	1	0.100	<0.00357	96	75 - 121	11	20
Dissolved Copper	0.118	mg/L	1	0.125	<0.00127	94	81.5 - 125	1	20
Dissolved Lead	0.460	mg/L	1	0.500	<0.00398	92	75 - 111	2	20
Dissolved Zinc	0.231	mg/L	1	0.250	<0.00300	92	80.4 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 114202

QC Batch: 34019
Prep Batch: 29451
Date Analyzed: 2007-01-26
QC Preparation: 2007-01-23
Analyzed By: RR
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	0.215	mg/L	1	0.250	<0.000268	86	66.5 - 121
Total Chromium	0.105	mg/L	1	0.100	<0.00357	105	69.2 - 129
Total Copper	0.117	mg/L	1	0.125	0.012	84	83.8 - 118
Total Phosphorous	0.465	mg/L	1	0.500	<0.0229	93	70.1 - 115
Total Lead	0.424	mg/L	1	0.500	<0.00310	85	71.9 - 115

continued . . .

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

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.252	mg/L	1	0.250	<0.000666	101	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	4	20
Total Chromium	0.0960	mg/L	1	0.100	<0.00357	96	69.2 - 129	9	20
Total Copper	0.119	mg/L	1	0.125	0.012	86	83.8 - 118	2	20
Total Phosphorous	0.498	mg/L	1	0.500	<0.0229	100	70.1 - 115	7	20
Total Lead	0.410	mg/L	1	0.500	<0.00310	82	71.9 - 115	3	20
Total Zinc	0.241	mg/L	1	0.250	<0.000666	96	75.5 - 113	4	20

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

Matrix Spike (MS-1) Spiked Sample: 114202

QC Batch: 34045 | Date Analyzed: 2007-01-26 | Analyzed By: TP
Prep Batch: 29451 | QC Preparation: 2007-01-23 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium [9]	6920	mg/L	1	50.0	6770	300	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 [10]	6960	mg/L	1	50.0	6770	380	75 - 125	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: 34078 | Date Analyzed: 2007-01-25 | Analyzed By: JG
Prep Batch: 29577 | QC Preparation: 2007-01-25 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.5	µg/L	1	50.0	<0.0736	101	78.7 - 119
Benzene	50.5	µg/L	1	50.0	<0.0495	101	75.8 - 125
Trichloroethene (TCE)	57.6	µg/L	1	50.0	9.48	96	83.6 - 112
Toluene	46.1	µg/L	1	50.0	<0.0736	92	81.6 - 115
Chlorobenzene	47.7	µg/L	1	50.0	<0.0217	95	83.9 - 113

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

[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.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	52.8	µg/L	1	50.0	<0.0736	106	78.7 - 119	4	20
Benzene	52.0	µg/L	1	50.0	<0.0495	104	75.8 - 125	3	20
Trichloroethene (TCE)	59.4	µg/L	1	50.0	9.48	100	83.6 - 112	3	20
Toluene	47.4	µg/L	1	50.0	<0.0736	95	81.6 - 115	3	20
Chlorobenzene	48.8	µg/L	1	50.0	<0.0217	98	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	50.2	50.6	µg/L	1	50	100	101	86.6 - 114
Toluene-d8	47.0	47.2	µg/L	1	50	94	94	91 - 109
4-Bromofluorobenzene (4-BFB)	48.8	50.0	µg/L	1	50	98	100	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 114200

QC Batch: 34296 Date Analyzed: 2007-02-05 Analyzed By: KV
Prep Batch: 29764 QC Preparation: 2007-02-05 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Organic Carbon	5.42	mg/L	1	5.00	<0.382	108	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	5.48	mg/L	1	5.00	<0.382	110	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: 33810 Date Analyzed: 2007-01-19 Analyzed By: SP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	270	108	85 - 115	2007-01-19

Standard (CCV-1)

QC Batch: 33810 Date Analyzed: 2007-01-19 Analyzed By: SP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	266	106	85 - 115	2007-01-19

Standard (ICV-1)

QC Batch: 33814 Date Analyzed: 2007-01-17 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	2007-01-17

Standard (CCV-1)

QC Batch: 33814 Date Analyzed: 2007-01-17 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	7.01	100	98.8 - 101	2007-01-17

Standard (ICV-1)

QC Batch: 33815 Date Analyzed: 2007-01-17 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	2007-01-17

Standard (CCV-1)

QC Batch: 33815 Date Analyzed: 2007-01-17 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	2007-01-17

Standard (ICV-1)

QC Batch: 33830 Date Analyzed: 2007-01-19 Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.15	115	85 - 115	2007-01-19

Standard (CCV-1)

QC Batch: 33830 Date Analyzed: 2007-01-19 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.14	114	85 - 115	2007-01-19

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: 33923 Date Analyzed: 2007-01-17 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	2.47	99	93.2 - 98.5	2007-01-17
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-01-17
Fluoride		mg/L	2.50	2.47	99	90 - 110	2007-01-17
Nitrite-N		mg/L	2.50	2.45	98	90 - 110	2007-01-17
Nitrate-N		mg/L	2.50	2.40	96	90 - 110	2007-01-17
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-01-17

Standard (CCV-1)

QC Batch: 33923 Date Analyzed: 2007-01-17 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.48	99	93.2 - 98.5	2007-01-17
Chloride		mg/L	12.5	12.1	97	90 - 110	2007-01-17
Fluoride		mg/L	2.50	2.47	99	90 - 110	2007-01-17
Nitrite-N		mg/L	2.50	2.46	98	90 - 110	2007-01-17
Nitrate-N		mg/L	2.50	2.48	99	90 - 110	2007-01-17
Sulfate		mg/L	12.5	12.0	96	90 - 110	2007-01-17

Standard (ICV-1)

QC Batch: 33931 Date Analyzed: 2007-01-22 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	968	97	94.4 - 106	2007-01-22

Standard (CCV-1)

QC Batch: 33931 Date Analyzed: 2007-01-22 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	988	99	94.4 - 106	2007-01-22

Standard (CCV-1)

QC Batch: 33943 Date Analyzed: 2007-01-22 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	70.1	117	80 - 120	2007-01-22
1,4-Dichlorobenzene (para)		mg/L	60.0	63.0	105	80 - 120	2007-01-22
2-Nitrophenol		mg/L	60.0	49.2	82	80 - 120	2007-01-22
2,4-Dichlorophenol		mg/L	60.0	60.8	101	80 - 120	2007-01-22
Hexachlorobutadiene		mg/L	60.0	61.4	102	80 - 120	2007-01-22
4-Chloro-3-methylphenol		mg/L	60.0	63.1	105	80 - 120	2007-01-22
2,4,6-Trichlorophenol		mg/L	60.0	52.9	88	80 - 120	2007-01-22
Acenaphthene		mg/L	60.0	58.5	98	80 - 120	2007-01-22
Diphenylamine		mg/L	60.0	59.2	99	80 - 120	2007-01-22
Pentachlorophenol		mg/L	60.0	54.3	90	80 - 120	2007-01-22
Fluoranthene		mg/L	60.0	63.2	105	80 - 120	2007-01-22
Di-n-octylphthalate		mg/L	60.0	48.6	81	80 - 120	2007-01-22
Benzo(a)pyrene		mg/L	60.0	63.0	105	80 - 120	2007-01-22

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		59.6	mg/L	1	60.0	99	80 - 120
Phenol-d5		69.5	mg/L	1	60.0	116	80 - 120
Nitrobenzene-d5		65.0	mg/L	1	60.0	108	80 - 120
2-Fluorobiphenyl		61.1	mg/L	1	60.0	102	80 - 120
2,4,6-Tribromophenol	[11]	44.4	mg/L	1	60.0	74	80 - 120
Terphenyl-d14		64.5	mg/L	1	60.0	108	80 - 120

Standard (ICV-1)

QC Batch: 33998 Date Analyzed: 2007-01-25 Analyzed By: TP

[11]2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 99.3% 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
Dissolved Sodium		mg/L	50.0	50.4	101	90 - 110	2007-01-25

Standard (CCV-1)

QC Batch: 33998 Date Analyzed: 2007-01-25 Analyzed By: TP

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

Standard (ICV-1)

QC Batch: 34011 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	0.122	98	90 - 110	2007-01-26
Dissolved Cadmium		mg/L	1.00	0.963	96	95 - 105	2007-01-26
Dissolved Chromium		mg/L	1.00	0.921	92	90 - 110	2007-01-26
Dissolved Copper		mg/L	1.00	0.940	94	90 - 110	2007-01-26
Dissolved Lead		mg/L	1.00	0.972	97	90 - 110	2007-01-26
Dissolved Zinc		mg/L	1.00	0.963	96	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34011 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	0.134	107	90 - 110	2007-01-26
Dissolved Cadmium		mg/L	1.00	1.04	104	90 - 110	2007-01-26
Dissolved Chromium		mg/L	1.00	1.04	104	90 - 110	2007-01-26
Dissolved Copper		mg/L	1.00	1.04	104	90 - 110	2007-01-26
Dissolved Lead		mg/L	1.00	1.04	104	90 - 110	2007-01-26
Dissolved Zinc		mg/L	1.00	1.08	108	90 - 110	2007-01-26

Standard (ICV-1)

QC Batch: 34019 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
Total Silver		mg/L	0.125	0.124	99	90 - 110	2007-01-26
Total Cadmium		mg/L	1.00	0.946	95	90 - 110	2007-01-26

continued . . .

standard continued . . .

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.949	95	90 - 110	2007-01-26
Total Copper		mg/L	1.00	0.964	96	90 - 110	2007-01-26
Total Phosphorous		mg/L	5.00	4.75	95	90 - 110	2007-01-26
Total Lead		mg/L	1.00	0.977	98	90 - 110	2007-01-26
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34019 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
Total Silver		mg/L	0.125	0.115	92	90 - 110	2007-01-26
Total Cadmium		mg/L	1.00	0.911	91	90 - 110	2007-01-26
Total Chromium		mg/L	1.00	0.915	92	90 - 110	2007-01-26
Total Copper		mg/L	1.00	0.915	92	90 - 110	2007-01-26
Total Phosphorous		mg/L	5.00	4.52	90	90 - 110	2007-01-26
Total Lead		mg/L	1.00	0.908	91	90 - 110	2007-01-26
Total Zinc		mg/L	1.00	0.938	94	90 - 110	2007-01-26

Standard (ICV-1)

QC Batch: 34045 Date Analyzed: 2007-01-26 Analyzed By: TP

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

Standard (CCV-1)

QC Batch: 34045 Date Analyzed: 2007-01-26 Analyzed By: TP

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

Standard (ICV-1)

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

continued . . .

standard continued . . .

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
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 (CCV-1)

QC Batch: 34078 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
Vinyl Chloride		µg/L	50.0	51.8	104	80 - 120	2007-01-25
1,1-Dichloroethene		µg/L	50.0	52.9	106	80 - 120	2007-01-25
Chloroform		µg/L	50.0	50.9	102	80 - 120	2007-01-25
1,2-Dichloropropane		µg/L	50.0	50.6	101	80 - 120	2007-01-25
Toluene		µg/L	50.0	47.5	95	80 - 120	2007-01-25
Chlorobenzene		µg/L	50.0	49.3	99	80 - 120	2007-01-25
Ethylbenzene		µg/L	50.0	50.1	100	80 - 120	2007-01-25

Standard (CCV-2)

QC Batch: 34078 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
Vinyl Chloride		µg/L	50.0	56.2	112	80 - 120	2007-01-25
1,1-Dichloroethene		µg/L	50.0	52.7	105	80 - 120	2007-01-25
Chloroform		µg/L	50.0	52.4	105	80 - 120	2007-01-25
1,2-Dichloropropane		µg/L	50.0	51.6	103	80 - 120	2007-01-25
Toluene		µg/L	50.0	48.1	96	80 - 120	2007-01-25
Chlorobenzene		µg/L	50.0	49.5	99	80 - 120	2007-01-25
Ethylbenzene		µg/L	50.0	50.6	101	80 - 120	2007-01-25

Standard (ICV-1)

QC Batch: 34296 Date Analyzed: 2007-02-05 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	5.10	102	80 - 120	2007-02-05

Standard (CCV-1)

QC Batch: 34296 Date Analyzed: 2007-02-05 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	5.72	114	80 - 120	2007-02-05