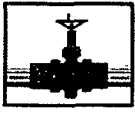


AP - 54

STAGE 1 & 2 REPORTS

DATE:

5-15-08



**PLAINS
PIPELINE**

May 15, 2008

Mr. Edward Hansen
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Pipeline, L.P. Hobbs Junction Mainline Release Site
NMOCD Reference # AP-054
Unit Letter M of Section 26, Township 18 South, Range 37 East
Lea County, New Mexico

Dear Mr. Hansen,

Pursuant to the NMOCD request Plains Pipeline, L. P. is pleased to submit the attached letter summarizing the groundwater sampling results for the Eunice Water Well located southeast of the Hobbs Junction Mainline release site. Hobbs Junction Mainline is located in Section 26 of Township 18 South, and Range 37 East of Lea County, New Mexico.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Bryant
Remediation Coordinator
Plains Pipeline

Enclosure

RECEIVED
2008 MAY 19 PM 4 19



May 13, 2008

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

AUSTIN
3003 Tom Gary Cove
Building C-100
Round Rock, Texas 78664
Phone 512.989.3428
Fax 512.989.3487

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
17170 Jordan Road
Suite 102
Selma, Texas 78154
Phone 210.579.0235
Fax 210.568.2191

TULSA
9906 East 43rd Street
Suite G
Tulsa, Oklahoma 74146
Phone 918.742.0871
Fax 918.742.0876

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

TYLER
719 West Front Street
Suite 255
Tyler, Texas 75702
Phone 903.531.9971
Fax 903.531.9979

HOUSTON
3233 West 11th Street
Suite 400
Houston, Texas 77008
Phone 713.861.0081
Fax 713.868.3208

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Mr. Edward Hansen
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Pipeline, L.P. Hobbs Junction Mainline (Plains SRS#2003-00017)
NMOCD Reference # AP-054
UL-M (SW¼ of the SW¼) of Section 26, T18S, R37E
Latitude: 32° 42' 40.85"N and Longitude: 103° 13' 42.01"W
Landowner: State of New Mexico and Ms. Faye Klein
Lea County, New Mexico

Dear Mr. Hansen:

Talon/LPE on behalf of Plains Pipeline, L.P. (Plains) submits this letter summarizing the sampling of the Eunice Water Well # 6. Samples were obtained from the Eunice Well per the request of Mr. Wayne Price, New Mexico Oil Conservation Division (NMOCD) according to the email dated February 29, 2008.

On March 18, 2008, Mr. Ben Arguijo with the New Mexico Environmental Division provided a list to Mrs. Camille Bryant (Plains) of contaminants regulated under the New Mexico Drinking Water Regulations. On March 21, 2008, Mr. Ed Hansen (NMOCD) approved the proposed sampling protocol requested by Plains for the parameters of Total Metals, Volatile Organic Compounds (VOC), Inorganic Contaminants (IOC), Secondaries (SEC), and benzo (a) pyrene.

On March 31, 2008, Talon personnel met with City of Eunice personnel to gain access to Water Well #6. A water sample was collected directly from the well and submitted to Trace Analysis for analysis.

The analytical results indicate concentrations were below the regulatory guideline thresholds for all constituents sampled. Analytical results for the Eunice Water Well #6 sampling event are summarized in Table 1. A map showing the location of the Eunice water wells in reference to the Hobbs Junction Mainline site is included as Figure 1.

If you have any questions or require further information, please contact me at (432) 522-2133 of Ms. Camille Bryant at (505) 441-0965.

Sincerely,

Shanna L. Smith
Project Manager

Enclosures



SUMMARY OF EUNICE WATER WELL#6
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

PARAM	Sample Date	Result	NMWQCC MCL	EPA MCL
Total Silver	03/31/08	<0.00500 mg/L	0.05 mg/L	
Total Aluminum	03/31/08	<0.0500 mg/L	5.0 mg/L	
Total Arsenic	03/31/08	0.013 mg/L	0.1 mg/L	
Total Barium	03/31/08	0.055 mg/L	1.0 mg/L	
Total Beryllium	03/31/08	<0.00200 mg/L		0.004 mg/L
Total Cadmium	03/31/08	<0.00100 mg/L	0.01 mg/L	
Chloride	03/31/08	41.5 mg/L	250 mg/L	
Corrosivity	03/31/08	non-corrosive mm/yr		
pH	03/31/08	7.48 s.u.	6-9	
Total Chromium	03/31/08	<0.00100mg/L	0.05 mg/L	
Total Copper	03/31/08	<0.00500 mg/L	1.0 mg/L	
Total Iron	03/31/08	0.034 mg/L	1.0 mg/L	
Fluoride	03/31/08	1.26 mg/L	1.6 mg/L	
Free Cyanide	03/31/08	<0.0100 mg/L	0.2 mg/L	
Total Mercury	03/31/08	<0.000200 mg/L	0.002 mg/L	
Total Manganese	03/31/08	<0.00250 mg/L	0.2 mg/L	
Nitrite-N	03/31/08	<1.00 mg/L		1.0 mg/L
Nitrate-N	03/31/08	3.5 mg/L	10.0 mg/L	
Benzo(a)pyrene	03/31/08	<0.0002000 mg/L	0.0007 mg/L	
Total Lead	03/31/08	<0.00500 mg/L	0.05 mg/L	
Total Antimony	03/31/08	<0.0200 mg/L		0.006 mg/L
Total Selenium	03/31/08	<0.0100 mg/L	0.05 mg/L	
Sulfate	03/31/08	66.7 mg/L	600 mg/L	
Surfactants	03/31/08	<0.100 MBAS mg/L		
Total Dissolved Solids	03/31/08	364 mg/L	1000 mg/L	
Total Thallium	03/31/08	<0.0200 mg/L		0.002 mg/L
Vinyl Chloride	03/31/08	<0.001 mg/L	0.001 mg/L	
1,1-Dichloroethylene	03/31/08	<0.001 mg/L	0.005 mg/L	
Mythylene chloride	03/31/08	<0.005 mg/L	0.1 mg/L	
trans-1,2-Dichloroethylene	03/31/08	<0.001 mg/L		0.1 mg/L
cis-1,2-Dichloroethylene	03/31/08	<0.001 mg/L		0.07 mg/L



SUMMARY OF EUNICE WATER WELL#6
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

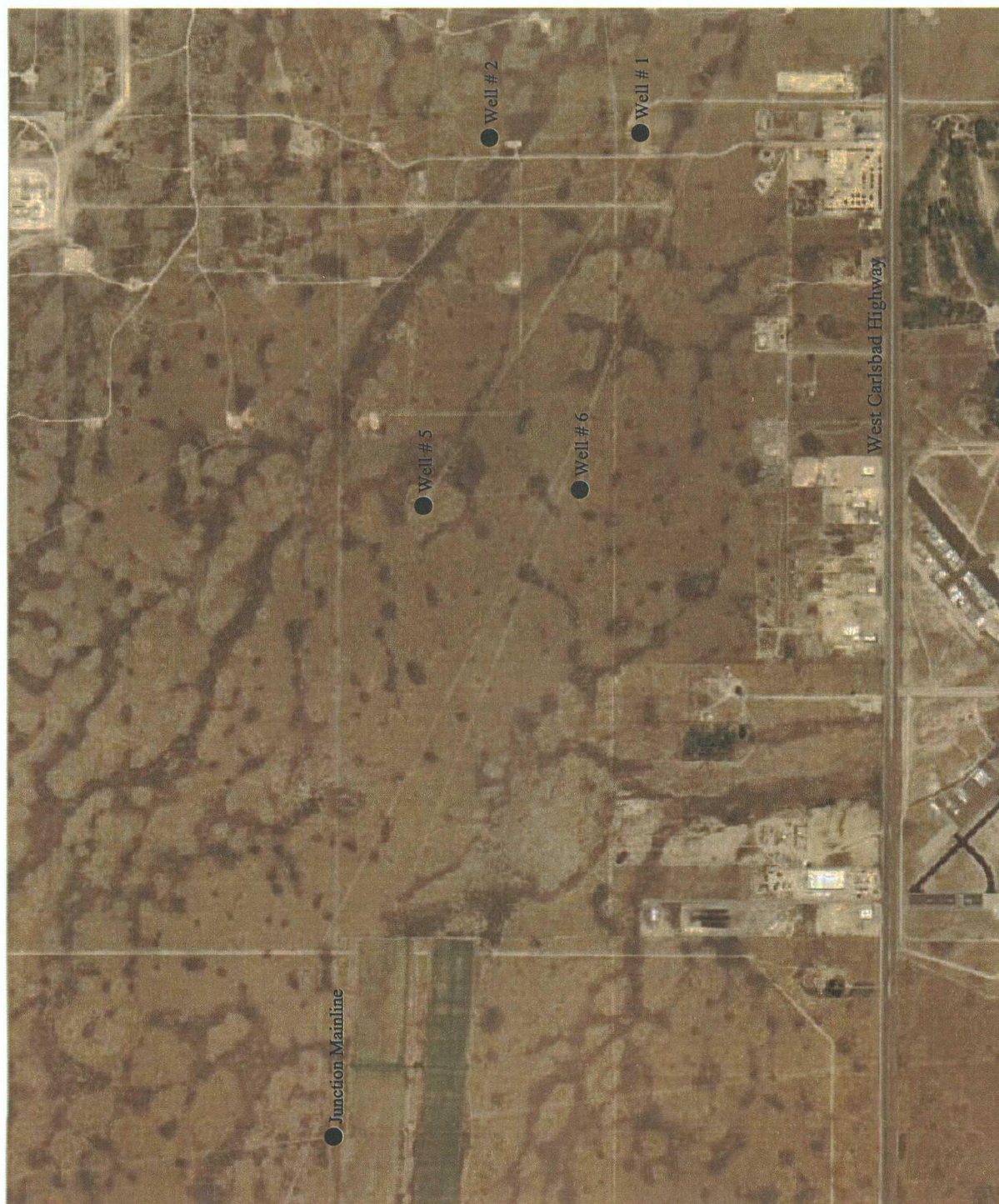
PARAM	Sample Date	Result	NMWQCC MCL	EPA MCL
1,2-Dichloroethane (EDC)	03/31/08	<0.001 mg/L	0.01 mg/L	
Benzene	03/31/08	<0.001 mg/L	0.01 mg/L	
Carbon Tetrachloride	03/31/08	<0.001 mg/L	0.01 mg/L	
1,2-Dichloropropane	03/31/08	<0.001 mg/L		0.005 mg/L
Trichloroethylene (TCE)	03/31/08	<0.001 mg/L		0.005 mg/L
Toluene	03/31/08	<0.001 mg/L	0.75 mg/L	
1,1,2-Trichloroethane	03/31/08	<0.001 mg/L	0.01 mg/L	
Tetrachloroethylene (PCE)	03/31/08	<0.001 mg/L		0.005 mg/L
Chlorobenzene	03/31/08	<0.001 mg/L		0.1 mg/L
Ethylbenzene	03/31/08	<0.001 mg/L	0.75 mg/L	
m,p-Xylene	03/31/08	<0.001 mg/L		
Styrene	03/31/08	<0.001 mg/L		0.1 mg/L
o-Xylene	03/31/08	<0.001 mg/L		
1,4-Dichlorobenzene (para)	03/31/08	<0.001 mg/L		0.075 mg/L
1,2-Dichlorobenzene (ortho)	03/31/08	<0.001 mg/L		0.6 mg/L
1,2,4-Trichlorobenzene	03/31/08	<0.001 mg/L		0.07 mg/L
Total Zinc	03/31/08	<0.00700 mg/L	10 mg/L	
Odor ²	03/31/08	no detectable odor		
Color	03/31/08	3 HU		

¹ **Bolded** values are in excess of the New Mexico Water Quality Control Commission Ground Water Standards

² No Detectable Odor corresponding to odor thresholds of 1,4,17, & 70



0 750 1500
Scale in Feet



Date: 05/01/2008

Scale: 1" = 1500'

Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017, NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Eunice City Wells

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
200 East Sunset Road, Suite E
5002 Basin Street, Suite A1
8808 Camp Bowie Blvd. West, Suite 180

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El Paso, Texas 79922 888•588•3443
Midland, Texas 79703
Ft. Worth, Texas 76116

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944
432•689•6301 FAX 432•689•6313
817•201•5260 FAX 817•560•4336

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Shanna Smith
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: May 6, 2008

Work Order: 8033118



Project Location: Hobbs, NM
Project Name: Hobbs Junction Mainline
Project Number: Plains047SPL
SRS#: SRS#2003-00017

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
155151	#6	water	2008-03-31	14:45	2008-03-31

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 50 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.

Case Narrative

Samples for project Hobbs Junction Mainline were received by TraceAnalysis, Inc. on 2008-03-31 and assigned to work order 8033118. Samples for work order 8033118 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
Al, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Be, Total	S 6010B
Cd, Total	S 6010B
Chloride (IC)	E 300.0
Corrosivity	S 1110
Cr, Total	S 6010B
Cu, Total	S 6010B
Fe, Total	S 6010B
Fluoride (IC)	E 300.0
Free Cyanide	E 9213
Hg, Total	S 7470A
Mn, Total	S 6010B
NO2 (IC)	E 300.0
NO3 (IC)	E 300.0
PAH	S 8270C
Pb, Total	S 6010B
Sb, Total	S 6010B
Se, Total	S 6010B
SO4 (IC)	E 300.0
Surfactants	SM 5540C
TDS	SM 2540C
Tl, Total	S 6010B
Volatiles	S 8260B
Zn, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8033118 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 155151 - #6

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500

Sample: 155151 - #6

Analysis:	Al, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Aluminum		<0.0500	mg/L	1	0.0500

Sample: 155151 - #6

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Arsenic		0.0130	mg/L	1	0.00500

Sample: 155151 - #6

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Barium		0.0550	mg/L	1	0.00100

Sample: 155151 - #6

Analysis:	Be, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Beryllium		<0.00200	mg/L	1	0.00200

Sample: 155151 - #6

Analysis: Cd, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 Sample Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 155151 - #6

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47026 Date Analyzed: 2008-04-01 Analyzed By: ER
Prep Batch: 40447 Sample Preparation: 2008-04-01 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		41.5	mg/L	5	0.500

Sample: 155151 - #6

Analysis: Corrosivity Analytical Method: S 1110 Prep Method: N/A
QC Batch: 47580 Date Analyzed: 2008-04-18 Analyzed By: ER
Prep Batch: 40915 Sample Preparation: 2008-04-18 Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Corrosivity		non-corrosive	mm/yr	1	0.00
pH		7.48	s.u.	1	0.00

Sample: 155151 - #6

Analysis: Cr, Total Analytical Method: S 6010B Prep Method: S 3010A
QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 Sample Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		<0.00100	mg/L	1	0.00100

Sample: 155151 - #6

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 155151 - #6

Analysis:	Fe, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Iron		0.0340	mg/L	1	0.0100

Sample: 155151 - #6

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	47026	Date Analyzed:	2008-04-01	Analyzed By:	ER
Prep Batch:	40447	Sample Preparation:	2008-04-01	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.26	mg/L	5	0.200

Sample: 155151 - #6

Analysis:	Free Cyanide	Analytical Method:	E 9213	Prep Method:	N/A
QC Batch:	47550	Date Analyzed:	2008-04-08	Analyzed By:	BP
Prep Batch:	40886	Sample Preparation:	2008-04-07	Prepared By:	BP

Parameter	Flag	RL Result	Units	Dilution	RL
Free Cyanide		<0.0100	mg/L	1	0.0100

Sample: 155151 - #6

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	47227	Date Analyzed:	2008-04-08	Analyzed By:	TP
Prep Batch:	40584	Sample Preparation:	2008-04-08	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 155151 - #6

Analysis: Mn, Total	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 47095	Date Analyzed: 2008-04-04	Analyzed By: RR
Prep Batch: 40490	Sample Preparation: 2008-04-03	Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Manganese		<0.00250	mg/L	1	0.00250

Sample: 155151 - #6

Analysis: NO2 (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 47026	Date Analyzed: 2008-04-01	Analyzed By: ER
Prep Batch: 40447	Sample Preparation: 2008-04-01	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<1.00	mg/L	5	0.200

Sample: 155151 - #6

Analysis: NO3 (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 47026	Date Analyzed: 2008-04-01	Analyzed By: ER
Prep Batch: 40447	Sample Preparation: 2008-04-01	Prepared By: ER

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		3.50	mg/L	5	0.200

Sample: 155151 - #6

Analysis: PAH	Analytical Method: S 8270C	Prep Method: S 3510C
QC Batch: 47240	Date Analyzed: 2008-04-08	Analyzed By: DS
Prep Batch: 40627	Sample Preparation: 2008-04-04	Prepared By: DS

Comment: Only report Benzo-a- pyrene

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0626	mg/L	1	0.0800	78	37.4 - 123
2-Fluorobiphenyl		0.0624	mg/L	1	0.0800	78	34.3 - 130
Terphenyl-d14		0.0692	mg/L	1	0.0800	86	10 - 252

Sample: 155151 - #6

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 155151 - #6

Analysis:	Sb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Antimony		<0.0200	mg/L	1	0.0200

Sample: 155151 - #6

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	47095	Date Analyzed:	2008-04-04	Analyzed By:	RR
Prep Batch:	40490	Sample Preparation:	2008-04-03	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 155151 - #6

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	47026	Date Analyzed:	2008-04-01	Analyzed By:	ER
Prep Batch:	40447	Sample Preparation:	2008-04-01	Prepared By:	ER

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		66.7	mg/L	5	1.00

Sample: 155151 - #6

Analysis:	Surfactants	Analytical Method:	SM 5540C	Prep Method:	N/A
QC Batch:	47167	Date Analyzed:	2008-04-02	Analyzed By:	ER
Prep Batch:	40563	Sample Preparation:	2008-04-02	Prepared By:	ER

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

Sample: 155151 - #6

Analysis: TDS	Analytical Method: SM 2540C	Prep Method: N/A
QC Batch: 47119	Date Analyzed: 2008-04-04	Analyzed By: AR
Prep Batch: 40522	Sample Preparation: 2008-04-02	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		364.0	mg/L	1	10.00

Sample: 155151 - #6

Analysis: Tl, Total	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 47095	Date Analyzed: 2008-04-04	Analyzed By: RR
Prep Batch: 40490	Sample Preparation: 2008-04-03	Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Thallium		<0.0200	mg/L	1	0.0200

Sample: 155151 - #6

Analysis: Volatiles	Analytical Method: S 8260B	Prep Method: S 5030B
QC Batch: 47140	Date Analyzed: 2008-04-04	Analyzed By: KB
Prep Batch: 40543	Sample Preparation: 2008-04-04	Prepared By: KB

Comment: See attached list for specifics.

Parameter	Flag	RL Result	Units	Dilution	RL
Vinyl Chloride		<1.00	µg/L	1	1.00
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<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
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<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
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00

continued ...

sample 155151 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
I,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.8	µg/L	1	50.0	98	89.8 - 111
Toluene-d8		49.4	µg/L	1	50.0	99	93.2 - 108
4-Bromofluorobenzene (4-BFB)		47.1	µg/L	1	50.0	94	88.4 - 103

Sample: 155151 - #6

Analysis: Zn, Total	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 47095	Date Analyzed: 2008-04-04	Analyzed By: RR
Prep Batch: 40490	Sample Preparation: 2008-04-03	Prepared By: KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		<0.00700	mg/L	1	0.00700

Method Blank (1) QC Batch: 47026

QC Batch: 47026	Date Analyzed: 2008-04-01	Analyzed By: ER
Prep Batch: 40447	QC Preparation: 2008-04-01	Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.172	mg/L	0.5

Method Blank (1) QC Batch: 47026

QC Batch: 47026	Date Analyzed: 2008-04-01	Analyzed By: ER
Prep Batch: 40447	QC Preparation: 2008-04-01	Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0889	mg/L	0.2

Method Blank (1) QC Batch: 47026

QC Batch: 47026	Date Analyzed: 2008-04-01	Analyzed By: ER
Prep Batch: 40447	QC Preparation: 2008-04-01	Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0709	mg/L	0.2

Method Blank (1) QC Batch: 47026

QC Batch: 47026 Date Analyzed: 2008-04-01 Analyzed By: ER
Prep Batch: 40447 QC Preparation: 2008-04-01 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0805	mg/L	0.2

Method Blank (1) QC Batch: 47026

QC Batch: 47026 Date Analyzed: 2008-04-01 Analyzed By: ER
Prep Batch: 40447 QC Preparation: 2008-04-01 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.344	mg/L	1

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Aluminum		<0.0228	mg/L	0.05

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00430	mg/L	0.005

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.00170	mg/L	0.001

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Beryllium		<0.00220	mg/L	0.002

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.00140	mg/L	0.001

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.000900	mg/L	0.001

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Iron		<0.00690	mg/L	0.01

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Manganese		<0.000600	mg/L	0.0025

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00320	mg/L	0.005

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Antimony		<0.0166	mg/L	0.02

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.0131	mg/L	0.01

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Thallium		<0.0189	mg/L	0.02

Method Blank (1) QC Batch: 47095

QC Batch: 47095 Date Analyzed: 2008-04-04 Analyzed By: RR
Prep Batch: 40490 QC Preparation: 2008-04-03 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.007

Method Blank (1) QC Batch: 47119

QC Batch: 47119 Date Analyzed: 2008-04-04 Analyzed By: AR
Prep Batch: 40522 QC Preparation: 2008-04-02 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		12.00	mg/L	10

Method Blank (1) QC Batch: 47140

QC Batch: 47140 Date Analyzed: 2008-04-04 Analyzed By: KB
Prep Batch: 40543 QC Preparation: 2008-04-04 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.197	µg/L	1
Dichlorodifluoromethane		<0.672	µg/L	1
Chloromethane (methyl chloride)		<0.542	µg/L	1
Vinyl Chloride		<0.516	µg/L	1
Bromomethane (methyl bromide)		<0.446	µg/L	5
Chloroethane		<0.636	µg/L	1

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Parameter	Flag	MDL Result	Units	RL
Trichlorofluoromethane		<0.538	µg/L	1
Acetone		<1.10	µg/L	10
Iodomethane (methyl iodide)		<0.214	µg/L	5
Carbon Disulfide		<0.294	µg/L	1
Acrylonitrile		<0.442	µg/L	1
2-Butanone (MEK)		<0.420	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.407	µg/L	5
2-Hexanone		<0.486	µg/L	5
trans 1,4-Dichloro-2-butene		<0.463	µg/L	10
1,1-Dichloroethene		<0.237	µg/L	1
Methylene chloride		<0.312	µg/L	5
MTBE		<0.318	µg/L	1
trans-1,2-Dichloroethene		<0.217	µg/L	1
1,1-Dichloroethane		<0.202	µg/L	1
cis-1,2-Dichloroethene		<0.309	µg/L	1
2,2-Dichloropropane		<0.318	µg/L	1
1,2-Dichloroethane (EDC)		<0.292	µg/L	1
Chloroform		<0.234	µg/L	1
1,1,1-Trichloroethane		<0.257	µg/L	1
1,1-Dichloropropene		<0.286	µg/L	1
Benzene		<0.319	µg/L	1
Carbon Tetrachloride		<0.223	µg/L	1
1,2-Dichloropropane		<0.266	µg/L	1
Trichloroethene (TCE)		<0.235	µg/L	1
Dibromomethane (methylene bromide)		<0.341	µg/L	1
Bromodichloromethane		<0.291	µg/L	1
2-Chloroethyl vinyl ether		<0.293	µg/L	5
cis-1,3-Dichloropropene		<0.207	µg/L	1
trans-1,3-Dichloropropene		<0.293	µg/L	1
Toluene		<0.268	µg/L	1
1,1,2-Trichloroethane		<0.329	µg/L	1
1,3-Dichloropropane		<0.316	µg/L	1
Dibromochloromethane		<0.290	µg/L	1
1,2-Dibromoethane (EDB)		<0.229	µg/L	1
Tetrachloroethene (PCE)		<0.233	µg/L	1
Chlorobenzene		<0.276	µg/L	1
1,1,1,2-Tetrachloroethane		<0.226	µg/L	1
Ethylbenzene		<0.245	µg/L	1
m,p-Xylene		<0.517	µg/L	1
Bromoform		<0.175	µg/L	1
Styrene		<0.239	µg/L	1
o-Xylene		<0.247	µg/L	1
1,1,2,2-Tetrachloroethane		<0.223	µg/L	1
2-Chlorotoluene		<0.235	µg/L	1
1,2,3-Trichloropropane		<0.230	µg/L	1
Isopropylbenzene		<0.226	µg/L	1
Bromobenzene		<0.245	µg/L	1
n-Propylbenzene		<0.234	µg/L	1
1,3,5-Trimethylbenzene		<0.261	µg/L	1
tert-Butylbenzene		<0.281	µg/L	1

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Parameter	Flag	MDL Result	Units	RL
1,2,4-Trimethylbenzene		<0.285	µg/L	1
1,4-Dichlorobenzene (para)		<0.307	µg/L	1
sec-Butylbenzene		<0.312	µg/L	1
1,3-Dichlorobenzene (meta)		<0.284	µg/L	1
p-Isopropyltoluene		<0.244	µg/L	1
4-Chlorotoluene		<0.257	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.294	µg/L	1
n-Butylbenzene		<0.339	µg/L	1
1,2-Dibromo-3-chloropropane		3.14	µg/L	5
1,2,3-Trichlorobenzene		2.63	µg/L	5
1,2,4-Trichlorobenzene		2.71	µg/L	5
Naphthalene		3.19	µg/L	5
Hexachlorobutadiene		<1.02	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.2	µg/L	1	50.0	96	89.8 - 111
Toluene-d8		49.6	µg/L	1	50.0	99	93.2 - 108
4-Bromofluorobenzene (4-BFB)		47.7	µg/L	1	50.0	95	88.4 - 103

Method Blank (1) QC Batch: 47167

QC Batch: 47167 Date Analyzed: 2008-04-02 Analyzed By: ER
 Prep Batch: 40563 QC Preparation: 2008-04-02 Prepared By: ER

Parameter	Flag	MDL Result	Units	RL
Surfactants		0.00	MBAS mg/L	0.1

Method Blank (1) QC Batch: 47227

QC Batch: 47227 Date Analyzed: 2008-04-08 Analyzed By: TP
 Prep Batch: 40584 QC Preparation: 2008-04-08 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 47240

QC Batch: 47240 Date Analyzed: 2008-04-08 Analyzed By: DS
 Prep Batch: 40627 QC Preparation: 2008-04-04 Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000241	mg/L	0.0002

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Parameter	Flag	MDL Result	Units	RL
2-Methylnaphthalene		<0.0000751	mg/L	0.0002
1-Methylnaphthalene		<0.0000281	mg/L	0.0002
Acenaphthylene		<0.0000415	mg/L	0.0002
Acenaphthene		<0.0000218	mg/L	0.0002
Dibenzofuran		<0.0000416	mg/L	0.0002
Fluorene		<0.0000437	mg/L	0.0002
Anthracene		<0.000125	mg/L	0.0002
Phenanthrene		<0.000129	mg/L	0.0002
Fluoranthene		<0.000142	mg/L	0.0002
Pyrene		<0.000155	mg/L	0.0002
Benzo(a)anthracene		<0.000125	mg/L	0.0002
Chrysene		<0.000105	mg/L	0.0002
Benzo(b)fluoranthene		<0.0000607	mg/L	0.0002
Benzo(k)fluoranthene		<0.0000690	mg/L	0.0002
Benzo(a)pyrene		<0.0000466	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000283	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000244	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000171	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0552	mg/L	1	0.0800	69	37.4 - 123
2-Fluorobiphenyl		0.0518	mg/L	1	0.0800	65	34.3 - 130
Terphenyl-d14		0.0600	mg/L	1	0.0800	75	10 - 252

Method Blank (1) QC Batch: 47550

QC Batch: 47550
Prep Batch: 40886

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-07

Analyzed By: BP
Prepared By: BP

Parameter	Flag	MDL Result	Units	RL
Free Cyanide		<0.00500	mg/L	0.01

Duplicates (1)

QC Batch: 47119
Prep Batch: 40522

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-02

Analyzed By: AR
Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	362.0	364.0	mg/L	1	1	20

Laboratory Control Spike (LCS-1)

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.8	mg/L	1	12.5	<0.172	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
Chloride	13.4	mg/L	1	12.5	<0.172	107	90 - 110	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: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.30	mg/L	1	2.50	<0.0889	92	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.68	mg/L	1	2.50	<0.0889	107	90 - 110	15	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: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.40	mg/L	1	2.50	<0.0709	96	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
Nitrite-N	2.62	mg/L	1	2.50	<0.0709	105	90 - 110	9	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: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.71	mg/L	1	2.50	<0.0805	108	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
Nitrate-N	2.74	mg/L	1	2.50	<0.0805	110	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13.6	mg/L	1	12.5	<0.344	109	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13.7	mg/L	1	12.5	<0.344	110	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.129	mg/L	1	0.125	<0.00210	103	86.7 - 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
Total Silver	0.130	mg/L	1	0.125	<0.00210	104	86.7 - 113	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Aluminum	0.930	mg/L	1	1.00	<0.0228	93	85 - 106

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 Aluminum	0.931	mg/L	1	1.00	<0.0228	93	85 - 106	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.502	mg/L	1	0.500	<0.00430	100	85 - 112

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 Arsenic	0.508	mg/L	1	0.500	<0.00430	102	85 - 112	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	1.05	mg/L	1	1.00	<0.00170	105	86.9 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	1.06	mg/L	1	1.00	<0.00170	106	86.9 - 115	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0257	mg/L	1	0.0250	<0.00220	103	85 - 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 Beryllium	0.0258	mg/L	1	0.0250	<0.00220	103	85 - 109	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.260	mg/L	1	0.250	<0.00140	104	85.2 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.259	mg/L	1	0.250	<0.00140	104	85.2 - 115	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.103	mg/L	1	0.100	<0.000900	103	86 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.103	mg/L	1	0.100	<0.000900	103	86 - 115	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.123	mg/L	1	0.125	<0.00140	98	85.6 - 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
Total Copper	0.123	mg/L	1	0.125	<0.00140	98	85.6 - 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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Iron	0.521	mg/L	1	0.500	<0.00690	104	86.9 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Iron	0.545	mg/L	1	0.500	<0.00690	109	86.9 - 115	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Manganese	0.259	mg/L	1	0.250	<0.000600	104	85.4 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Manganese	0.258	mg/L	1	0.250	<0.000600	103	85.4 - 115	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.506	mg/L	1	0.500	<0.00320	101	87.9 - 112

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 Lead	0.524	mg/L	1	0.500	<0.00320	105	87.9 - 112	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.246	mg/L	1	0.250	<0.0166	98	85 - 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
Total Antimony	0.244	mg/L	1	0.250	<0.0166	98	85 - 111	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.453	mg/L	1	0.500	<0.0131	91	85 - 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 Selenium	0.445	mg/L	1	0.500	<0.0131	89	85 - 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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.522	mg/L	1	0.500	<0.0189	104	89.4 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Thallium	0.520	mg/L	1	0.500	<0.0189	104	89.4 - 115	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: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.236	mg/L	1	0.250	<0.00710	94	85 - 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
Total Zinc	0.234	mg/L	1	0.250	<0.00710	94	85 - 113	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 47140
Prep Batch: 40543

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-04

Analyzed By: KB
Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	
Bromochloromethane	50.3	µg/L	1	50.0	<0.197	101	91.8 - 112	
Dichlorodifluoromethane	50.6	µg/L	1	50.0	<0.672	101	40.7 - 133	
Chloromethane (methyl chloride)	46.8	µg/L	1	50.0	<0.542	94	61.4 - 130	
Vinyl Chloride	48.6	µg/L	1	50.0	<0.516	97	65.4 - 127	
Bromomethane (methyl bromide)	51.2	µg/L	1	50.0	<0.446	102	61 - 140	
Chloroethane	50.1	µg/L	1	50.0	<0.656	100	72.1 - 121	
Trichlorofluoromethane	52.6	µg/L	1	50.0	<0.538	105	77.1 - 116	
Acetone	1	115	µg/L	1	50.0	<1.10	230	10 - 169
Iodomethane (methyl iodide)	50.4	µg/L	1	50.0	<0.214	101	84.4 - 118	
Carbon Disulfide	42.8	µg/L	1	50.0	<0.294	86	84.7 - 116	
Acrylonitrile	45.9	µg/L	1	50.0	<0.442	92	88.5 - 119	
2-Butanone (MEK)	2	94.2	µg/L	1	50.0	<0.420	188	38.2 - 134
4-Methyl-2-pentanone (MIBK)	53.8	µg/L	1	50.0	<0.407	108	90.4 - 114	
2-Hexanone	3	92.8	µg/L	1	50.0	<0.486	186	47 - 145
trans 1,4-Dichloro-2-butene	50.7	µg/L	1	50.0	<0.463	101	75.5 - 133	
1,1-Dichloroethene	52.4	µg/L	1	50.0	<0.237	105	86.8 - 110	
Methylene chloride	47.6	µg/L	1	50.0	<0.312	95	84.4 - 114	
MTBE	4	42.0	µg/L	1	50.0	<0.318	84	88.3 - 115
trans-1,2-Dichloroethene	48.9	µg/L	1	50.0	<0.217	98	89.1 - 109	
1,1-Dichloroethane	48.5	µg/L	1	50.0	<0.202	97	85 - 114	
cis-1,2-Dichloroethene	48.8	µg/L	1	50.0	<0.309	98	91.2 - 109	
2,2-Dichloropropane	38.5	µg/L	1	50.0	<0.318	77	63.4 - 132	
1,2-Dichloroethane (EDC)	48.1	µg/L	1	50.0	<0.292	96	82.2 - 113	
Chloroform	49.2	µg/L	1	50.0	<0.234	98	86.5 - 111	
1,1,1-Trichloroethane	5	44.2	µg/L	1	50.0	<0.257	88	89.7 - 109
1,1-Dichloropropene	48.4	µg/L	1	50.0	<0.286	97	89.7 - 110	
Benzene	47.8	µg/L	1	50.0	<0.319	96	87.6 - 107	
Carbon Tetrachloride	6	45.8	µg/L	1	50.0	<0.223	92	92.1 - 111
1,2-Dichloropropane	48.3	µg/L	1	50.0	<0.266	97	91.8 - 111	
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.235	101	85.4 - 113	
Dibromomethane (methylene bromide)	49.4	µg/L	1	50.0	<0.341	99	93.2 - 108	
Bromodichloromethane	49.9	µg/L	1	50.0	<0.291	100	93.6 - 113	
2-Chloroethyl vinyl ether	49.4	µg/L	1	50.0	<0.293	99	91.8 - 111	
cis-1,3-Dichloropropene	50.4	µg/L	1	50.0	<0.207	101	94.6 - 117	
trans-1,3-Dichloropropene	51.2	µg/L	1	50.0	<0.293	102	90.2 - 119	
Toluene	48.2	µg/L	1	50.0	<0.268	96	91.3 - 110	
1,1,2-Trichloroethane	48.8	µg/L	1	50.0	<0.329	98	94.3 - 106	
1,3-Dichloropropane	48.5	µg/L	1	50.0	<0.316	97	92.2 - 108	
Dibromochloromethane	52.0	µg/L	1	50.0	<0.290	104	92.1 - 122	
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.229	103	98.2 - 106	
Tetrachloroethene (PCE)	45.4	µg/L	1	50.0	<0.233	91	20.2 - 156	
Chlorobenzene	49.8	µg/L	1	50.0	<0.276	100	92.9 - 103	
1,1,1,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.226	101	99.3 - 105	
Ethylbenzene	47.6	µg/L	1	50.0	<0.245	95	90.5 - 107	
m,p-Xylene	95.7	µg/L	1	100	<0.517	96	89.5 - 111	
Bromoform	55.3	µg/L	1	50.0	<0.175	111	84.2 - 144	

continued ...

- ¹Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •
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- ⁴Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •
- ⁵Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •
- ⁶Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	48.0	µg/L	1	50.0	<0.239	96	94.3 - 113
o-Xylene	48.1	µg/L	1	50.0	<0.247	96	91.2 - 112
1,1,2,2-Tetrachloroethane	51.1	µg/L	1	50.0	<0.223	102	74.9 - 133
2-Chlorotoluene	48.2	µg/L	1	50.0	<0.235	96	87.4 - 110
1,2,3-Trichloropropane	50.9	µg/L	1	50.0	<0.230	102	86.6 - 114
Isopropylbenzene	49.4	µg/L	1	50.0	<0.226	99	87.6 - 115
Bromobenzene	48.6	µg/L	1	50.0	<0.245	97	91.3 - 105
n-Propylbenzene	48.8	µg/L	1	50.0	<0.234	98	84.4 - 113
1,3,5-Trimethylbenzene	48.3	µg/L	1	50.0	<0.261	97	89.3 - 109
tert-Butylbenzene	49.5	µg/L	1	50.0	<0.281	99	93.2 - 106
1,2,4-Trimethylbenzene	48.5	µg/L	1	50.0	<0.285	97	89.6 - 115
1,4-Dichlorobenzene (para)	50.7	µg/L	1	50.0	<0.307	101	88.4 - 106
sec-Butylbenzene	49.1	µg/L	1	50.0	<0.312	98	87.2 - 113
1,3-Dichlorobenzene (meta)	51.1	µg/L	1	50.0	<0.284	102	91.1 - 109
p-Isopropyltoluene	50.3	µg/L	1	50.0	<0.244	101	92.2 - 109
4-Chlorotoluene	49.2	µg/L	1	50.0	<0.257	98	89 - 110
1,2-Dichlorobenzene (ortho)	51.1	µg/L	1	50.0	<0.294	102	91.3 - 110
n-Butylbenzene	51.2	µg/L	1	50.0	<0.339	102	86.8 - 113
1,2-Dibromo-3-chloropropane	45.5	µg/L	1	50.0	3.14	91	72.3 - 130
1,2,3-Trichlorobenzene	47.1	µg/L	1	50.0	2.63	94	81.2 - 202
1,2,4-Trichlorobenzene	48.6	µg/L	1	50.0	2.71	97	65 - 145
Naphthalene	46.4	µg/L	1	50.0	3.19	93	84.5 - 150
Hexachlorobutadiene	49.8	µg/L	1	50.0	<1.02	100	70.2 - 133

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
Bromochloromethane	51.5	µg/L	1	50.0	<0.197	103	91.8 - 112	2	20
Dichlorodifluoromethane	49.1	µg/L	1	50.0	<0.672	98	40.7 - 133	3	20
Chloromethane (methyl chloride)	44.5	µg/L	1	50.0	<0.542	89	61.4 - 130	5	20
Vinyl Chloride	46.7	µg/L	1	50.0	<0.516	93	65.4 - 127	4	20
Bromomethane (methyl bromide)	49.3	µg/L	1	50.0	<0.446	99	61 - 140	4	20
Chloroethane	47.7	µg/L	1	50.0	<0.656	95	72.1 - 121	5	20
Trichlorofluoromethane	50.7	µg/L	1	50.0	<0.538	101	77.1 - 116	4	20
Acetone	103	µg/L	1	50.0	<1.10	206	10 - 169	11	20
Iodomethane (methyl iodide)	51.3	µg/L	1	50.0	<0.214	103	84.4 - 118	2	20
Carbon Disulfide	43.8	µg/L	1	50.0	<0.294	88	84.7 - 116	2	20
Acrylonitrile	46.7	µg/L	1	50.0	<0.442	93	88.5 - 119	2	20
2-Butanone (MEK)	94.4	µg/L	1	50.0	<0.420	189	38.2 - 134	0	20
4-Methyl-2-pentanone (MIBK)	55.4	µg/L	1	50.0	<0.407	111	90.4 - 114	3	20
2-Hexanone	92.2	µg/L	1	50.0	<0.486	184	47 - 145	1	20
trans 1,4-Dichloro-2-butene	50.8	µg/L	1	50.0	<0.463	102	75.5 - 133	0	20
1,1-Dichloroethene	53.7	µg/L	1	50.0	<0.237	107	86.8 - 110	2	20
Methylene chloride	48.6	µg/L	1	50.0	<0.312	97	84.4 - 114	2	20
MTBE	42.2	µg/L	1	50.0	<0.318	84	88.3 - 115	0	20
trans-1,2-Dichloroethene	49.7	µg/L	1	50.0	<0.217	99	89.1 - 109	2	20

continued ...

⁷Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •

⁸Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •

⁹Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •

¹⁰Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethane	49.7	µg/L	1	50.0	<0.202	99	85 - 114	2	20
cis-1,2-Dichloroethene	49.9	µg/L	1	50.0	<0.309	100	91.2 - 109	2	20
2,2-Dichloropropane	37.9	µg/L	1	50.0	<0.318	76	63.4 - 132	2	20
1,2-Dichloroethane (EDC)	49.0	µg/L	1	50.0	<0.292	98	82.2 - 113	2	20
Chloroform	50.5	µg/L	1	50.0	<0.234	101	86.5 - 111	3	20
1,1,1-Trichloroethane	44.3	µg/L	1	50.0	<0.257	89	89.7 - 109	0	20
1,1-Dichloropropene	51.4	µg/L	1	50.0	<0.286	103	89.7 - 110	6	20
Benzene	50.4	µg/L	1	50.0	<0.319	101	87.6 - 107	5	20
Carbon Tetrachloride	47.3	µg/L	1	50.0	<0.223	95	92.1 - 111	3	20
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.266	102	91.8 - 111	6	20
Trichloroethene (TCE)	52.7	µg/L	1	50.0	<0.235	105	85.4 - 113	4	20
Dibromomethane (methylene bromide)	52.2	µg/L	1	50.0	<0.341	104	93.2 - 108	6	20
Bromodichloromethane	52.5	µg/L	1	50.0	<0.291	105	93.6 - 113	5	20
2-Chloroethyl vinyl ether	50.5	µg/L	1	50.0	<0.293	101	91.8 - 111	2	20
cis-1,3-Dichloropropene	52.6	µg/L	1	50.0	<0.207	105	94.6 - 117	4	20
trans-1,3-Dichloropropene	53.6	µg/L	1	50.0	<0.293	107	90.2 - 119	5	20
Toluene	50.7	µg/L	1	50.0	<0.268	101	91.3 - 110	5	20
1,1,2-Trichloroethane	50.4	µg/L	1	50.0	<0.329	101	94.3 - 106	3	20
1,3-Dichloropropane	50.2	µg/L	1	50.0	<0.316	100	92.2 - 108	3	20
Dibromochloromethane	54.0	µg/L	1	50.0	<0.290	108	92.1 - 122	4	20
1,2-Dibromoethane (EDB)	53.2	µg/L	1	50.0	<0.229	106	98.2 - 106	3	20
Tetrachloroethene (PCE)	47.0	µg/L	1	50.0	<0.233	94	20.2 - 156	4	20
Chlorobenzene	51.4	µg/L	1	50.0	<0.276	103	92.9 - 103	3	20
1,1,1,2-Tetrachloroethane	51.9	µg/L	1	50.0	<0.226	104	99.3 - 105	3	20
Ethylbenzene	49.2	µg/L	1	50.0	<0.245	98	90.5 - 107	3	20
m,p-Xylene	98.2	µg/L	1	100	<0.517	98	89.5 - 111	3	20
Bromoform	56.8	µg/L	1	50.0	<0.175	114	84.2 - 144	3	20
Styrene	49.5	µg/L	1	50.0	<0.239	99	94.3 - 113	3	20
o-Xylene	49.3	µg/L	1	50.0	<0.247	99	91.2 - 112	2	20
1,1,2,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.223	103	74.9 - 133	1	20
2-Chlorotoluene	49.3	µg/L	1	50.0	<0.235	99	87.4 - 110	2	20
1,2,3-Trichloropropane	51.6	µg/L	1	50.0	<0.230	103	86.6 - 114	1	20
Isopropylbenzene	50.6	µg/L	1	50.0	<0.226	101	87.6 - 115	2	20
Bromobenzene	49.8	µg/L	1	50.0	<0.245	100	91.3 - 105	2	20
n-Propylbenzene	50.1	µg/L	1	50.0	<0.234	100	84.4 - 113	3	20
1,3,5-Trimethylbenzene	49.4	µg/L	1	50.0	<0.261	99	89.3 - 109	2	20
tert-Butylbenzene	50.3	µg/L	1	50.0	<0.281	101	93.2 - 106	2	20
1,2,4-Trimethylbenzene	49.4	µg/L	1	50.0	<0.285	99	89.6 - 115	2	20
1,4-Dichlorobenzene (para)	51.7	µg/L	1	50.0	<0.307	103	88.4 - 106	2	20
sec-Butylbenzene	50.5	µg/L	1	50.0	<0.312	101	87.2 - 113	3	20
1,3-Dichlorobenzene (meta)	52.1	µg/L	1	50.0	<0.284	104	91.1 - 109	2	20
p-Isopropyltoluene	51.3	µg/L	1	50.0	<0.244	103	92.2 - 109	2	20
4-Chlorotoluene	50.8	µg/L	1	50.0	<0.257	102	89 - 110	3	20
1,2-Dichlorobenzene (ortho)	51.9	µg/L	1	50.0	<0.294	104	91.3 - 110	2	20
n-Butylbenzene	51.7	µg/L	1	50.0	<0.339	103	86.8 - 113	1	20
1,2-Dibromo-3-chloropropane	45.4	µg/L	1	50.0	3.14	91	72.3 - 130	0	20
1,2,3-Trichlorobenzene	46.9	µg/L	1	50.0	2.63	94	81.2 - 202	0	20
1,2,4-Trichlorobenzene	48.8	µg/L	1	50.0	2.71	98	65 - 145	0	20
Naphthalene	46.4	µg/L	1	50.0	3.19	93	84.5 - 150	0	20

continued ...

¹¹ Spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Hexachlorobutadiene	50.4	µg/L	1	50.0	<1.02	101	70.2 - 133	1	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Dibromofluoromethane	50.3	50.2	µg/L	1	50.0	101	100	89.5 - 107
Toluene-d8	48.6	49.1	µg/L	1	50.0	97	98	92.6 - 102
4-Bromofluorobenzene (4-BFB)	49.8	50.2	µg/L	1	50.0	100	100	95.2 - 103

Laboratory Control Spike (LCS-1)

QC Batch: 47167
Prep Batch: 40563

Date Analyzed: 2008-04-02
QC Preparation: 2008-04-02

Analyzed By: ER
Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Surfactants	1.09	MBAS mg/L	1	1.00	0	109	69.5 - 126

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Surfactants	1.02	MBAS mg/L	1	1.00	0	102	69.5 - 126	7	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: 47227
Prep Batch: 40584

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-08

Analyzed By: TP
Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00104	mg/L	1	0.00100	<0.0000251	104	89.6 - 111

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.00105	mg/L	1	0.00100	<0.0000251	105	89.6 - 111	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: 47240
Prep Batch: 40627

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-04

Analyzed By: DS
Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0433	mg/L	1	0.0800	<0.0000241	54	10 - 141
2-Methylnaphthalene	0.0567	mg/L	1	0.0800	<0.0000751	71	50 - 150
1-Methylnaphthalene	0.0526	mg/L	1	0.0800	<0.0000281	66	50 - 150
Acenaphthylene	0.0532	mg/L	1	0.0800	<0.0000415	66	10 - 152
Acenaphthene	0.0526	mg/L	1	0.0800	<0.0000218	66	10 - 151
Dibenzofuran	0.0557	mg/L	1	0.0800	<0.0000416	70	10 - 148
Fluorene	0.0547	mg/L	1	0.0800	<0.0000437	68	10 - 172
Anthracene	0.0593	mg/L	1	0.0800	<0.000126	74	22.5 - 172
Phenanthrene	0.0599	mg/L	1	0.0800	<0.000129	75	19.6 - 172
Fluoranthene	0.0781	mg/L	1	0.0800	<0.000142	98	17.3 - 187
Pyrene	0.0569	mg/L	1	0.0800	<0.000155	71	14.9 - 199
Benzo(a)anthracene	0.0541	mg/L	1	0.0800	<0.000125	68	19.4 - 185
Chrysene	0.0561	mg/L	1	0.0800	<0.000105	70	18.4 - 188
Benzo(b)fluoranthene	0.0651	mg/L	1	0.0800	<0.0000607	81	10 - 193
Benzo(k)fluoranthene	0.0662	mg/L	1	0.0800	<0.0000690	83	27.8 - 196
Benzo(a)pyrene	0.0726	mg/L	1	0.0800	<0.0000466	91	12.4 - 205
Indeno(1,2,3-cd)pyrene	0.0909	mg/L	1	0.0800	<0.0000283	114	10 - 198
Dibenzo(a,h)anthracene	0.0882	mg/L	1	0.0800	<0.0000244	110	10 - 172
Benzo(g,h,i)perylene	0.0851	mg/L	1	0.0800	<0.0000171	106	10 - 186

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0448	mg/L	1	0.0800	<0.0000241	56	10 - 141	3	20
2-Methylnaphthalene	0.0589	mg/L	1	0.0800	<0.0000751	74	50 - 150	4	20
1-Methylnaphthalene	0.0555	mg/L	1	0.0800	<0.0000281	69	50 - 150	5	20
Acenaphthylene	0.0561	mg/L	1	0.0800	<0.0000415	70	10 - 152	5	20
Acenaphthene	0.0558	mg/L	1	0.0800	<0.0000218	70	10 - 151	6	20
Dibenzofuran	0.0591	mg/L	1	0.0800	<0.0000416	74	10 - 148	6	20
Fluorene	0.0588	mg/L	1	0.0800	<0.0000437	74	10 - 172	7	20
Anthracene	0.0622	mg/L	1	0.0800	<0.000126	78	22.5 - 172	5	20
Phenanthrene	0.0633	mg/L	1	0.0800	<0.000129	79	19.6 - 172	6	20
Fluoranthene	0.0808	mg/L	1	0.0800	<0.000142	101	17.3 - 187	3	20
Pyrene	0.0592	mg/L	1	0.0800	<0.000155	74	14.9 - 199	4	20
Benzo(a)anthracene	0.0563	mg/L	1	0.0800	<0.000125	70	19.4 - 185	4	20
Chrysene	0.0586	mg/L	1	0.0800	<0.000105	73	18.4 - 188	4	20
Benzo(b)fluoranthene	0.0654	mg/L	1	0.0800	<0.0000607	82	10 - 193	0	20
Benzo(k)fluoranthene	0.0669	mg/L	1	0.0800	<0.0000690	84	27.8 - 196	1	20
Benzo(a)pyrene	0.0730	mg/L	1	0.0800	<0.0000466	91	12.4 - 205	0	20
Indeno(1,2,3-cd)pyrene	0.0909	mg/L	1	0.0800	<0.0000283	114	10 - 198	0	20
Dibenzo(a,h)anthracene	0.0901	mg/L	1	0.0800	<0.0000244	113	10 - 172	2	20
Benzo(g,h,i)perylene	0.0870	mg/L	1	0.0800	<0.0000171	109	10 - 186	2	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Nitrobenzene-d5	0.0544	0.0596	mg/L	1	0.0800	68	74	10 - 165
2-Fluorobiphenyl	0.0486	0.0504	mg/L	1	0.0800	61	63	10 - 157
Terphenyl-d14	0.0662	0.0696	mg/L	1	0.0800	83	87	10 - 220

Laboratory Control Spike (LCS-1)

QC Batch: 47550
Prep Batch: 40886

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-07

Analyzed By: BP
Prepared By: BP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0500	mg/L	1	0.0500	<0.00500	100	80 - 120

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Free Cyanide	0.0520	mg/L	1	0.0500	<0.00500	104	80 - 120	4	20

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

Matrix Spike (MS-1) Spiked Sample: 155169

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹² 2710	mg/L	100	1250	920.265	143	78.2 - 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
Chloride	¹³ 2530	mg/L	100	1250	920.265	129	78.2 - 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: 155169

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	246	mg/L	100	250	<8.89	97	58.3 - 135

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	249	mg/L	100	250	<8.89	99	58.3 - 135	1	20

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

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

¹³Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 155169

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	178	mg/L	100	250	<7.09	71	10 - 209

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
Nitrite-N	188	mg/L	100	250	<7.09	75	10 - 209	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: 155169

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	¹⁴ 379	mg/L	100	250	10.5501	147	75.8 - 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
Nitrate-N	¹⁵ 381	mg/L	100	250	10.5501	148	75.8 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 155169

QC Batch: 47026
Prep Batch: 40447

Date Analyzed: 2008-04-01
QC Preparation: 2008-04-01

Analyzed By: ER
Prepared By: ER

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	1780	mg/L	100	1250	355.194	114	73.1 - 121

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	1780	mg/L	100	1250	355.194	114	73.1 - 121	0	20

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

¹⁴Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁵Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.121	mg/L	1	0.125	<0.00210	97	76.1 - 115

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.120	mg/L	1	0.125	<0.00210	96	76.1 - 115	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Aluminum	0.980	mg/L	1	1.00	<0.0228	98	75 - 117

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Aluminum	1.04	mg/L	1	1.00	<0.0228	104	75 - 117	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.445	mg/L	1	0.500	<0.00430	89	81.6 - 116

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 Arsenic	0.445	mg/L	1	0.500	<0.00430	89	81.6 - 116	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.809	mg/L	1	1.00	0.008	80	75 - 123

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 Barium	0.806	mg/L	1	1.00	0.008	80	75 - 123	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Beryllium	0.0210	mg/L	1	0.0250	<0.00220	84	75 - 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 Beryllium	0.0210	mg/L	1	0.0250	<0.00220	84	75 - 113	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.187	mg/L	1	0.250	<0.00140	75	75 - 115

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 Cadmium	0.195	mg/L	1	0.250	<0.00140	78	75 - 115	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.100	mg/L	1	0.100	0.022	78	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 Chromium	0.0990	mg/L	1	0.100	0.022	77	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.115	mg/L	1	0.125	<0.00140	92	81 - 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
Total Copper	0.115	mg/L	1	0.125	<0.00140	92	81 - 112	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Iron	0.454	mg/L	1	0.500	<0.00690	91	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 Iron	0.486	mg/L	1	0.500	<0.00690	97	75 - 125	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Manganese	0.193	mg/L	1	0.250	<0.000600	77	75 - 111

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 Manganese	0.191	mg/L	1	0.250	<0.000600	76	75 - 111	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.423	mg/L	1	0.500	<0.00320	85	82.6 - 114

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.445	mg/L	1	0.500	<0.00320	89	82.6 - 114	5	20

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

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Antimony	0.219	mg/L	1	0.250	<0.0166	88	75 - 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
Total Antimony	0.214	mg/L	1	0.250	<0.0166	86	75 - 112	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.544	mg/L	1	0.500	0.132	82	75 - 106

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 Selenium	0.538	mg/L	1	0.500	0.132	81	75 - 106	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: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Thallium	0.398	mg/L	1	0.500	<0.0189	80	75 - 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
Total Thallium	0.396	mg/L	1	0.500	<0.0189	79	75 - 124	0	20

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

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47095
Prep Batch: 40490

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-03

Analyzed By: RR
Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.199	mg/L	1	0.250	<0.00710	80	76.9 - 111

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 Zinc	0.215	mg/L	1	0.250	<0.00710	86	76.9 - 111	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: 155638

QC Batch: 47140
Prep Batch: 40543

Date Analyzed: 2008-04-04
QC Preparation: 2008-04-04

Analyzed By: KB
Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.8	µg/L	1	50.0	<0.197	100	82.3 - 118
Dichlorodifluoromethane	45.1	µg/L	1	50.0	<0.672	90	24.2 - 131
Chloromethane (methyl chloride)	41.0	µg/L	1	50.0	<0.542	82	69.6 - 118
Vinyl Chloride	41.9	µg/L	1	50.0	<0.516	84	80.8 - 107
Bromomethane (methyl bromide)	46.9	µg/L	1	50.0	<0.446	94	74.8 - 126
Chloroethane	42.9	µg/L	1	50.0	<0.656	86	74.6 - 124
Trichlorofluoromethane	48.4	µg/L	1	50.0	<0.538	97	66.8 - 115
Acetone	16 54.6	µg/L	1	50.0	<1.10	109	15 - 80.4
Iodomethane (methyl iodide)	48.0	µg/L	1	50.0	<0.214	96	75.2 - 114
Carbon Disulfide	36.5	µg/L	1	50.0	<0.294	73	69 - 121
Acrylonitrile	43.3	µg/L	1	50.0	<0.442	87	69.6 - 135
2-Butanone (MEK)	17 62.1	µg/L	1	50.0	<0.420	124	28.1 - 108
4-Methyl-2-pentanone (MIBK)	58.7	µg/L	1	50.0	<0.407	117	81.5 - 117
2-Hexanone	18 73.5	µg/L	1	50.0	<0.486	147	44.6 - 122
trans 1,4-Dichloro-2-butene	48.4	µg/L	1	50.0	<0.463	97	48.3 - 128

continued . . .

¹⁶Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •

¹⁷Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •

¹⁸Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.4	µg/L	1	50.0	<0.237	101	74.7 - 112
Methylene chloride	45.8	µg/L	1	50.0	<0.312	92	74.8 - 120
MTBE	36.9	µg/L	1	50.0	<0.318	74	73.5 - 125
trans-1,2-Dichloroethene	44.6	µg/L	1	50.0	<0.217	89	81.3 - 115
1,1-Dichloroethane	52.1	µg/L	1	50.0	6.25	92	76.8 - 122
cis-1,2-Dichloroethene	47.0	µg/L	1	50.0	<0.309	94	81 - 116
2,2-Dichloropropane	30.6	µg/L	1	50.0	<0.318	61	21.1 - 110
1,2-Dichloroethane (EDC)	47.2	µg/L	1	50.0	<0.292	94	73.6 - 125
Chloroform	48.3	µg/L	1	50.0	0.78	95	74 - 122
1,1,1-Trichloroethane	43.2	µg/L	1	50.0	1.63	83	73.4 - 119
1,1-Dichloropropene	47.5	µg/L	1	50.0	<0.286	95	73.8 - 119
Benzene	47.1	µg/L	1	50.0	<0.319	94	80.2 - 114
Carbon Tetrachloride	44.6	µg/L	1	50.0	<0.223	89	83.6 - 111
1,2-Dichloropropane	46.9	µg/L	1	50.0	<0.266	94	79.4 - 121
Trichloroethene (TCE)	50.7	µg/L	1	50.0	0.82	100	78.8 - 106
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.341	102	88 - 114
Bromodichloromethane	50.6	µg/L	1	50.0	<0.291	101	80.3 - 121
2-Chloroethyl vinyl ether	19 <0.293	µg/L	1	50.0	<0.293	0	79.4 - 121
cis-1,3-Dichloropropene	49.2	µg/L	1	50.0	<0.207	98	74.3 - 118
trans-1,3-Dichloropropene	50.4	µg/L	1	50.0	<0.293	101	69.2 - 121
Toluene	48.4	µg/L	1	50.0	<0.268	97	87.5 - 112
1,1,2-Trichloroethane	48.0	µg/L	1	50.0	<0.329	96	89.1 - 110
1,3-Dichloropropane	48.3	µg/L	1	50.0	<0.316	97	88.1 - 113
Dibromochloromethane	51.9	µg/L	1	50.0	<0.290	104	84 - 121
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.229	102	89.1 - 111
Tetrachloroethene (PCE)	34.5	µg/L	1	50.0	<0.233	69	42.9 - 72.6
Chlorobenzene	48.8	µg/L	1	50.0	<0.276	98	75.2 - 114
1,1,1,2-Tetrachloroethane	50.3	µg/L	1	50.0	<0.226	101	87.7 - 113
Ethylbenzene	46.2	µg/L	1	50.0	<0.245	92	74.6 - 118
m,p-Xylene	93.4	µg/L	1	100	<0.517	93	72.9 - 120
Bromoform	55.5	µg/L	1	50.0	<0.175	111	79.2 - 135
Styrene	45.1	µg/L	1	50.0	<0.239	90	41.7 - 137
o-Xylene	46.9	µg/L	1	50.0	<0.247	94	74.1 - 123
1,1,2,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.223	103	80.7 - 131
2-Chlorotoluene	46.6	µg/L	1	50.0	<0.235	93	71.6 - 117
1,2,3-Trichloropropane	50.4	µg/L	1	50.0	<0.230	101	78.4 - 109
Isopropylbenzene	47.7	µg/L	1	50.0	<0.226	95	72.4 - 118
Bromobenzene	47.5	µg/L	1	50.0	<0.245	95	72.7 - 115
n-Propylbenzene	46.8	µg/L	1	50.0	<0.234	94	69.1 - 117
1,3,5-Trimethylbenzene	46.2	µg/L	1	50.0	<0.261	92	70.6 - 116
tert-Butylbenzene	47.4	µg/L	1	50.0	<0.281	95	77.1 - 113
1,2,4-Trimethylbenzene	46.0	µg/L	1	50.0	<0.285	92	76.5 - 118
1,4-Dichlorobenzene (para)	48.7	µg/L	1	50.0	<0.307	97	80.6 - 106
sec-Butylbenzene	45.9	µg/L	1	50.0	<0.312	92	74 - 113
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.284	98	81.4 - 109
p-Isopropyltoluene	46.8	µg/L	1	50.0	<0.244	94	74.6 - 114
4-Chlorotoluene	47.4	µg/L	1	50.0	<0.257	95	71.3 - 117
1,2-Dichlorobenzene (ortho)	49.7	µg/L	1	50.0	<0.294	99	87 - 104
n-Butylbenzene	46.1	µg/L	1	50.0	<0.339	92	65.7 - 115

*continued ...*¹⁹Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromo-3-chloropropane	43.3	µg/L	1	50.0	3.14	80	45.5 - 132
1,2,3-Trichlorobenzene	34.6	µg/L	1	50.0	<0.736	69	10 - 200
1,2,4-Trichlorobenzene	41.6	µg/L	1	50.0	<0.432	83	26.5 - 139
Naphthalene	37.9	µg/L	1	50.0	<0.475	76	10 - 203
Hexachlorobutadiene	43.4	µg/L	1	50.0	<1.02	87	50.9 - 108

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
Bromochloromethane	51.1	µg/L	1	50.0	<0.197	102	82.3 - 118	3	20
Dichlorodifluoromethane	44.0	µg/L	1	50.0	<0.672	88	24.2 - 131	2	20
Chloromethane (methyl chloride)	42.6	µg/L	1	50.0	<0.542	85	69.0 - 118	4	20
Vinyl Chloride	42.0	µg/L	1	50.0	<0.516	84	80.8 - 107	0	20
Bromomethane (methyl bromide)	47.5	µg/L	1	50.0	<0.446	95	74.8 - 126	1	20
Chloroethane	45.2	µg/L	1	50.0	<0.656	90	74.6 - 124	5	20
Trichlorofluoromethane	48.4	µg/L	1	50.0	<0.538	97	66.8 - 115	0	20
Acetone	53.1	µg/L	1	50.0	<1.10	106	15 - 80.4	3	20
Iodomethane (methyl iodide)	48.8	µg/L	1	50.0	<0.214	98	75.2 - 114	2	20
Carbon Disulfide	34.4	µg/L	1	50.0	<0.294	69	69 - 121	6	20
Acrylonitrile	45.2	µg/L	1	50.0	<0.442	90	69.6 - 135	4	20
2-Butanone (MEK)	61.8	µg/L	1	50.0	<0.420	124	28.1 - 108	0	20
4-Methyl-2-pentanone (MIBK)	60.7	µg/L	1	50.0	<0.407	121	81.5 - 117	3	20
2-Hexanone	76.5	µg/L	1	50.0	<0.486	153	44.6 - 122	4	20
trans 1,4-Dichloro-2-butene	48.9	µg/L	1	50.0	<0.463	98	48.3 - 128	1	20
1,1-Dichloroethene	52.0	µg/L	1	50.0	<0.237	104	74.7 - 112	3	20
Methylene chloride	46.8	µg/L	1	50.0	<0.312	94	74.8 - 120	2	20
MTBE	39.2	µg/L	1	50.0	<0.318	78	73.5 - 125	6	20
trans-1,2-Dichloroethene	45.3	µg/L	1	50.0	<0.217	91	81.3 - 115	2	20
1,1-Dichloroethane	54.1	µg/L	1	50.0	6.25	96	76.8 - 122	4	20
cis-1,2-Dichloroethene	48.8	µg/L	1	50.0	<0.309	98	81 - 116	4	20
2,2-Dichloropropane	31.2	µg/L	1	50.0	<0.318	62	21.1 - 110	2	20
1,2-Dichloroethane (EDC)	48.2	µg/L	1	50.0	<0.292	96	73.6 - 125	2	20
Chloroform	48.4	µg/L	1	50.0	0.78	95	74 - 122	0	20
1,1,1-Trichloroethane	44.1	µg/L	1	50.0	1.63	85	73.4 - 119	2	20
1,1-Dichloropropene	47.6	µg/L	1	50.0	<0.286	95	73.8 - 119	0	20
Benzene	47.4	µg/L	1	50.0	<0.319	95	80.2 - 114	1	20
Carbon Tetrachloride	44.4	µg/L	1	50.0	<0.223	89	83.6 - 111	0	20
1,2-Dichloropropane	47.3	µg/L	1	50.0	<0.266	95	79.4 - 121	1	20
Trichloroethene (TCE)	50.2	µg/L	1	50.0	0.82	99	78.8 - 106	1	20
Dibromomethane (methylene bromide)	50.3	µg/L	1	50.0	<0.341	101	88 - 114	1	20
Bromodichloromethane	49.8	µg/L	1	50.0	<0.291	100	80.3 - 121	2	20
2-Chloroethyl vinyl ether	<0.293	µg/L	1	50.0	<0.293	0	79.4 - 121	0	20
cis-1,3-Dichloropropene	48.2	µg/L	1	50.0	<0.207	96	74.3 - 118	2	20
trans-1,3-Dichloropropene	49.2	µg/L	1	50.0	<0.293	98	69.2 - 121	2	20
Toluene	47.7	µg/L	1	50.0	<0.268	95	87.5 - 112	1	20
1,1,2-Trichloroethane	49.3	µg/L	1	50.0	<0.329	99	89.1 - 110	3	20

continued ...

- ²⁰Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •
- ²¹Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •
- ²²Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •
- ²³Matrix spike recovery outside control limits. Majority of recoveries within limits showing analysis to be in control. RPD within limits. •
- ²⁴Matrix 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
1,3-Dichloropropane	49.9	µg/L	1	50.0	<0.316	100	88.1 - 113	3	20
Dibromochloromethane	52.9	µg/L	1	50.0	<0.290	106	84 - 121	2	20
1,2-Dibromoethane (EDB)	52.7	µg/L	1	50.0	<0.229	105	89.1 - 111	3	20
Tetrachloroethene (PCE)	35.6	µg/L	1	50.0	<0.233	71	42.9 - 72.6	3	20
Chlorobenzene	49.8	µg/L	1	50.0	<0.276	100	75.2 - 114	2	20
1,1,1,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.226	101	87.7 - 113	0	20
Ethylbenzene	47.3	µg/L	1	50.0	<0.245	95	74.6 - 118	2	20
m,p-Xylene	94.7	µg/L	1	100	<0.517	95	72.9 - 120	1	20
Bromoform	56.3	µg/L	1	50.0	<0.175	113	79.2 - 135	1	20
Styrene	45.2	µg/L	1	50.0	<0.239	90	41.7 - 137	0	20
o-Xylene	47.9	µg/L	1	50.0	<0.247	96	74.1 - 123	2	20
1,1,2,2-Tetrachloroethane	52.5	µg/L	1	50.0	<0.223	105	80.7 - 131	2	20
2-Chlorotoluene	48.2	µg/L	1	50.0	<0.235	96	71.6 - 117	3	20
1,2,3-Trichloropropane	52.0	µg/L	1	50.0	<0.230	104	78.4 - 109	3	20
Isopropylbenzene	49.4	µg/L	1	50.0	<0.226	99	72.4 - 118	4	20
Bromobenzene	49.0	µg/L	1	50.0	<0.245	98	72.7 - 115	3	20
n-Propylbenzene	48.5	µg/L	1	50.0	<0.234	97	69.1 - 117	4	20
1,3,5-Trimethylbenzene	48.0	µg/L	1	50.0	<0.261	96	70.6 - 116	4	20
tert-Butylbenzene	48.5	µg/L	1	50.0	<0.281	97	77.1 - 113	2	20
1,2,4-Trimethylbenzene	47.4	µg/L	1	50.0	<0.285	95	76.5 - 118	3	20
1,4-Dichlorobenzene (para)	50.7	µg/L	1	50.0	<0.307	101	80.6 - 106	4	20
sec-Butylbenzene	48.0	µg/L	1	50.0	<0.312	96	74 - 113	4	20
1,3-Dichlorobenzene (meta)	50.7	µg/L	1	50.0	<0.284	101	81.4 - 109	3	20
p-Isopropyltoluene	48.8	µg/L	1	50.0	<0.244	98	74.6 - 114	4	20
4-Chlorotoluene	49.5	µg/L	1	50.0	<0.257	99	71.3 - 117	4	20
1,2-Dichlorobenzene (ortho)	51.0	µg/L	1	50.0	<0.294	102	87 - 104	3	20
n-Butylbenzene	48.8	µg/L	1	50.0	<0.339	98	65.7 - 115	6	20
1,2-Dibromo-3-chloropropane	48.9	µg/L	1	50.0	3.14	92	45.5 - 132	12	20
1,2,3-Trichlorobenzene	43.9	µg/L	1	50.0	<0.736	88	10 - 200	24	20
1,2,4-Trichlorobenzene	47.5	µg/L	1	50.0	<0.432	95	26.5 - 139	13	20
Naphthalene	45.6	µg/L	1	50.0	<0.475	91	10 - 203	18	20
Hexachlorobutadiene	47.4	µg/L	1	50.0	<1.02	95	50.9 - 108	9	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	49.9	49.7	µg/L	1	50	100	99	91.5 - 112
Toluene-d8	47.8	48.0	µg/L	1	50	96	96	90.6 - 105
4-Bromofluorobenzene (4-BFB)	48.7	48.7	µg/L	1	50	97	97	88.7 - 112

Matrix Spike (MS-1) Spiked Sample: 155151

QC Batch: 47167
Prep Batch: 40563Date Analyzed: 2008-04-02
QC Preparation: 2008-04-02Analyzed By: ER
Prepared By: ER

continued ...

²⁵RPD outside control limits. Use LCS/LCSD to show analysis is under control. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Surfactants	0.920	MBAS mg/L	1	1.00	0.065	86	10 - 168

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
Surfactants	0.876	MBAS mg/L	1	1.00	0.065	81	10 - 168	5	20

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

Matrix Spike (MS-1) Spiked Sample: 155146

QC Batch: 47227
Prep Batch: 40584

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-08

Analyzed By: TP
Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.00109	mg/L	1	0.00100	<0.0000251	109	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 Mercury	0.00108	mg/L	1	0.00100	<0.0000251	108	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: 155151

QC Batch: 47550
Prep Batch: 40886

Date Analyzed: 2008-04-08
QC Preparation: 2008-04-07

Analyzed By: BP
Prepared By: BP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Free Cyanide	0.0520	mg/L	1	0.0500	<0.00500	104	80 - 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
Free Cyanide	0.0480	mg/L	1	0.0500	<0.00500	96	80 - 120	8	20

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

Standard (ICV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.4	107	90 - 110	2008-04-01

Standard (ICV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.34	94	90 - 110	2008-04-01

Standard (ICV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.70	108	90 - 110	2008-04-01

Standard (ICV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.71	108	90 - 110	2008-04-01

Standard (ICV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	13.6	109	90 - 110	2008-04-01

Standard (CCV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2008-04-01

Standard (CCV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.66	106	90 - 110	2008-04-01

Standard (CCV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.66	106	90 - 110	2008-04-01

Standard (CCV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.67	107	90 - 110	2008-04-01

Standard (CCV-1)

QC Batch: 47026

Date Analyzed: 2008-04-01

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	13.4	107	90 - 110	2008-04-01

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

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	0.125	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	1.00	0.985	98	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.997	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	0.972	97	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.01	101	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.998	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		mg/L	1.00	0.998	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Manganese		mg/L	1.00	0.989	99	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.995	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	0.984	98	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.966	97	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.00	100	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.995	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

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	0.130	104	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	1.00	0.997	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.03	103	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Beryllium		mg/L	1.00	1.00	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Manganese		mg/L	1.00	1.00	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Antimony		mg/L	1.00	1.00	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.975	98	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Thallium		mg/L	1.00	1.02	102	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47095

Date Analyzed: 2008-04-04

Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.01	101	90 - 110	2008-04-04

Standard (ICV-1)

QC Batch: 47119

Date Analyzed: 2008-04-04

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	979.0	98	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47119

Date Analyzed: 2008-04-04

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1001	100	90 - 110	2008-04-04

Standard (CCV-1)

QC Batch: 47140

Date Analyzed: 2008-04-04

Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	46.9	94	70 - 130	2008-04-04
Dichlorodifluoromethane		µg/L	50.0	46.8	94	70 - 130	2008-04-04
Chloromethane (methyl chloride)		µg/L	50.0	40.4	81	70 - 130	2008-04-04
Vinyl Chloride		µg/L	50.0	41.4	83	80 - 120	2008-04-04
Bromomethane (methyl bromide)		µg/L	50.0	45.3	91	70 - 130	2008-04-04
Chloroethane		µg/L	50.0	44.1	88	70 - 130	2008-04-04
Trichlorofluoromethane		µg/L	50.0	48.5	97	70 - 130	2008-04-04
Acetone	26	µg/L	50.0	98.3	197	70 - 130	2008-04-04
Iodomethane (methyl iodide)		µg/L	50.0	46.3	93	70 - 130	2008-04-04
Carbon Disulfide		µg/L	50.0	38.8	78	70 - 130	2008-04-04
Acrylonitrile		µg/L	50.0	40.8	82	70 - 130	2008-04-04
2-Butanone (MEK)	27	µg/L	50.0	82.1	164	70 - 130	2008-04-04
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	49.0	98	70 - 130	2008-04-04

continued ...

²⁶ Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

²⁷ 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Hexanone	28	µg/L	50.0	82.4	165	70 - 130	2008-04-04
trans 1,4-Dichloro-2-butene		µg/L	50.0	46.4	93	70 - 130	2008-04-04
1,1-Dichloroethene		µg/L	50.0	48.1	96	80 - 120	2008-04-04
Methylene chloride		µg/L	50.0	43.6	87	70 - 130	2008-04-04
MTBE		µg/L	50.0	38.0	76	70 - 130	2008-04-04
trans-1,2-Dichloroethene		µg/L	50.0	44.9	90	70 - 130	2008-04-04
1,1-Dichloroethane		µg/L	50.0	44.0	88	70 - 130	2008-04-04
cis-1,2-Dichloroethene		µg/L	50.0	44.6	89	70 - 130	2008-04-04
2,2-Dichloropropane		µg/L	50.0	35.5	71	70 - 130	2008-04-04
1,2-Dichloroethane (EDC)		µg/L	50.0	45.2	90	70 - 130	2008-04-04
Chloroform		µg/L	50.0	45.8	92	80 - 120	2008-04-04
1,1,1-Trichloroethane		µg/L	50.0	40.8	82	70 - 130	2008-04-04
1,1-Dichloropropene		µg/L	50.0	45.7	91	70 - 130	2008-04-04
Benzene		µg/L	50.0	44.7	89	70 - 130	2008-04-04
Carbon Tetrachloride		µg/L	50.0	44.0	88	70 - 130	2008-04-04
1,2-Dichloropropane		µg/L	50.0	45.0	90	80 - 120	2008-04-04
Trichloroethene (TCE)		µg/L	50.0	47.5	95	70 - 130	2008-04-04
Dibromomethane (methylene bromide)		µg/L	50.0	47.4	95	70 - 130	2008-04-04
Bromodichloromethane		µg/L	50.0	47.4	95	70 - 130	2008-04-04
2-Chloroethyl vinyl ether		µg/L	50.0	46.0	92	70 - 130	2008-04-04
cis-1,3-Dichloropropene		µg/L	50.0	47.7	95	70 - 130	2008-04-04
trans-1,3-Dichloropropene		µg/L	50.0	48.8	98	70 - 130	2008-04-04
Toluene		µg/L	50.0	45.6	91	80 - 120	2008-04-04
1,1,2-Trichloroethane		µg/L	50.0	45.3	91	70 - 130	2008-04-04
1,3-Dichloropropane		µg/L	50.0	45.5	91	70 - 130	2008-04-04
Dibromochloromethane		µg/L	50.0	49.0	98	70 - 130	2008-04-04
1,2-Dibromoethane (EDB)		µg/L	50.0	47.9	96	70 - 130	2008-04-04
Tetrachloroethene (PCE)		µg/L	50.0	36.7	73	70 - 130	2008-04-04
Chlorobenzene		µg/L	50.0	46.7	93	80 - 120	2008-04-04
1,1,1,2-Tetrachloroethane		µg/L	50.0	47.9	96	70 - 130	2008-04-04
Ethylbenzene		µg/L	50.0	44.8	90	80 - 120	2008-04-04
m,p-Xylene		µg/L	100	90.1	90	70 - 130	2008-04-04
Bromoform		µg/L	50.0	51.4	103	70 - 130	2008-04-04
Styrene		µg/L	50.0	45.2	90	70 - 130	2008-04-04
o-Xylene		µg/L	50.0	45.5	91	70 - 130	2008-04-04
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.8	96	70 - 130	2008-04-04
2-Chlorotoluene		µg/L	50.0	44.4	89	70 - 130	2008-04-04
1,2,3-Trichloropropane		µg/L	50.0	46.5	93	70 - 130	2008-04-04
Isopropylbenzene		µg/L	50.0	45.3	91	70 - 130	2008-04-04
Bromobenzene		µg/L	50.0	44.7	89	70 - 130	2008-04-04
n-Propylbenzene		µg/L	50.0	45.0	90	70 - 130	2008-04-04
1,3,5-Trimethylbenzene		µg/L	50.0	44.6	89	70 - 130	2008-04-04
tert-Butylbenzene		µg/L	50.0	45.6	91	70 - 130	2008-04-04
1,2,4-Trimethylbenzene		µg/L	50.0	44.9	90	70 - 130	2008-04-04
1,4-Dichlorobenzene (para)		µg/L	50.0	46.9	94	70 - 130	2008-04-04
sec-Butylbenzene		µg/L	50.0	45.2	90	70 - 130	2008-04-04
1,3-Dichlorobenzene (meta)		µg/L	50.0	47.1	94	70 - 130	2008-04-04

continued ...

²⁸2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
p-Isopropyltoluene		µg/L	50.0	46.5	93	70 - 130	2008-04-04
4-Chlorotoluene		µg/L	50.0	45.3	91	70 - 130	2008-04-04
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.2	94	70 - 130	2008-04-04
n-Butylbenzene		µg/L	50.0	47.1	94	70 - 130	2008-04-04
1,2-Dibromo-3-chloropropane		µg/L	50.0	40.5	81	70 - 130	2008-04-04
1,2,3-Trichlorobenzene		µg/L	50.0	41.1	82	70 - 130	2008-04-04
1,2,4-Trichlorobenzene		µg/L	50.0	43.1	86	70 - 130	2008-04-04
Naphthalene		µg/L	50.0	40.6	81	70 - 130	2008-04-04
Hexachlorobutadiene		µg/L	50.0	45.7	91	70 - 130	2008-04-04

Standard (ICV-1)

QC Batch: 47167

Date Analyzed: 2008-04-02

Analyzed By: ER

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Surfactants		MBAS mg/L	1.00	1.11	111	85 - 115	2008-04-02

Standard (CCV-1)

QC Batch: 47167

Date Analyzed: 2008-04-02

Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Surfactants		MBAS mg/L	1.00	1.13	113	85 - 115	2008-04-02

Standard (ICV-1)

QC Batch: 47227

Date Analyzed: 2008-04-08

Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000922	92	90 - 110	2008-04-08

Standard (CCV-1)

QC Batch: 47227

Date Analyzed: 2008-04-08

Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00108	108	80 - 120	2008-04-08

Standard (CCV-1)

QC Batch: 47240

Date Analyzed: 2008-04-08

Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.9	98	80 - 120	2008-04-08
2-Methylnaphthalene		mg/L	60.0	61.3	102	80 - 120	2008-04-08
1-Methylnaphthalene		mg/L	60.0	60.8	101	80 - 120	2008-04-08
Acenaphthylene		mg/L	60.0	57.4	96	80 - 120	2008-04-08
Acenaphthene		mg/L	60.0	58.0	97	80 - 120	2008-04-08
Dibenzofuran		mg/L	60.0	63.6	106	80 - 120	2008-04-08
Fluorene		mg/L	60.0	62.2	104	80 - 120	2008-04-08
Anthracene		mg/L	60.0	57.9	96	80 - 120	2008-04-08
Phenanthrene		mg/L	60.0	60.0	100	80 - 120	2008-04-08
Fluoranthene		mg/L	60.0	69.3	116	80 - 120	2008-04-08
Pyrene		mg/L	60.0	60.7	101	80 - 120	2008-04-08
Benzo(a)anthracene		mg/L	60.0	56.8	95	80 - 120	2008-04-08
Chrysene		mg/L	60.0	57.2	95	80 - 120	2008-04-08
Benzo(b)fluoranthene		mg/L	60.0	58.9	98	80 - 120	2008-04-08
Benzo(k)fluoranthene		mg/L	60.0	60.2	100	80 - 120	2008-04-08
Benzo(a)pyrene		mg/L	60.0	64.4	107	80 - 120	2008-04-08
Indeno(1,2,3-cd)pyrene	²⁹	mg/L	60.0	79.3	132	80 - 120	2008-04-08
Dibenzo(a,h)anthracene	³⁰	mg/L	60.0	80.6	134	80 - 120	2008-04-08
Benzo(g,h,i)perylene	³¹	mg/L	60.0	77.4	129	80 - 120	2008-04-08

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		71.5	mg/L	1	60.0	119	80 - 120
2-Fluorobiphenyl		70.1	mg/L	1	60.0	117	80 - 120
Terphenyl-d14		68.9	mg/L	1	60.0	115	80 - 120

Standard (ICV-1)

QC Batch: 47550

Date Analyzed: 2008-04-08

Analyzed By: BP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.108	108	90 - 110	2008-04-08

Standard (CCV-1)

QC Batch: 47550

Date Analyzed: 2008-04-08

Analyzed By: BP

²⁹Indeno(1,2,3-cd)pyrene outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

³⁰Dibenzo(a,h)anthracene outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

³¹Benzo(g,h,i)perylene outside of control limits on CCV(ICV). CCV(ICV) component average is 107% which is within acceptable range. This is acceptable by Method 8000.

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Free Cyanide		mg/L	0.100	0.106	106	90 - 110	2008-04-08

200 East Sunset Rd., Suite E
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Carrier # Com-in

SEC ✓	Manganese - Metals
SEC ✓	Odor - WC
SEC ✓	pH - WC
SEC ✓	Silver - Metals
SEC	Sulfate - WC
SEC ✓	Total Dissolved Solids - WC
SEC	Zinc - Metals
SOC	1,2-Dibromo-3-chloropropane (DBCP)
SOC	2,4,5-TP (Silvex)
SOC	2,4-D
SOC	Acrylamide
SOC	Alachlor
SOC	Atrazine
SOC	Benzo(a)pyrene (PAHs)
SOC	Carbofuran
SOC	Chlordane
SOC	Dalapon
SOC	Di(2-ethylhexyl) adipate
SOC	Di(2-ethylhexyl) phthalate
SOC	Dinoseb
SOC	Dioxin (2,3,7,8-TCDD)
SOC	Diquat
SOC	Endothall
SOC	Endrin
SOC	Epichlorohydrin
SOC	Ethylene dibromide
SOC	Glyphosate
SOC	Heptachlor
SOC	Heptachlor epoxide
SOC	Hexachlorobenzene
SOC	Hexachlorocyclopentadiene
SOC	Lindane
SOC	Methoxychlor
SOC	Oxamyl (Vydate)
SOC	Pentachlorophenol
SOC	Picloram
SOC	Polychlorinated biphenyls (PCBs)
SOC	Simazine
SOC	Toxaphene
VOC	1,1,1-Trichloroethane
VOC	1,1,2-Trichloroethane
VOC	1,1-Dichloroethylene
VOC	1,2,4-Trichlorobenzene
VOC	1,2-Dichloroethane
VOC	1,2-Dichloropropane
VOC	Benzene
VOC	Carbon tetrachloride
VOC	Chlorobenzene

Group	Contaminant
D	Chloramines (as Cl ₂)
D	Chlorine (as Cl ₂)
D	Chlorine dioxide (as ClO ₂)
DBP	Bromate
DBP	Chlorite
DBP	Haloacetic acids (HAA5)
DBP	Total Trihalomethanes (TTHMs)
IOC	Antimony - Metals
IOC ✓	Arsenic - Metals
IOC	Asbestos (fibers > 10 micrometers)
IOC	Barium - Metals
IOC	Beryllium - Metals
IOC	Cadmium - Metals
IOC	Chromium (total) - Metals
IOC	Copper - Metals
IOC	Cyanide (as free cyanide) - WC
IOC	Fluoride - WC
IOC	Lead - Metals
IOC	Mercury (inorganic) - Metals
IOC	Nitrate (measured as Nitrogen) - WC
IOC	Nitrite (measured as Nitrogen) - WC
IOC	Selenium - Metals
IOC	Thallium - Metals
M	Cryptosporidium
M	Giardia lamblia
M	Heterotrophic plate count (HPC)
M	Legionella
M	Total Coliforms (including fecal coliform and E. coli)
M	Turbidity
M	Viruses (enteric)
RAD	Alpha particles
RAD	Beta particles and photon emitters
RAD	Radium 226 and Radium 228 (combined)
RAD	Uranium
SEC	Aluminum - Metals
SEC	Chloride - WC
SEC	Color - WC
SEC	Copper - Metals
SEC	Corrosivity - WC
SEC	Fluoride - WC
SEC	Foaming Agents - WC (Surfactants)
SEC	Iron - Metals

VOC

IOC

SEC

3,4-dinitro-2-pyrene

VOC	cis-1,2-Dichloroethylene
VOC	Dichloromethane
VOC	Ethylbenzene
VOC	o-Dichlorobenzene
VOC	p-Dichlorobenzene
VOC	Styrene
VOC	Tetrachloroethylene
VOC	Toluene
VOC	trans-1,2-Dichloroethylene
VOC	Trichloroethylene
VOC	Vinyl chloride
VOC	Xylenes (total)

SEC ✓	Manganese - Metals
SEC ✓	Odor - WC
SEC ✓	pH - WC
SEC ✓	Silver - Metals
SEC	Sulfate - WC
SEC ✓	Total Dissolved Solids - WC
SEC	Zinc - Metals
SOC	1,2-Dibromo-3-chloropropane (DBCP)
SOC	2,4,5-TP (Silvex)
SOC	2,4-D
SOC	Acrylamide
SOC	Alachlor
SOC	Atrazine
SOC	Benzo(a)pyrene (PAHs)
SOC	Carbofuran
SOC	Chlordane
SOC	Dalapon
SOC	Di(2-ethylhexyl) adipate
SOC	Di(2-ethylhexyl) phthalate
SOC	Dinoseb
SOC	Dioxin (2,3,7,8-TCDD)
SOC	Diquat
SOC	Endothall
SOC	Endrin
SOC	Epichlorohydrin
SOC	Ethylene dibromide
SOC	Glyphosate
SOC	Heptachlor
SOC	Heptachlor epoxide
SOC	Hexachlorobenzene
SOC	Hexachlorocyclopentadiene
SOC	Lindane
SOC	Methoxychlor
SOC	Oxamyl (Vydate)
SOC	Pentachlorophenol
SOC	Picloram
SOC	Polychlorinated biphenyls (PCBs)
SOC	Simazine
SOC	Toxaphene
VOC	1,1,1-Trichloroethane
VOC	1,1,2-Trichloroethane
VOC	1,1-Dichloroethylene
VOC	1,2,4-Trichlorobenzene
VOC	1,2-Dichloroethane
VOC	1,2-Dichloropropane
VOC	Benzene
VOC	Carbon tetrachloride
VOC	Chlorobenzene

VOC	cis-1,2-Dichloroethylene
VOC	Dichloromethane
VOC	Ethylbenzene
VOC	o-Dichlorobenzene
VOC	p-Dichlorobenzene
VOC	Styrene
VOC	Tetrachloroethylene
VOC	Toluene
VOC	trans-1,2-Dichloroethylene
VOC	Trichloroethylene
VOC	Vinyl chloride
VOC	Xylenes (total)

Group	Contaminant
D	Chloramines (as Cl ₂)
D	Chlorine (as Cl ₂)
D	Chlorine dioxide (as ClO ₂)
DBP	Bromate
DBP	Chlorite
DBP	Haloacetic acids (HAA5)
DBP	Total Trihalomethanes (TTHMs)
IOC	Antimony - Metals
IOC ✓	Arsenic - Metals
IOC	Asbestos (fibers > 10 micrometers)
IOC	Barium - Metals
IOC	Beryllium - Metals
IOC	Cadmium - Metals
IOC	Chromium (total) - Metals
IOC	Copper - Metals
IOC	Cyanide (as free cyanide) - WC
IOC	Fluoride - WC
IOC	Lead - Metals
IOC	Mercury (inorganic) - Metals
IOC	Nitrate (measured as Nitrogen) - WC
IOC	Nitrite (measured as Nitrogen) - WC
IOC	Selenium - Metals
IOC	Thallium - Metals
M	Cryptosporidium
M	Giardia lamblia
M	Heterotrophic plate count (HPC)
M	Legionella
M	Total Coliforms (including fecal coliform and E. coli)
M	Turbidity
M	Viruses (enteric)
RAD	Alpha particles
RAD	Beta particles and photon emitters
RAD	Radium 226 and Radium 228 (combined)
RAD	Uranium
SEC	Aluminum - Metals
SEC	Chloride - WC
SEC	Color - WC
SEC	Copper - Metals
SEC	Corrosivity - WC
SEC	Fluoride - WC
SEC	Foaming Agents - WC (Surfactants)
SEC	Iron - Metals

VOC

IOC

SEC

Benzo-a-pyrone



806-797-4925 □ P.O. BOX 64489 □ LUBBOCK, TX 79464-4489
806-669-6821 □ P.O. BOX 2439 □ PAMPA, TX 79066-2439

April 17, 2008

ANALYSIS OF WATER SAMPLE

For Trace Analysis, Inc.

Sample Date 3/31/08
Sampled By Trace or Designate
Analysis Dates 4/17/08
Analysis By Neil Ray

Lab # 9262
Sample Id. Water
Trace: 155151-12

Odor^(a)
(ASTM D 1292)

No detectable Odor

Color^(b)
(APHA 2120 C)

3 HU

Comments:

(a) - Analyses was conducted on four sample aliquots and one blank; dilutions prepared with deionized water, corresponding to odor thresholds of 1, 4, 17, & 70 respectively. No odor was collectively determined from a panel of three testers. Only an extremely subtle smoky odor was noted by one observer prior to dilution.

(b) - Sample date exceeds hold time of 24 hours

Analysis By: Neil Ray

Distribution:

Trace Analysis
1-Liz Givens; Lubbock, TX
1-FAX to Liz @ (806) 794-1298