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Mark McNeal
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Steamboat Springs, CO 80487

LZ2408

WP-165 Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/10/08

Close Date: 11/24/08

Report Issued Date: 12/12/08

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December 12, 2008

Mark McNeal
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Enclosed is your final report for ERA's WP-165 WatR™Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-165 WatR™Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the most current National Environmental Laboratory Accreditation Conference (NELAC) PT Field of Testing tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the NELAC FoPT tables. If the analyte is not included in the NELAC FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have well over three hundred years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be helpful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-165 WatR™Pollution Proficiency Testing study. If you have any questions, please contact myself, or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.

Sincerely,

Shawn Kassner
Proficiency Testing Manager

Jay R. McBurney
Quality Program Manager

attachments
smk

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Report Recipient	Contact/Phone Number	Reporting Type
Arizona	Terry Norcop / 602-364-0720	All Analytes
Arkansas	Jane Hurley / 501-682-0938	All Analytes
Nevada	Sara Rairick / 775-687-9490	All Analytes
Oklahoma	David Caldwell / 405-702-1039	All Analytes
Utah	Kristin Brown / 801-538-9371	All Analytes
Washington	Connie Schreiber / 360-895-6145	All Analytes

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WP-165 Definitions & Study Discussion

Study Dates: 10/10/08 - 11/24/08

Report Issued: 12/12/08

WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current USEPA/NELAC FoPT tables. A parameter not added to the standard is given an Assigned Value of "0" per the guidelines contained in the USEPA's Criteria Document and NELAC standards.

The Acceptance Limits are established per the criteria contained in the most current USEPA/NELAC FoPT tables, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

Acceptable	= Reported Value falls within the Acceptance Limits.
Not Acceptable	= Reported Value falls outside the Acceptance Limits.
No Evaluation	= Reported Value cannot be evaluated.
Not Reported	= No Value reported.

The Method Description is the method the laboratory reported to ERA.

WP Study Discussion

ERA's WP-165 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the USEPA's National Standards for Water Proficiency Testing Studies Criteria Document (December 1998), and the criteria contained in the most current NELAC FoPT tables.

ERA's WP-165 WatR™Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the USEPA's National Criteria Document for Water Proficiency Testing Studies, December 1998, and the criteria contained in the most current NELAC FoPT tables.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.

ACCREDITED
Lab Code 1939-01

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Study: **WP-165**

ERA Customer Number: **A144801**

Laboratory Name: **ACZ Laboratories**

Inorganic Results

Mark McNeal
QA/QC Coordinator
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970-879-6590

EPA ID: CO00028
ERA Customer Number: A144801
Report Issued: 12/12/08
Study Dates: 10/10/08 - 11/24/08

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP pH							
0019	pH	S.U.	7.26	7.13	6.93 - 7.33	Acceptable	SM4500H+ B
WP Hardness							
0072	Non-Filterable Residue (TSS)	mg/L	46.0	52.7	41.2 - 60.1	Acceptable	SM2540D
0023	Calcium	mg/L	66.3	62.7	56.0 - 71.0	Acceptable	EPA 200.7
0024	Magnesium	mg/L	33.5	31.9	27.4 - 36.6	Acceptable	EPA 200.7
1550	Calcium Hardness as CaCO3	mg/L		156	139 - 177	Not Reported	
0022	Total Hardness as CaCO3	mg/L	304	288	253 - 328	Acceptable	SM2340B
WP Hardness							
0072	Non-Filterable Residue (TSS)	mg/L		52.7	41.2 - 60.1	Not Reported	
0023	Calcium	mg/L	66.0	62.7	56.0 - 71.0	Acceptable	EPA 6010B
0024	Magnesium	mg/L	33.4	31.9	27.4 - 36.6	Acceptable	EPA 6010B
1550	Calcium Hardness as CaCO3	mg/L		156	139 - 177	Not Reported	
0022	Total Hardness as CaCO3	mg/L		288	253 - 328	Not Reported	
WP Demand							
0038	BOD	mg/L	73.0	69.6	35.1 - 104	Acceptable	SM5210B
0102	CBOD	mg/L	55.0	59.9	26.9 - 93.0	Acceptable	SM5210B
0036	COD	mg/L	111	112	83.9 - 130	Acceptable	EPA 410.4
0037	TOC	mg/L	45.8	44.4	37.0 - 51.2	Acceptable	SM5310B
WP Simple Nutrients							
0031	Ammonia as N	mg/L	15.2	14.3	10.6 - 17.7	Acceptable	EPA 350.1
1820	Nitrate + Nitrite as N	mg/L	13.7	14.8	12.1 - 17.2	Acceptable	EPA 353.2
0032	Nitrate as N	mg/L	13.7	14.8	11.5 - 17.8	Acceptable	EPA 353.2
0033	ortho-Phosphate as P	mg/L	3.42	3.57	2.93 - 4.24	Acceptable	EPA 365.1
WP Complex Nutrients							
0034	Total Kjeldahl Nitrogen	mg/L	11.6	12.5	8.30 - 16.2	Acceptable	EPA 351.2
0035	Total phosphorus as P	mg/L	13.5	6.55	5.40 - 7.76	Not Acceptable	EPA 365.1
WP Total Cyanide							
0071	Cyanide, total	mg/L	.709	0.715	0.447 - 0.983	Acceptable	EPA 335.4
WP Total Cyanide							
0071	Cyanide, total	mg/L	.709	0.715	0.447 - 0.983	Acceptable	10-204-001-X
WP Total Phenolics (4-AAP)							
0097	Phenolics, total	mg/L	.783	0.788	0.430 - 1.14	Acceptable	420.4
WP Oil & Grease							
0104	Oil & Grease (Gravimetric)	mg/L	24.7	40.0	24.4 - 50.0	Acceptable	EPA 1664A
1860	Oil & Grease (Infrared)	mg/L		49.2	31.6 - 60.1	Not Reported	

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Trace Metals							
0001	Aluminum	µg/L	1580	1600	1310 - 1870	Acceptable	EPA 200.7
0016	Antimony	µg/L	224	217	144 - 265	Acceptable	EPA 200.7
0002	Arsenic	µg/L	248	250	207 - 295	Acceptable	EPA 200.7
1015	Barium	µg/L	2190	2180	1890 - 2460	Acceptable	EPA 200.7
0003	Beryllium	µg/L	732	738	628 - 833	Acceptable	EPA 200.7
1025	Boron	µg/L	1600	1600	1300 - 1860	Acceptable	EPA 200.7
0004	Cadmium	µg/L	642	632	539 - 717	Acceptable	EPA 200.7
0006	Chromium	µg/L	898	867	756 - 980	Acceptable	EPA 200.7
0005	Cobalt	µg/L	895	885	778 - 991	Acceptable	EPA 200.7
0007	Copper	µg/L	620	587	528 - 646	Acceptable	EPA 200.7
0008	Iron	µg/L	936	888	784 - 1000	Acceptable	EPA 200.7
0012	Lead	µg/L	1642	1590	1400 - 1770	Acceptable	EPA 200.7
0010	Manganese	µg/L	834	811	728 - 901	Acceptable	EPA 200.7
0074	Molybdenum	µg/L	317	322	271 - 370	Acceptable	EPA 200.7
0011	Nickel	µg/L	933	887	798 - 991	Acceptable	EPA 200.7
0013	Selenium	µg/L	234	228	178 - 265	Acceptable	EPA 200.7
0017	Silver	µg/L	510	506	434 - 580	Acceptable	EPA 200.7
0075	Strontium	µg/L	234	226	196 - 256	Acceptable	EPA 200.7
0018	Thallium	µg/L		478	382 - 576	Not Reported	
0014	Vanadium	µg/L	771	778	682 - 870	Acceptable	EPA 200.7
0015	Zinc	µg/L	1620	1530	1320 - 1750	Acceptable	EPA 200.7

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WP Trace Metals							
0001	Aluminum	µg/L	1417	1600	1310 - 1870	Acceptable	EPA 200.8
0016	Antimony	µg/L	223	217	144 - 265	Acceptable	EPA 200.8
0002	Arsenic	µg/L	237	250	207 - 295	Acceptable	EPA 200.8
1015	Barium	µg/L	1983	2180	1890 - 2460	Acceptable	EPA 200.8
0003	Beryllium	µg/L	673	738	628 - 833	Acceptable	EPA 200.8
1025	Boron	µg/L		1600	1300 - 1860	Not Reported	
0004	Cadmium	µg/L	555	632	539 - 717	Acceptable	EPA 200.8
0006	Chromium	µg/L	797	867	756 - 980	Acceptable	EPA 200.8
0005	Cobalt	µg/L	826	885	778 - 991	Acceptable	EPA 200.8
0007	Copper	µg/L	516	587	528 - 646	Not Acceptable	EPA 200.8
0008	Iron	µg/L		888	784 - 1000	Not Reported	
0012	Lead	µg/L	1387	1590	1400 - 1770	Not Acceptable	EPA 200.8
0010	Manganese	µg/L	786	811	728 - 901	Acceptable	EPA 200.8
0074	Molybdenum	µg/L	298	322	271 - 370	Acceptable	EPA 200.8
0011	Nickel	µg/L	788	887	798 - 991	Not Acceptable	EPA 200.8
0013	Selenium	µg/L	208	228	178 - 265	Acceptable	EPA 200.8
0017	Silver	µg/L	449	506	434 - 580	Acceptable	EPA 200.8
0075	Strontium	µg/L		226	196 - 256	Not Reported	
0018	Thallium	µg/L	422	478	382 - 576	Acceptable	EPA 200.8
0014	Vanadium	µg/L	690	778	682 - 870	Acceptable	EPA 200.8
0015	Zinc	µg/L	1476	1530	1320 - 1750	Acceptable	EPA 200.8

ACCREDITED Lab Code: 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Trace Metals							
0001	Aluminum	µg/L	1664	1600	1310 - 1870	Acceptable	EPA 6010B
0016	Antimony	µg/L	260	217	144 - 265	Acceptable	EPA 6010B
0002	Arsenic	µg/L	277	250	207 - 295	Acceptable	EPA 6010B
1015	Barium	µg/L	2244	2180	1890 - 2460	Acceptable	EPA 6010B
0003	Beryllium	µg/L	736	738	628 - 833	Acceptable	EPA 6010B
1025	Boron	µg/L	1610	1600	1300 - 1860	Acceptable	EPA 6010B
0004	Cadmium	µg/L	667	632	539 - 717	Acceptable	EPA 6010B
0006	Chromium	µg/L	884	867	756 - 980	Acceptable	EPA 6010B
0005	Cobalt	µg/L	986	885	778 - 991	Acceptable	EPA 6010B
0007	Copper	µg/L	605	587	528 - 646	Acceptable	EPA 6010B
0008	Iron	µg/L	902	888	784 - 1000	Acceptable	EPA 6010B
0012	Lead	µg/L	1620	1590	1400 - 1770	Acceptable	EPA 6010B
0010	Manganese	µg/L	874	811	728 - 901	Acceptable	EPA 6010B
0074	Molybdenum	µg/L	352	322	271 - 370	Acceptable	EPA 6010B
0011	Nickel	µg/L	963	887	798 - 991	Acceptable	EPA 6010B
0013	Selenium	µg/L	211	228	178 - 265	Acceptable	EPA 6010B
0017	Silver	µg/L	507	506	434 - 580	Acceptable	EPA 6010B
0075	Strontium	µg/L	249	226	196 - 256	Acceptable	EPA 6010B
0018	Thallium	µg/L		478	382 - 576	Not Reported	
0014	Vanadium	µg/L	769	778	682 - 870	Acceptable	EPA 6010B
0015	Zinc	µg/L	1620	1530	1320 - 1750	Acceptable	EPA 6010B

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Trace Metals							
0001	Aluminum	µg/L	1529	1600	1310 - 1870	Acceptable	EPA 6020
0016	Antimony	µg/L	252	217	144 - 265	Acceptable	EPA 6020
0002	Arsenic	µg/L	236	250	207 - 295	Acceptable	EPA 6020
1015	Barium	µg/L	1983	2180	1890 - 2460	Acceptable	EPA 6020
0003	Beryllium	µg/L	707	738	628 - 833	Acceptable	EPA 6020
1025	Boron	µg/L		1600	1300 - 1860	Not Reported	
0004	Cadmium	µg/L	573	632	539 - 717	Acceptable	EPA 6020
0006	Chromium	µg/L	818	867	756 - 980	Acceptable	EPA 6020
0005	Cobalt	µg/L	821	885	778 - 991	Acceptable	EPA 6020
0007	Copper	µg/L	533	587	528 - 646	Acceptable	EPA 6020
0008	Iron	µg/L		888	784 - 1000	Not Reported	
0012	Lead	µg/L	1488	1590	1400 - 1770	Acceptable	EPA 6020
0010	Manganese	µg/L	785	811	728 - 901	Acceptable	EPA 6020
0074	Molybdenum	µg/L	305	322	271 - 370	Acceptable	EPA 6020
0011	Nickel	µg/L	810	887	798 - 991	Acceptable	EPA 6020
0013	Selenium	µg/L	219	228	178 - 265	Acceptable	EPA 6020
0017	Silver	µg/L	480	506	434 - 580	Acceptable	EPA 6020
0075	Strontium	µg/L		226	196 - 256	Not Reported	
0018	Thallium	µg/L	447	478	382 - 576	Acceptable	EPA 6020
0014	Vanadium	µg/L	701	778	682 - 870	Acceptable	EPA 6020
0015	Zinc	µg/L	1448	1530	1320 - 1750	Acceptable	EPA 6020

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Trace Metals							
0001	Aluminum	µg/L		1600	1310 - 1870	Not Reported	
0016	Antimony	µg/L		217	144 - 265	Not Reported	
0002	Arsenic	µg/L		250	207 - 295	Not Reported	
1015	Barium	µg/L		2180	1890 - 2460	Not Reported	
0003	Beryllium	µg/L		738	628 - 833	Not Reported	
1025	Boron	µg/L		1600	1300 - 1860	Not Reported	
0004	Cadmium	µg/L		632	539 - 717	Not Reported	
0006	Chromium	µg/L		867	756 - 980	Not Reported	
0005	Cobalt	µg/L		885	778 - 991	Not Reported	
0007	Copper	µg/L		587	528 - 646	Not Reported	
0008	Iron	µg/L		888	784 - 1000	Not Reported	
0012	Lead	µg/L		1590	1400 - 1770	Not Reported	
0010	Manganese	µg/L		811	728 - 901	Not Reported	
0074	Molybdenum	µg/L		322	271 - 370	Not Reported	
0011	Nickel	µg/L		887	798 - 991	Not Reported	
0013	Selenium	µg/L	196	228	178 - 265	Acceptable	3114B
0017	Silver	µg/L		506	434 - 580	Not Reported	
0075	Strontium	µg/L		226	196 - 256	Not Reported	
0018	Thallium	µg/L		478	382 - 576	Not Reported	
0014	Vanadium	µg/L		778	682 - 870	Not Reported	
0015	Zinc	µg/L		1530	1320 - 1750	Not Reported	
WP Mercury							
0009	Mercury	µg/L	4.67	4.70	2.91 - 6.48	Acceptable	EPA 245.1
WP Mercury							
0009	Mercury	µg/L	4.87	4.70	2.91 - 6.48	Acceptable	EPA 7470A
WP Mercury							
0009	Mercury	µg/L	4.5	4.70	2.91 - 6.48	Acceptable	EPA 200.8
WP Minerals							
0027	Alkalinity as CaCO3	mg/L	31.9	32.9	27.6 - 39.2	Acceptable	SM2320B
0028	Chloride	mg/L	48.8	44.6	37.7 - 52.1	Acceptable	SM4500Cl- E
0020	Conductivity at 25°C	µmhos/cm	310	310	275 - 345	Acceptable	EPA 120.1
0029	Fluoride	mg/L	1.75	2.15	1.76 - 2.55	Not Acceptable	SM4500F- C
0026	Potassium	mg/L	30.5	29.9	24.7 - 35.6	Acceptable	EPA 200.7
0025	Sodium	mg/L	44.5	42.8	36.3 - 49.2	Acceptable	EPA 200.7
0030	Sulfate	mg/L	30.0	31.3	25.1 - 36.7	Acceptable	SM4500SO4- D
0021	Total Dissolved Solids at 180°C	mg/L	200	199	145 - 253	Acceptable	EPA 160.1
1950	Total Solids at 105°C	mg/L	190	208	172 - 243	Acceptable	EPA 160.3

ACCREDITED Lab Code: 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Minerals							
0027	Alkalinity as CaCO3	mg/L		32.9	27.6 - 39.2	Not Reported	
0028	Chloride	mg/L	44.9	44.6	37.7 - 52.1	Acceptable	EPA 300.0
0020	Conductivity at 25°C	µmhos/cm		310	275 - 345	Not Reported	
0029	Fluoride	mg/L	2.11	2.15	1.76 - 2.55	Acceptable	EPA 300.0
0026	Potassium	mg/L	30.8	29.9	24.7 - 35.6	Acceptable	EPA 6010B
0025	Sodium	mg/L	44.8	42.8	36.3 - 49.2	Acceptable	EPA 6010B
0030	Sulfate	mg/L	31.5	31.3	25.1 - 36.7	Acceptable	EPA 300.0
0021	Total Dissolved Solids at 180°C	mg/L		199	145 - 253	Not Reported	
1950	Total Solids at 105°C	mg/L		208	172 - 243	Not Reported	
WP Minerals							
0027	Alkalinity as CaCO3	mg/L		32.9	27.6 - 39.2	Not Reported	
0028	Chloride	mg/L		44.6	37.7 - 52.1	Not Reported	
0020	Conductivity at 25°C	µmhos/cm		310	275 - 345	Not Reported	
0029	Fluoride	mg/L		2.15	1.76 - 2.55	Not Reported	
0026	Potassium	mg/L		29.9	24.7 - 35.6	Not Reported	
0025	Sodium	mg/L		42.8	36.3 - 49.2	Not Reported	
0030	Sulfate	mg/L	31.8	31.3	25.1 - 36.7	Acceptable	EPA 375.4
0021	Total Dissolved Solids at 180°C	mg/L		199	145 - 253	Not Reported	
1950	Total Solids at 105°C	mg/L		208	172 - 243	Not Reported	
WP Hexavalent Chromium							
1045	Hexavalent Chromium	µg/L	120	131	102 - 157	Acceptable	SM3500Cr D
WP Nitrite							
1840	Nitrite as N	mg/L	2.4	2.45	2.07 - 2.83	Acceptable	EPA 353.2
WP Turbidity							
2055	Turbidity	NTU	4.13	4.44	3.62 - 5.21	Acceptable	EPA 180.1
WP Settleable Solids							
1965	Settleable Solids	mL/L	21.0	21.0	16.2 - 27.1	Acceptable	EPA 160.5
WP Tin & Titanium							
1175	Tin	µg/L	2330	2280	1800 - 2770	Acceptable	EPA 200.7
0076	Titanium	µg/L	211	216	186 - 243	Acceptable	EPA 200.7
WP Tin & Titanium							
1175	Tin	µg/L	2580	2280	1800 - 2770	Acceptable	EPA 6010B
0076	Titanium	µg/L	224	216	186 - 243	Acceptable	EPA 6010B
WP Volatile Solids							
1970	Volatile Solids	mg/L	196	265	212 - 301	Not Acceptable	EPA 160.4
WP Acidity							
1500	Acidity as CaCO3	mg/L	716	726	633 - 800	Acceptable	SM2310B

ACCREDITED Lab Code 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Bromide							
1540	Bromide	mg/L	7.4	8.37	7.11 - 9.62	Acceptable	EPA 300.0
WP Silica							
1990	Silica as SiO2	mg/L	132	124	93.0 - 155	Acceptable	EPA 200.7
WP Silica							
1990	Silica as SiO2	mg/L	126	124	93.0 - 155	Acceptable	EPA 6010B
WP Low-Level Mercury							
1095	Low Level Mercury	ng/L	65.5	63.5	48.9 - 78.1	Acceptable	EPA 1631E

ENVIRONMENTAL
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Study: **WP-165**

ERA Customer Number: **A144801**

Laboratory Name: **ACZ Laboratories**

Organic Results

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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Volatiles							
4315	Acetone	µg/L	< 30	0.00		Acceptable	EPA 8260B
4320	Acetonitrile	µg/L		0.00		Not Reported	
4325	Acrolein	µg/L		0.00		Not Reported	
4340	Acrylonitrile	µg/L	< 40	0.00		Acceptable	EPA 8260B
0065	Benzene	µg/L	8.2	8.28	4.86 - 11.8	Acceptable	EPA 8260B
0060	Bromodichloromethane	µg/L	< 10	78.3	55.6 - 106	Not Acceptable	EPA 8260B
0062	Bromoform	µg/L	63.8	84.4	54.9 - 117	Acceptable	EPA 8260B
4950	Bromomethane	µg/L	30.8	32.0	12.8 - 51.2	Acceptable	EPA 8260B
4410	2-Butanone (MEK)	µg/L	< 30	0.00		Acceptable	EPA 8260B
5000	tert-Butyl methyl ether (MTBE)	µg/L	73.0	74.1	47.1 - 104	Acceptable	EPA 8260B
4450	Carbon disulfide	µg/L	< 10	0.00		Acceptable	EPA 8260B
0058	Carbon tetrachloride	µg/L	66.2	79.0	43.0 - 108	Acceptable	EPA 8260B
0064	Chlorobenzene	µg/L	80.3	88.3	63.7 - 110	Acceptable	EPA 8260B
0061	Chlorodibromomethane	µg/L	64.0	71.1	48.7 - 94.4	Acceptable	EPA 8260B
4485	Chloroethane	µg/L	< 10	0.00		Acceptable	EPA 8260B
4500	2-Chloroethylvinylether	µg/L	< 30	0.00		Acceptable	EPA 8260B
0055	Chloroform	µg/L	29.1	28.6	19.7 - 37.7	Acceptable	EPA 8260B
4960	Chloromethane	µg/L	27.3	27.7	11.1 - 44.3	Acceptable	EPA 8260B
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L	< 10	0.00		Acceptable	EPA 8260B
4585	1,2-Dibromoethane (EDB)	µg/L	< 10	0.00		Acceptable	EPA 8260B
4595	Dibromomethane	µg/L	< 10	0.00		Acceptable	EPA 8260B
0094	1,2-Dichlorobenzene	µg/L	20.2	23.5	15.8 - 30.9	Acceptable	EPA 8260B
0096	1,3-Dichlorobenzene	µg/L	14.7	19.1	12.2 - 24.9	Acceptable	EPA 8260B
0095	1,4-Dichlorobenzene	µg/L	29.4	36.3	24.3 - 46.3	Acceptable	EPA 8260B
4625	Dichlorodifluoromethane (Freon 12)	µg/L	< 20	0.00		Acceptable	EPA 8260B
4630	1,1-Dichloroethane	µg/L	91.9	94.2	65.1 - 129	Acceptable	EPA 8260B
0054	1,2-Dichloroethane	µg/L	42.5	45.2	31.4 - 59.8	Acceptable	EPA 8260B
4640	1,1-Dichloroethylene	µg/L	< 10	0.00		Acceptable	EPA 8260B
4645	cis-1,2-Dichloroethylene	µg/L	< 10	0.00		Acceptable	EPA 8260B
4700	trans-1,2-Dichloroethylene	µg/L	12.9	14.3	6.44 - 22.7	Acceptable	EPA 8260B
4655	1,2-Dichloropropane	µg/L	< 10	0.00		Acceptable	EPA 8260B
4680	cis-1,3-Dichloropropylene	µg/L	< 10	0.00		Acceptable	EPA 8260B

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Report Issued: 12/12/08
Study Dates: 10/10/08 - 11/24/08

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Volatiles (Continued)							
4685	trans-1,3-Dichloropropylene	µg/L	< 10	0.00		Acceptable	EPA 8260B
0066	Ethylbenzene	µg/L	63.7	80.2	55.4 - 102	Acceptable	EPA 8260B
4835	Hexachlorobutadiene	µg/L	21.3	55.6	5.56 - 70.3	Acceptable	EPA 8260B
4860	2-Hexanone	µg/L	< 30	0.00		Acceptable	EPA 8260B
0063	Methylene chloride	µg/L	66.6	65.6	40.2 - 91.3	Acceptable	EPA 8260B
4995	4-Methyl-2-pentanone (MIBK)	µg/L	< 50	0.00		Acceptable	EPA 8260B
5005	Naphthalene	µg/L	56.1	81.5	22.5 - 98.2	Acceptable	EPA 8260B
5100	Styrene	µg/L	46.6	62.6	40.1 - 85.5	Acceptable	EPA 8260B
5105	1,1,1,2-Tetrachloroethane	µg/L	< 10	0.00		Acceptable	EPA 8260B
5110	1,1,2,2-Tetrachloroethane	µg/L	60.4	57.8	33.1 - 85.4	Acceptable	EPA 8260B
0059	Tetrachloroethylene	µg/L	20.0	26.9	14.2 - 35.4	Acceptable	EPA 8260B
0067	Toluene	µg/L	59.8	65.3	45.3 - 81.7	Acceptable	EPA 8260B
5155	1,2,4-Trichlorobenzene	µg/L	43.6	67.6	13.9 - 82.7	Acceptable	EPA 8260B
0056	1,1,1-Trichloroethane	µg/L	18.2	21.0	13.3 - 28.4	Acceptable	EPA 8260B
5165	1,1,2-Trichloroethane	µg/L	< 10	0.00		Acceptable	EPA 8260B
0057	Trichloroethylene	µg/L	71.8	79.5	50.5 - 103	Acceptable	EPA 8260B
5175	Trichlorofluoromethane	µg/L	< 10	0.00		Acceptable	EPA 8260B
5180	1,2,3-Trichloropropane (TCP)	µg/L	< 10	0.00		Acceptable	EPA 8260B
5225	Vinyl acetate	µg/L	< 10	0.00		Acceptable	EPA 8260B
5235	Vinyl chloride	µg/L	< 10	0.00		Acceptable	EPA 8260B
5260	Xylenes, total	µg/L	< 10	0.00		Acceptable	EPA 8260B

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WP Base/Neutrals							
5500	Acenaphthene	µg/L	32.8	44.8	18.8 - 54.8	Acceptable	EPA 8270C
5505	Acenaphthylene	µg/L	18.6	28.2	10.4 - 36.0	Acceptable	EPA 8270C
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/L		0.00		Not Reported	
5545	Aniline	µg/L	< 20	0.00		Acceptable	EPA 8270C
5555	Anthracene	µg/L	< 10	0.00		Acceptable	EPA 8270C
5595	Benzidine	µg/L		0.00		Not Reported	
5575	Benzo(a)anthracene	µg/L	48.4	59.4	26.8 - 75.6	Acceptable	EPA 8270C
5585	Benzo(b)fluoranthene	µg/L	< 10	0.00		Acceptable	EPA 8270C
5600	Benzo(k)fluoranthene	µg/L	22.8	29.1	6.29 - 45.6	Acceptable	EPA 8270C
5590	Benzo(g,h,i)perylene	µg/L	22.8	29.3	7.10 - 43.1	Acceptable	EPA 8270C
5580	Benzo(a)pyrene	µg/L	16.4	28.5	8.89 - 38.6	Acceptable	EPA 8270C
5630	Benzyl alcohol	µg/L	< 10	0.00		Acceptable	EPA 8270C
5660	4-Bromophenyl-phenylether	µg/L	76.5	89.9	29.6 - 121	Acceptable	EPA 8270C
5670	Butylbenzylphthalate	µg/L	95.5	104	18.7 - 149	Acceptable	EPA 8270C
5680	Carbazole	µg/L		0.00		Not Reported	
5745	4-Chloroaniline	µg/L	< 10	0.00		Acceptable	EPA 8270C
5760	bis(2-Chloroethoxy)methane	µg/L	78.0	103	40.7 - 122	Acceptable	EPA 8270C
5765	bis(2-Chloroethyl)ether	µg/L	73.9	98.0	26.8 - 120	Acceptable	EPA 8270C
5780	bis(2-Chloroisopropyl)ether	µg/L	< 10	0.00		Acceptable	EPA 8270C
5790	1-Chloronaphthalene	µg/L		0.00		Not Reported	
5795	2-Chloronaphthalene	µg/L	33.6	47.6	14.1 - 58.5	Acceptable	EPA 8270C
5825	4-Chlorophenyl-phenylether	µg/L	173	192	71.4 - 237	Acceptable	EPA 8270C
5855	Chrysene	µg/L	22.3	30.4	12.9 - 42.3	Acceptable	EPA 8270C
5895	Dibenz(a,h)anthracene	µg/L	< 10	22.0	5.54 - 33.5	Not Acceptable	EPA 8270C
5905	Dibenzofuran	µg/L	88.7	104	36.3 - 129	Acceptable	EPA 8270C
5925	Di-n-butylphthalate	µg/L	58.0	67.9	22.8 - 91.6	Acceptable	EPA 8270C
4610	1,2-Dichlorobenzene	µg/L	< 10	0.00		Acceptable	EPA 8270C
4615	1,3-Dichlorobenzene	µg/L	26.4	38.5	5.45 - 47.2	Acceptable	EPA 8270C
4620	1,4-Dichlorobenzene	µg/L	29.1	42.6	4.26 - 54.7	Acceptable	EPA 8270C
5945	3,3'-Dichlorobenzidine	µg/L	< 20	0.00		Acceptable	EPA 8270C
6070	Diethylphthalate	µg/L	88.2	98.4	17.7 - 136	Acceptable	EPA 8270C
6135	Dimethylphthalate	µg/L	95.3	110	11.0 - 160	Acceptable	EPA 8270C

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WP Base/Neutrals (Continued)							
6185	2,4-Dinitrotoluene	µg/L	< 10	0.00		Acceptable	EPA 8270C
6190	2,6-Dinitrotoluene	µg/L	< 50	0.00		Acceptable	EPA 8270C
6200	Di-n-octylphthalate	µg/L	32.9	40.0	14.0 - 61.8	Acceptable	EPA 8270C
6255	bis(2-Ethylhexyl)phthalate	µg/L	185	117	34.5 - 160	Not Acceptable	EPA 8270C
6265	Fluoranthene	µg/L	119	134	58.7 - 159	Acceptable	EPA 8270C
6270	Fluorene	µg/L	< 10	0.00		Acceptable	EPA 8270C
6275	Hexachlorobenzene	µg/L	96.6	113	49.3 - 138	Acceptable	EPA 8270C
4835	Hexachlorobutadiene	µg/L	124	156	19.4 - 182	Acceptable	EPA 8270C
6285	Hexachlorocyclopentadiene	µg/L	58.7	113	11.3 - 148	Acceptable	EPA 8270C
4840	Hexachloroethane	µg/L	56.4	76.6	7.87 - 91.0	Acceptable	EPA 8270C
6315	Indeno(1,2,3-cd)pyrene	µg/L	< 10	0.00		Acceptable	EPA 8270C
6320	Isophorone	µg/L	< 10	0.00		Acceptable	EPA 8270C
6385	2-Methylnaphthalene	µg/L	65.5	87.0	16.6 - 103	Acceptable	EPA 8270C
5005	Naphthalene	µg/L	37.8	53.7	16.0 - 66.5	Acceptable	EPA 8270C
6460	2-Nitroaniline	µg/L	< 50	0.00		Acceptable	EPA 8270C
6465	3-Nitroaniline	µg/L	< 50	0.00		Acceptable	EPA 8270C
6470	4-Nitroaniline	µg/L	< 50	0.00		Acceptable	EPA 8270C
5015	Nitrobenzene	µg/L	109	140	43.3 - 169	Acceptable	EPA 8270C
6525	N-Nitrosodiethylamine	µg/L		0.00		Not Reported	
6530	N-Nitrosodimethylamine	µg/L	115	143	14.3 - 168	Acceptable	EPA 8270C
6535	N-Nitrosodiphenylamine	µg/L	< 10	0.00		Acceptable	EPA 8270C
6545	N-Nitroso-di-n-propylamine	µg/L	95.3	114	34.6 - 144	Acceptable	EPA 8270C
6590	Pentachlorobenzene	µg/L		0.00		Not Reported	
6615	Phenanthrene	µg/L	< 10	0.00		Acceptable	EPA 8270C
6665	Pyrene	µg/L	36.4	46.1	15.0 - 65.9	Acceptable	EPA 8270C
5095	Pyridine	µg/L		0.00		Not Reported	
6715	1,2,4,5-Tetrachlorobenzene	µg/L		0.00		Not Reported	
5155	1,2,4-Trichlorobenzene	µg/L	90.7	121	27.0 - 144	Acceptable	EPA 8270C

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WP Acids							
5610	Benzoic acid	µg/L	< 50	0.00		Acceptable	EPA 8270C
5700	4-Chloro-3-methylphenol	µg/L	173	196	77.7 - 252	Acceptable	EPA 8270C
5800	2-Chlorophenol	µg/L	138	154	43.6 - 193	Acceptable	EPA 8270C
6000	2,4-Dichlorophenol	µg/L	91.8	105	33.6 - 130	Acceptable	EPA 8270C
6005	2,6-Dichlorophenol	µg/L		73.3	23.7 - 93.5	Not Reported	
6130	2,4-Dimethylphenol	µg/L	77.5	92.0	18.9 - 121	Acceptable	EPA 8270C
6360	4,6-Dinitro-2-methylphenol	µg/L	114	132	45.2 - 187	Acceptable	EPA 8270C
6175	2,4-Dinitrophenol	µg/L	94.9	133	13.3 - 184	Acceptable	EPA 8270C
6400	2-Methylphenol	µg/L	89.6	102	19.2 - 126	Acceptable	EPA 8270C
6410	4-Methylphenol	µg/L	58.3	69.7	6.97 - 92.0	Acceptable	EPA 8270C
6490	2-Nitrophenol	µg/L	63.1	72.0	20.2 - 91.6	Acceptable	EPA 8270C
6500	4-Nitrophenol	µg/L	95.6	109	10.9 - 148	Acceptable	EPA 8270C
6605	Pentachlorophenol	µg/L	121	125	33.2 - 173	Acceptable	EPA 8270C
6625	Phenol	µg/L	150	186	18.6 - 248	Acceptable	EPA 8270C
6735	2,3,4,6-Tetrachlorophenol	µg/L		167	37.6 - 225	Not Reported	
6835	2,4,5-Trichlorophenol	µg/L	144	146	50.8 - 185	Acceptable	EPA 8270C
6840	2,4,6-Trichlorophenol	µg/L	135	139	44.4 - 173	Acceptable	EPA 8270C
WP Gasoline Range Organics (GRO) in Water							
9408	Gasoline Range Organics (GRO)	µg/L	2307	2840	1100 - 5010	Acceptable	EPA 8015B
4375	Benzene in GRO	µg/L		22.9	9.90 - 38.4	Not Reported	
4765	Ethylbenzene in GRO	µg/L		118	68.1 - 163	Not Reported	
5140	Toluene in GRO	µg/L		452	244 - 602	Not Reported	
5260	Xylenes, total in GRO	µg/L		655	374 - 884	Not Reported	
WP Diesel Range Organics (DRO) in Water							
9369	Diesel Range Organics (DRO)	µg/L	2090	2350	545 - 3060	Acceptable	EPA 8015B
WP BTEX & MTBE in Water							
4375	Benzene	µg/L	53.9	59.5	43.0 - 75.5	Acceptable	EPA 8021B
5000	tert-Butyl methyl ether (MTBE)	µg/L	69.1	66.2	41.9 - 92.9	Acceptable	EPA 8021B
4765	Ethylbenzene	µg/L	76.4	86.5	59.8 - 109	Acceptable	EPA 8021B
5140	Toluene	µg/L	7.77	8.74	6.14 - 11.8	Acceptable	EPA 8021B
5260	Xylenes, total	µg/L	54.1	57.8	32.5 - 79.6	Acceptable	EPA 8021B