



A Waters Company

Thekkekalathil Madhavan Chandrasekhar
State of Florida DEP Chemistry Laboratory
2600 Blair Stone Road
Room A416D, MS6512
Tallahassee, FL 32399-2400
USA

WP-243



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 04/13/15

Close Date: 05/28/15

Report Issued Date: 06/01/15



A Waters Company

June 1, 2015

Thekkekalathil Madhavan Chandrasekhar
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Enclosed is your final report for ERA's WP-243 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-243 WatR™ Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the current TNI Fields of Proficiency Testing (FoPT) tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the current TNI FoPT tables. If the analyte is not included in the TNI 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 many 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 useful in helping you work through your technical issues.

At the request of the TNI Accreditation Council, we have included a Laboratory Exception Report that includes a list of all analytes reported with less than qualifiers when the assigned value was greater than "0." In addition, because we have received many requests from laboratories, this report also includes a list of all analytes with "Not Acceptable" evaluations.

Some states have elected not to convert to the 2009 TNI Standards at this time. If you have released your results to a state that has retained the 2003 NELAC Evaluation Criteria, your final report will include a section that evaluates the results according to the 2003 Standard in addition to the 2009 TNI Standards.

Thank you for your participation in ERA's WP-243 WatR™ Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

Kristina Sanchez
Quality Officer

attachments



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Report Recipient	Contact/Phone Number	Reporting Type	Evaluation Type
Florida	Steve Arms / 904-791-1502	All Analytes	2009 TNI



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WP-243 Definitions & Study Discussion

Study Dates: 04/13/15 - 05/28/15

Report Issued: 06/01/15

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 TNI Fields of Proficiency Testing (FoPT) tables. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2009 TNI Standards. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT 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-243 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2009 TNI PT Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) tables.

ERA's WP-243 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 2009 TNI PT Standard and the criteria contained in the most current TNI 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.

ERA's WP-243 WatR™Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.





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WP-243 Laboratory Exception Report

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2009 TNI Evaluation Checks

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
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WP Volatiles (cat# 830)

4315	Acetone	µg/L	< 5.00	23.4	4.83 - 43.8	Acceptable	EPA 8260C 2006
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2009 TNI Not Acceptable Evaluations

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
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WP Low-Level PAHs (cat# 836)

5575	Benzo(a)anthracene	µg/L	2.14	3.36	2.25 - 3.76	Not Acceptable	EPA 8270D 2007
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All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Final Report Results For Laboratory State of Florida DEP Chemistry Laboratory

2009 TNI Evaluation Report

Study: **WP-243**

ERA Customer Number: **S744803**

Laboratory Name: **State of Florida DEP
Chemistry Laboratory**

Inorganic Results





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WP-243 2009 TNI Evaluation Final Complete Report

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TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description	Analysis Date	Z Score	Study Mean	Study Standard Deviation	Analyst Name
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WP Minerals (cat# 581)

1505	Alkalinity as CaCO ₃	mg/L	52.6	54.0	45.9 - 62.1	Acceptable	SM2320B online	5/7/2015	-0.726	54.3	2.31	SIMMONS_D
1575	Chloride	mg/L	42.9	45.0	38.9 - 51.3	Acceptable	EPA 300.0 2.1 1993	5/7/2015	-0.632	44.2	2.11	DEARMAN_G
1610	Conductivity at 25°C	µmhos/cm	330	326	293 - 359	Acceptable	EPA 120.1 1982	5/7/2015	-0.341	333	8.49	SIMMONS_D
1730	Fluoride	mg/L	1.81	1.82	1.44 - 2.14	Acceptable	SM4500F- C online	5/8/2015	0.397	1.76	0.130	SIMMONS_D
1125	Potassium	mg/L	26.3	27.0	21.6 - 32.4	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.00716	26.3	1.38	AYRES_J
1155	Sodium	mg/L	52.0	52.7	42.2 - 63.2	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.146	52.4	2.90	AYRES_J
2000	Sulfate	mg/L	27.5	28.6	23.0 - 33.1	Acceptable	EPA 300.0 2.1 1993	5/7/2015	0.0859	27.3	1.81	DEARMAN_G
1955	Total Dissolved Solids at 180°C	mg/L	234	247	202 - 292	Acceptable	SM2540C online	5/8/2015	-0.334	240	17.7	LI_Y
1950	Total Solids at 105°C	mg/L		253	208 - 298	Not Reported				249	14.3	

WP Hardness (cat# 580)

1960	Total Suspended Solids	mg/L	50.4	60.6	48.1 - 68.5	Acceptable	SM 2540 D-1997 1997	5/11/2015	-1.68	56.5	3.62	FEIZI_S
1035	Calcium	mg/L	64.5	63.5	54.0 - 73.0	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.371	63.4	2.97	AYRES_J
1085	Magnesium	mg/L	22.0	21.9	18.6 - 25.2	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.319	21.7	1.05	AYRES_J
1550	Calcium Hardness as CaCO ₃	mg/L		158	134 - 182	Not Reported				157	6.53	
1755	Total Hardness as CaCO ₃	mg/L	252	249	212 - 286	Acceptable	SM2340B online	4/29/2015	0.717	245	9.51	AYRES_J

WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L	9.77	9.93	7.90 - 11.9	Acceptable	EPA 350.1 2 1993	5/7/2015	-0.392	10.0	0.593	TURNER_D
1820	Nitrate + Nitrite as N	mg/L	4.94	4.97	4.07 - 5.83	Acceptable	EPA 353.2 2 1993	5/6/2015	-0.0316	4.95	0.229	KAUS_P
1810	Nitrate as N	mg/L	5.05	4.97	4.01 - 5.90	Acceptable	EPA 300.0 2.1 1993	5/6/2015	0.460	4.94	0.236	DEARMAN_G
1870	ortho-Phosphate as P	mg/L	1.17	1.15	0.978 - 1.32	Acceptable	EPA 365.1 2 1993	5/6/2015	0.287	1.15	0.0662	WERTH_B



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

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WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L		9.93	7.90 - 11.9	Not Reported				10.0	0.593	
1820	Nitrate + Nitrite as N	mg/L		4.97	4.07 - 5.83	Not Reported				4.95	0.229	
1810	Nitrate as N	mg/L	4.94	4.97	4.01 - 5.90	Acceptable	EPA 353.2 2 1993	5/7/2015	-0.00615	4.94	0.236	LOMASNEY_A
1870	ortho-Phosphate as P	mg/L		1.15	0.978 - 1.32	Not Reported				1.15	0.0662	

WP Complex Nutrients (cat# 579)

1795	Total Kjeldahl Nitrogen	mg/L	8.46	8.03	5.81 - 10.2	Acceptable	EPA 351.2 2 1993	5/8/2015	0.460	8.17	0.640	WERTH_B
1910	Total phosphorus as P	mg/L	1.13	1.09	0.849 - 1.33	Acceptable	EPA 365.1 2 1993	5/7/2015	0.490	1.10	0.0622	SAHA_L

WP Nitrite (cat# 888)

1840	Nitrite as N	mg/L	2.45	2.41	2.06 - 2.76	Acceptable	EPA 353.2 2 1993	5/7/2015	0.159	2.43	0.116	JACKSON_R
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WP Demand (cat# 578)

1530	BOD	mg/L	57.0	85.5	45.7 - 125	Acceptable	SM 5210 B-2001 2001	5/7/2015	-2.48	87.5	12.3	WOODS_J
1555	CBOD	mg/L	64.0	77.5	35.6 - 119	Acceptable	SM 5210 B-2001 2001	5/7/2015	-1.16	80.2	13.9	WOODS_J
1565	COD	mg/L		139	109 - 164	Not Reported				136	8.22	
2040	TOC	mg/L	54.5	55.0	45.9 - 63.6	Acceptable	SM 5310 B-2000 2000	5/7/2015	-0.167	54.9	2.54	HUA_P

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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	767	716	578 - 848	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.795	731	45.3	AYRES_J
1005	Antimony	µg/L	509	553	448 - 641	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-1.08	550	38.2	AYRES_J
1010	Arsenic	µg/L	814	823	698 - 937	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.0842	811	39.1	AYRES_J
1015	Barium	µg/L	519	526	447 - 605	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.314	528	27.9	AYRES_J
1020	Beryllium	µg/L	441	443	377 - 509	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.114	444	22.3	AYRES_J
1025	Boron	µg/L	1240	1310	1110 - 1510	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-1.16	1320	68.0	AYRES_J
1030	Cadmium	µg/L	192	196	167 - 225	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.315	195	10.1	AYRES_J
1040	Chromium	µg/L	258	256	218 - 294	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.212	255	12.3	AYRES_J
1050	Cobalt	µg/L	287	271	230 - 312	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.171	285	13.4	AYRES_J
1055	Copper	µg/L	487	479	407 - 551	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.276	481	23.5	AYRES_J
1070	Iron	µg/L	1060	996	847 - 1150	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.693	1010	67.3	AYRES_J
1075	Lead	µg/L	819	842	716 - 968	Acceptable	EPA 200.7 4.4 1994	4/30/2015	-0.631	846	42.6	AYRES_J
1090	Manganese	µg/L	1930	1900	1620 - 2180	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.261	1950	92.2	AYRES_J
1100	Molybdenum	µg/L	232	234	199 - 267	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.0767	233	12.2	AYRES_J
1105	Nickel	µg/L	1410	1450	1280 - 1620	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.317	1430	73.3	AYRES_J
1140	Selenium	µg/L	699	768	653 - 883	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-1.41	763	45.3	AYRES_J
1150	Silver	µg/L	276	287	244 - 330	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.670	286	15.5	AYRES_J
1160	Strontium	µg/L	305	305	259 - 351	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.111	307	16.4	AYRES_J
1165	Thallium	µg/L	311	316	255 - 371	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.322	317	19.4	AYRES_J
1185	Vanadium	µg/L	654	666	566 - 766	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-0.327	664	29.0	AYRES_J



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

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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	898	909	773 - 1050	Acceptable	EPA 200.7 4.4 1994	4/30/2015	-0.257	911	49.4	AYRES_J
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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	723	716	578 - 848	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-0.177	731	45.3	PETERSON_C
1005	Antimony	µg/L	519	553	448 - 641	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-0.814	550	38.2	PETERSON_C
1010	Arsenic	µg/L	785	823	698 - 937	Acceptable	EPA 200.8 5.4 1994	5/14/2015	-0.658	811	39.1	PETERSON_C
1015	Barium	µg/L	487	526	447 - 605	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.46	528	27.9	PETERSON_C
1020	Beryllium	µg/L	432	443	377 - 509	Acceptable	EPA 200.8 5.4 1994	4/30/2015	-0.517	444	22.3	PETERSON_C
1025	Boron	µg/L		1310	1110 - 1510	Not Reported				1320	68.0	
1030	Cadmium	µg/L	184	196	167 - 225	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.11	195	10.1	PETERSON_C
1040	Chromium	µg/L	247	256	218 - 294	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-0.679	255	12.3	PETERSON_C
1050	Cobalt	µg/L	278	271	230 - 312	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-0.502	285	13.4	PETERSON_C
1055	Copper	µg/L	457	479	407 - 551	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.00	481	23.5	PETERSON_C
1070	Iron	µg/L		996	847 - 1150	Not Reported				1010	67.3	
1075	Lead	µg/L	801	842	716 - 968	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.05	846	42.6	PETERSON_C
1090	Manganese	µg/L	1900	1900	1620 - 2180	Acceptable	EPA 200.8 5.4 1994	5/1/2015	-0.586	1950	92.2	PETERSON_C
1100	Molybdenum	µg/L	237	234	199 - 267	Acceptable	EPA 200.8 5.4 1994	4/29/2015	0.332	233	12.2	PETERSON_C
1105	Nickel	µg/L	1410	1450	1280 - 1620	Acceptable	EPA 200.8 5.4 1994	5/1/2015	-0.317	1430	73.3	PETERSON_C
1140	Selenium	µg/L	712	768	653 - 883	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.13	763	45.3	PETERSON_C
1150	Silver	µg/L	270	287	244 - 330	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-1.06	286	15.5	PETERSON_C
1160	Strontium	µg/L		305	259 - 351	Not Reported				307	16.4	
1165	Thallium	µg/L	317	316	255 - 371	Acceptable	EPA 200.8 5.4 1994	5/1/2015	-0.0120	317	19.4	PETERSON_C
1185	Vanadium	µg/L		666	566 - 766	Not Reported				664	29.0	



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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	887	909	773 - 1050	Acceptable	EPA 200.8 5.4 1994	4/29/2015	-0.480	911	49.4	PETERSON_C
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WP Mercury (cat# 574)

1095	Mercury	µg/L	2.91	3.02	2.11 - 3.93	Acceptable	EPA 245.1 3 1994	5/5/2015	-0.679	3.11	0.289	TOPOLSKI_B
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WP Low-Level Mercury (cat# 896)

1095	Low Level Mercury	ng/L	95.1	94.9	74.2 - 114	Acceptable	EPA 1631E 2002	4/17/2015	-0.232	97.2	8.98	TOPOLSKI_B
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WP Tin & Titanium (cat# 573)

1175	Tin	µg/L	1340	1310	917 - 1700	Acceptable	EPA 200.7 4.4 1994	4/29/2015	0.189	1320	105	AYRES_J
1180	Titanium	µg/L	142	148	126 - 170	Acceptable	EPA 200.7 4.4 1994	4/29/2015	-1.06	149	6.88	AYRES_J

WP Color (cat# 882)

1605	Color	PC units	34.0	35.0	22.6 - 44.9	Acceptable	SM2120B online	5/11/2015	0.181	33.3	3.66	JACKSON_R
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WP Turbidity (cat# 893)

2055	Turbidity	NTU	6.57	6.63	5.20 - 8.04	Acceptable	EPA 180.1 2 1993	5/11/2015	-0.149	6.63	0.395	FACH_B
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WP Total Cyanide (cat# 588)

1645	Cyanide, total	mg/L	0.474	0.499	0.324 - 0.674	Acceptable	EPA 335.4 1993	5/12/2015	-0.417	0.500	0.0623	BROWN_V
1510	Amenable Cyanide	mg/L		0.292	0.190 - 0.394	Not Reported				0.311	0.0764	

WP Silica (cat# 890)

1990	Silica as SiO ₂	mg/L	168	155	116 - 194	Acceptable	EPA 200.7 4.4 1994	4/29/2015	1.80	149	10.4	AYRES_J
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2009 TNI Evaluation Report

Study: **WP-243**

ERA Customer Number: **S744803**

Laboratory Name: **State of Florida DEP
Chemistry Laboratory**

Organic Results





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WP-243 2009 TNI Evaluation Final Complete Report

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WP Volatiles (cat# 830)

4315	Acetone	µg/L		23.4	4.83 - 43.8	Not Reported				22.5	4.49	
4320	Acetonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4325	Acrolein	µg/L	< 1.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	5/7/2015				BERA_G
4340	Acrylonitrile	µg/L	< 1.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	5/7/2015				BERA_G
4375	Benzene	µg/L		18.9	13.2 - 24.6	Not Reported				18.8	1.81	
4385	Bromobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4390	Bromochloromethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4395	Bromodichloromethane	µg/L		57.7	34.6 - 80.8	Not Reported				58.0	5.15	
4400	Bromoform	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4950	Bromomethane	µg/L		29.7	11.9 - 47.5	Not Reported				25.5	5.72	
4410	2-Butanone (MEK)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4435	n-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4440	sec-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4445	tert-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5000	tert-Butyl methyl ether (MTBE)	µg/L		31.9	20.7 - 43.8	Not Reported				32.6	2.78	
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		< 7.70	0.00 - 7.70	Not Reported						
4475	Chlorobenzene	µg/L		61.3	42.9 - 79.7	Not Reported				60.5	5.42	
4575	Chlorodibromomethane	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4485	Chloroethane	µg/L		30.3	12.1 - 48.5	Not Reported				29.1	3.77	



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WP Volatiles (cat# 830) (Continued)

4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4960	Chloromethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
4535	2-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4540	4-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		< 9.00	0.00 - 9.00	Not Reported						
4585	1,2-Dibromoethane (EDB)	µg/L		27.9	18.1 - 37.7	Not Reported				27.7	2.08	
4595	Dibromomethane	µg/L		15.9	10.3 - 21.5	Not Reported				16.1	1.62	
4610	1,2-Dichlorobenzene	µg/L		52.8	37.0 - 68.6	Not Reported				51.1	5.46	
4615	1,3-Dichlorobenzene	µg/L		49.8	34.9 - 64.7	Not Reported				46.7	5.53	
4620	1,4-Dichlorobenzene	µg/L		63.7	44.6 - 82.8	Not Reported				60.4	6.31	
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		31.4	19.9 - 43.2	Not Reported				31.5	2.70	
4635	1,2-Dichloroethane	µg/L		78.3	55.6 - 101	Not Reported				78.2	8.04	
4640	1,1-Dichloroethylene	µg/L		< 6.20	0.00 - 6.20	Not Reported						
4645	cis-1,2-Dichloroethylene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4700	trans-1,2-Dichloroethylene	µg/L		19.2	11.5 - 26.9	Not Reported				19.8	2.26	
4655	1,2-Dichloropropane	µg/L		31.9	22.3 - 41.5	Not Reported				30.8	2.51	
4660	1,3-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4665	2,2-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						





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WP Volatiles (cat# 830) (Continued)

4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L		22.5	14.6 - 30.4	Not Reported				21.7	2.29	
4685	trans-1,3-Dichloropropylene	µg/L		28.6	18.6 - 38.6	Not Reported				27.7	2.51	
4765	Ethylbenzene	µg/L		25.8	18.1 - 33.5	Not Reported				25.4	2.95	
4835	Hexachlorobutadiene	µg/L		66.0	6.60 - 81.9	Not Reported				57.6	14.3	
4840	Hexachloroethane	µg/L		< 3.30	0.00 - 3.30	Not Reported						
4860	2-Hexanone	µg/L		< 4.40	0.00 - 4.40	Not Reported						
4900	Isopropylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4910	4-Isopropyltoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4975	Methylene chloride	µg/L		26.9	16.1 - 37.7	Not Reported				25.8	2.92	
4995	4-Methyl-2-pentanone (MIBK)	µg/L		52.6	24.4 - 79.0	Not Reported				51.8	6.15	
5005	Naphthalene	µg/L		16.7	7.15 - 25.1	Not Reported				15.6	2.70	
5015	Nitrobenzene	µg/L		27.4	8.65 - 34.2	Not Reported				29.5	0.320	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L		23.7	15.4 - 32.0	Not Reported				22.9	2.40	
5105	1,1,1,2-Tetrachloroethane	µg/L		16.5	10.7 - 22.3	Not Reported				16.5	1.17	
5110	1,1,2,2-Tetrachloroethane	µg/L		< 9.80	0.00 - 9.80	Not Reported						
5115	Tetrachloroethylene	µg/L		20.4	10.4 - 27.0	Not Reported				19.2	2.58	
5140	Toluene	µg/L		51.2	35.8 - 66.6	Not Reported				50.0	4.25	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						



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WP Volatiles (cat# 830) (Continued)

5155	1,2,4-Trichlorobenzene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5160	1,1,1-Trichloroethane	µg/L		21.3	12.8 - 29.8	Not Reported				20.5	2.21	
5165	1,1,2-Trichloroethane	µg/L		< 10.5	0.00 - 10.5	Not Reported						
5170	Trichloroethylene	µg/L		58.5	37.2 - 76.4	Not Reported				56.5	5.62	
5175	Trichlorofluoromethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
5180	1,2,3-Trichloropropane (TCP)	µg/L		39.0	16.1 - 60.0	Not Reported				39.2	4.91	
5210	1,2,4-Trimethylbenzene	µg/L		20.8	13.5 - 28.1	Not Reported				18.2	3.08	
5215	1,3,5-Trimethylbenzene	µg/L		< 6.50	0.00 - 6.50	Not Reported						
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		< 8.00	0.00 - 8.00	Not Reported						
5240	m&p-Xylene	µg/L		42.4	25.4 - 59.4	Not Reported				41.5	5.20	
5250	o-Xylene	µg/L		34.2	20.5 - 47.9	Not Reported				32.9	3.70	
5260	Xylenes, total	µg/L		76.6	46.0 - 107	Not Reported				74.7	8.08	





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WP Volatiles (cat# 830)

4315	Acetone	µg/L		23.4	4.83 - 43.8	Not Reported				22.5	4.49	
4320	Acetonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4325	Acrolein	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4340	Acrylonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4375	Benzene	µg/L		18.9	13.2 - 24.6	Not Reported				18.8	1.81	
4385	Bromobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4390	Bromochloromethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4395	Bromodichloromethane	µg/L		57.7	34.6 - 80.8	Not Reported				58.0	5.15	
4400	Bromoform	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4950	Bromomethane	µg/L		29.7	11.9 - 47.5	Not Reported				25.5	5.72	
4410	2-Butanone (MEK)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4435	n-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4440	sec-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4445	tert-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5000	tert-Butyl methyl ether (MTBE)	µg/L		31.9	20.7 - 43.8	Not Reported				32.6	2.78	
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		< 7.70	0.00 - 7.70	Not Reported						
4475	Chlorobenzene	µg/L		61.3	42.9 - 79.7	Not Reported				60.5	5.42	
4575	Chlorodibromomethane	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4485	Chloroethane	µg/L		30.3	12.1 - 48.5	Not Reported				29.1	3.77	



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WP Volatiles (cat# 830) (Continued)

4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4960	Chloromethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
4535	2-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4540	4-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L	< 0.500	< 9.00	0.00 - 9.00	Acceptable	EPA 8260C 2006	5/6/2015				BERA_G
4585	1,2-Dibromoethane (EDB)	µg/L	30.0	27.9	18.1 - 37.7	Acceptable	EPA 8260C 2006	5/6/2015	1.10	27.7	2.08	BERA_G
4595	Dibromomethane	µg/L		15.9	10.3 - 21.5	Not Reported				16.1	1.62	
4610	1,2-Dichlorobenzene	µg/L		52.8	37.0 - 68.6	Not Reported				51.1	5.46	
4615	1,3-Dichlorobenzene	µg/L		49.8	34.9 - 64.7	Not Reported				46.7	5.53	
4620	1,4-Dichlorobenzene	µg/L		63.7	44.6 - 82.8	Not Reported				60.4	6.31	
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		31.4	19.9 - 43.2	Not Reported				31.5	2.70	
4635	1,2-Dichloroethane	µg/L		78.3	55.6 - 101	Not Reported				78.2	8.04	
4640	1,1-Dichloroethylene	µg/L		< 6.20	0.00 - 6.20	Not Reported						
4645	cis-1,2-Dichloroethylene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4700	trans-1,2-Dichloroethylene	µg/L		19.2	11.5 - 26.9	Not Reported				19.8	2.26	
4660	1,3-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4665	2,2-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						





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WP Volatiles (cat# 830) (Continued)

4655	1,2-Dichloropropane	µg/L	33.0	31.9	22.3 - 41.5	Acceptable	EPA 8260C 2006	5/6/2015	0.892	30.8	2.51	BERA_G
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L	23.0	22.5	14.6 - 30.4	Acceptable	EPA 8260C 2006	5/6/2015	0.571	21.7	2.29	BERA_G
4685	trans-1,3-Dichloropropylene	µg/L	31.0	28.6	18.6 - 38.6	Acceptable	EPA 8260C 2006	5/6/2015	1.32	27.7	2.51	BERA_G
4765	Ethylbenzene	µg/L		25.8	18.1 - 33.5	Not Reported				25.4	2.95	
4835	Hexachlorobutadiene	µg/L		66.0	6.60 - 81.9	Not Reported				57.6	14.3	
4840	Hexachloroethane	µg/L		< 3.30	0.00 - 3.30	Not Reported						
4860	2-Hexanone	µg/L		< 4.40	0.00 - 4.40	Not Reported						
4900	Isopropylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4910	4-Isopropyltoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4975	Methylene chloride	µg/L		26.9	16.1 - 37.7	Not Reported				25.8	2.92	
4995	4-Methyl-2-pentanone (MIBK)	µg/L		52.6	24.4 - 79.0	Not Reported				51.8	6.15	
5005	Naphthalene	µg/L		16.7	7.15 - 25.1	Not Reported				15.6	2.70	
5015	Nitrobenzene	µg/L		27.4	8.65 - 34.2	Not Reported				29.5	0.320	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L		23.7	15.4 - 32.0	Not Reported				22.9	2.40	
5105	1,1,1,2-Tetrachloroethane	µg/L		16.5	10.7 - 22.3	Not Reported				16.5	1.17	
5110	1,1,2,2-Tetrachloroethane	µg/L		< 9.80	0.00 - 9.80	Not Reported						
5115	Tetrachloroethylene	µg/L		20.4	10.4 - 27.0	Not Reported				19.2	2.58	
5140	Toluene	µg/L		51.2	35.8 - 66.6	Not Reported				50.0	4.25	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						



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WP Volatiles (cat# 830) (Continued)

5155	1,2,4-Trichlorobenzene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5160	1,1,1-Trichloroethane	µg/L		21.3	12.8 - 29.8	Not Reported				20.5	2.21	
5165	1,1,2-Trichloroethane	µg/L		< 10.5	0.00 - 10.5	Not Reported						
5170	Trichloroethylene	µg/L		58.5	37.2 - 76.4	Not Reported				56.5	5.62	
5175	Trichlorofluoromethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
5180	1,2,3-Trichloropropane (TCP)	µg/L	38.0	39.0	16.1 - 60.0	Acceptable	EPA 8260C 2006	5/6/2015	-0.254	39.2	4.91	BERA_G
5210	1,2,4-Trimethylbenzene	µg/L		20.8	13.5 - 28.1	Not Reported				18.2	3.08	
5215	1,3,5-Trimethylbenzene	µg/L		< 6.50	0.00 - 6.50	Not Reported						
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		< 8.00	0.00 - 8.00	Not Reported						
5240	m&p-Xylene	µg/L		42.4	25.4 - 59.4	Not Reported				41.5	5.20	
5250	o-Xylene	µg/L		34.2	20.5 - 47.9	Not Reported				32.9	3.70	
5260	Xylenes, total	µg/L		76.6	46.0 - 107	Not Reported				74.7	8.08	





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WP Volatiles (cat# 830)

4315	Acetone	µg/L	< 5.00	23.4	4.83 - 43.8	Acceptable	EPA 8260C 2006	5/6/2015		22.5	4.49	BOOESHAG_F
4320	Acetonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4325	Acrolein	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4340	Acrylonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4375	Benzene	µg/L	18.4	18.9	13.2 - 24.6	Acceptable	EPA 8260C 2006	5/6/2015	-0.211	18.8	1.81	BOOESHAG_F
4385	Bromobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4390	Bromochloromethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4395	Bromodichloromethane	µg/L	58.9	57.7	34.6 - 80.8	Acceptable	EPA 8260C 2006	5/6/2015	0.174	58.0	5.15	BOOESHAG_F
4400	Bromoform	µg/L	< 0.200	< 6.00	0.00 - 6.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4950	Bromomethane	µg/L	18.7	29.7	11.9 - 47.5	Acceptable	EPA 8260C 2006	5/6/2015	-1.19	25.5	5.72	BOOESHAG_F
4410	2-Butanone (MEK)	µg/L	< 5.00	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4435	n-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4440	sec-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4445	tert-Butylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5000	tert-Butyl methyl ether (MTBE)	µg/L	31.0	31.9	20.7 - 43.8	Acceptable	EPA 8260C 2006	5/6/2015	-0.592	32.6	2.78	BOOESHAG_F
4450	Carbon disulfide	µg/L	< 0.500	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4455	Carbon tetrachloride	µg/L	< 0.200	< 7.70	0.00 - 7.70	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4475	Chlorobenzene	µg/L	61.9	61.3	42.9 - 79.7	Acceptable	EPA 8260C 2006	5/6/2015	0.258	60.5	5.42	BOOESHAG_F



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WP Volatiles (cat# 830) (Continued)

4575	Chlorodibromomethane	µg/L	< 0.200	< 6.00	0.00 - 6.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4485	Chloroethane	µg/L	28.9	30.3	12.1 - 48.5	Acceptable	EPA 8260C 2006	5/6/2015	-0.0542	29.1	3.77	BOOESHAG_F
4500	2-Chloroethylvinylether	µg/L	< 0.200	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4505	Chloroform	µg/L	< 0.200	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4960	Chloromethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4535	2-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4540	4-Chlorotoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		< 9.00	0.00 - 9.00	Not Reported						
4585	1,2-Dibromoethane (EDB)	µg/L		27.9	18.1 - 37.7	Not Reported				27.7	2.08	
4595	Dibromomethane	µg/L		15.9	10.3 - 21.5	Not Reported				16.1	1.62	
4610	1,2-Dichlorobenzene	µg/L	53.4	52.8	37.0 - 68.6	Acceptable	EPA 8260C 2006	5/6/2015	0.424	51.1	5.46	BOOESHAG_F
4615	1,3-Dichlorobenzene	µg/L	49.6	49.8	34.9 - 64.7	Acceptable	EPA 8260C 2006	5/6/2015	0.520	46.7	5.53	BOOESHAG_F
4620	1,4-Dichlorobenzene	µg/L	62.2	63.7	44.6 - 82.8	Acceptable	EPA 8260C 2006	5/6/2015	0.291	60.4	6.31	BOOESHAG_F
4625	Dichlorodifluoromethane (Freon 12)	µg/L	< 0.200	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4630	1,1-Dichloroethane	µg/L	32.1	31.4	19.9 - 43.2	Acceptable	EPA 8260C 2006	5/6/2015	0.209	31.5	2.70	BOOESHAG_F
4635	1,2-Dichloroethane	µg/L	79.3	78.3	55.6 - 101	Acceptable	EPA 8260C 2006	5/6/2015	0.139	78.2	8.04	BOOESHAG_F
4640	1,1-Dichloroethylene	µg/L	< 0.200	< 6.20	0.00 - 6.20	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4645	cis-1,2-Dichloroethylene	µg/L	< 0.200	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4655	1,2-Dichloropropane	µg/L		31.9	22.3 - 41.5	Not Reported				30.8	2.51	
4660	1,3-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4665	2,2-Dichloropropane	µg/L		< 5.00	0.00 - 5.00	Not Reported						



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WP Volatiles (cat# 830) (Continued)

4700	trans-1,2-Dichloroethylene	µg/L	19.4	19.2	11.5 - 26.9	Acceptable	EPA 8260C 2006	5/6/2015	-0.184	19.8	2.26	BOOESHAG_F
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L		22.5	14.6 - 30.4	Not Reported				21.7	2.29	
4685	trans-1,3-Dichloropropylene	µg/L		28.6	18.6 - 38.6	Not Reported				27.7	2.51	
4765	Ethylbenzene	µg/L	24.8	25.8	18.1 - 33.5	Acceptable	EPA 8260C 2006	5/6/2015	-0.197	25.4	2.95	BOOESHAG_F
4835	Hexachlorobutadiene	µg/L		66.0	6.60 - 81.9	Not Reported				57.6	14.3	
4840	Hexachloroethane	µg/L		< 3.30	0.00 - 3.30	Not Reported						
4860	2-Hexanone	µg/L	< 5.00	< 4.40	0.00 - 4.40	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
4900	Isopropylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4910	4-Isopropyltoluene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4975	Methylene chloride	µg/L	26.3	26.9	16.1 - 37.7	Acceptable	EPA 8260C 2006	5/6/2015	0.185	25.8	2.92	BOOESHAG_F
4995	4-Methyl-2-pentanone (MIBK)	µg/L	49.9	52.6	24.4 - 79.0	Acceptable	EPA 8260C 2006	5/6/2015	-0.313	51.8	6.15	BOOESHAG_F
5005	Naphthalene	µg/L		16.7	7.15 - 25.1	Not Reported				15.6	2.70	
5015	Nitrobenzene	µg/L		27.4	8.65 - 34.2	Not Reported				29.5	0.320	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5105	1,1,1,2-Tetrachloroethane	µg/L		16.5	10.7 - 22.3	Not Reported				16.5	1.17	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						





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WP Volatiles (cat# 830) (Continued)

5100	Styrene	µg/L	23.6	23.7	15.4 - 32.0	Acceptable	EPA 8260C 2006	5/6/2015	0.281	22.9	2.40	BOOESHAG_F
5110	1,1,2,2-Tetrachloroethane	µg/L	< 0.200	< 9.80	0.00 - 9.80	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
5115	Tetrachloroethylene	µg/L	20.1	20.4	10.4 - 27.0	Acceptable	EPA 8260C 2006	5/6/2015	0.355	19.2	2.58	BOOESHAG_F
5140	Toluene	µg/L	49.6	51.2	35.8 - 66.6	Acceptable	EPA 8260C 2006	5/6/2015	-0.0894	50.0	4.25	BOOESHAG_F
5155	1,2,4-Trichlorobenzene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5160	1,1,1-Trichloroethane	µg/L	20.4	21.3	12.8 - 29.8	Acceptable	EPA 8260C 2006	5/6/2015	-0.0409	20.5	2.21	BOOESHAG_F
5165	1,1,2-Trichloroethane	µg/L	< 0.200	< 10.5	0.00 - 10.5	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
5170	Trichloroethylene	µg/L	57.5	58.5	37.2 - 76.4	Acceptable	EPA 8260C 2006	5/6/2015	0.178	56.5	5.62	BOOESHAG_F
5175	Trichlorofluoromethane	µg/L	< 0.200	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
5180	1,2,3-Trichloropropane (TCP)	µg/L		39.0	16.1 - 60.0	Not Reported				39.2	4.91	
5210	1,2,4-Trimethylbenzene	µg/L		20.8	13.5 - 28.1	Not Reported				18.2	3.08	
5215	1,3,5-Trimethylbenzene	µg/L		< 6.50	0.00 - 6.50	Not Reported						
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L	< 0.200	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/6/2015				BOOESHAG_F
5240	m&p-Xylene	µg/L	41.0	42.4	25.4 - 59.4	Acceptable	EPA 8260C 2006	5/6/2015	-0.0989	41.5	5.20	BOOESHAG_F
5250	o-Xylene	µg/L	33.1	34.2	20.5 - 47.9	Acceptable	EPA 8260C 2006	5/6/2015	0.0487	32.9	3.70	BOOESHAG_F

WP Volatiles (cat# 830) (Continued)

5260	Xylenes, total	µg/L	74.1	76.6	46.0 - 107	Acceptable	EPA 8260C 2006	5/6/2015	-0.0785	74.7	8.08	BOOESHAG_F
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WP Chlorinated Acid Herbicides (cat# 829)

8505	Acifluorfen	µg/L	6.64	6.41	0.897 - 9.44	Acceptable	EPA 8321B 1998	5/11/2015	1.17	5.77	0.742	KIM_J
8530	Bentazon	µg/L	4.20	4.39	0.439 - 7.98	Acceptable	EPA 8321B 1998	5/11/2015	-0.403	4.55	0.862	KIM_J
8540	Chloramben	µg/L		8.15	0.815 - 12.4	Not Reported				5.79	2.94	
8545	2,4-D	µg/L	6.68	7.86	0.786 - 12.0	Acceptable	EPA 8321B 1998	5/11/2015	-0.333	7.27	1.77	KIM_J
8560	2,4-DB	µg/L	4.60	5.29	0.529 - 8.99	Acceptable	EPA 8321B 1998	5/11/2015	-0.872	4.89	0.327	KIM_J
8550	Dacthal diacid (DCPA)	µg/L		8.26	1.04 - 11.8	Not Reported				8.27	0.747	
8555	Dalapon	µg/L		8.32	0.832 - 13.1	Not Reported				5.60	2.65	
8595	Dicamba	µg/L	10.2	9.54	2.31 - 13.2	Acceptable	EPA 8321B 1998	5/11/2015	1.02	8.34	1.82	KIM_J
8600	3,5-Dichlorobenzoic acid	µg/L		2.45	0.514 - 3.69	Not Reported				2.20	0.366	
8605	Dichlorprop	µg/L	4.48	4.92	0.843 - 7.39	Acceptable	EPA 8321B 1998	5/11/2015	-0.00312	4.48	0.802	KIM_J
8620	Dinoseb	µg/L	7.84	8.28	0.828 - 12.5	Acceptable	EPA 8321B 1998	5/11/2015	1.07	6.54	1.22	KIM_J
7775	MCPA	µg/L	< 0.0400	< 10.0	0.00 - 10.0	Acceptable	EPA 8321B 1998	5/11/2015				KIM_J
7780	MCPP	µg/L	< 0.0400	< 10.0	0.00 - 10.0	Acceptable	EPA 8321B 1998	5/11/2015				KIM_J
6500	4-Nitrophenol	µg/L		6.72	0.672 - 10.3	Not Reported				5.13	0.184	
6605	Pentachlorophenol	µg/L		4.32	0.556 - 6.52	Not Reported				3.44	0.683	
8645	Picloram	µg/L	7.08	7.16	0.716 - 11.6	Acceptable	EPA 8321B 1998	5/11/2015	0.719	6.32	1.05	KIM_J
8655	2,4,5-T	µg/L	3.76	4.23	0.826 - 6.33	Acceptable	EPA 8321B 1998	5/11/2015	-0.153	3.91	1.01	KIM_J
8650	2,4,5-TP (Silvex)	µg/L	7.12	8.19	1.90 - 12.1	Acceptable	EPA 8321B 1998	5/11/2015	-0.280	7.52	1.44	KIM_J



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WP PCBs in Water (cat# 832S)

8880	Aroclor 1016	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/1/2015				NAGAR_V
8885	Aroclor 1221	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/1/2015				NAGAR_V
8890	Aroclor 1232	µg/L	4.23	4.46	1.66 - 6.15	Acceptable	EPA 8082A 2000	5/9/2015	0.296	4.02	0.706	NAGAR_V
8895	Aroclor 1242	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/1/2015				NAGAR_V
8900	Aroclor 1248	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/1/2015				NAGAR_V
8905	Aroclor 1254	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/9/2015				NAGAR_V
8910	Aroclor 1260	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	5/1/2015				NAGAR_V

WP PCBs in Oil (cat# 835S)

8880	Aroclor 1016	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A 2000	5/13/2015				NAGAR_V
8895	Aroclor 1242	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A 2000	5/13/2015				NAGAR_V
8905	Aroclor 1254	mg/kg	18.2	16.2	1.62 - 26.8	Acceptable	EPA 8082A 2000	5/13/2015	0.653	15.7	3.88	NAGAR_V
8910	Aroclor 1260	mg/kg	< 0.100	< 2.40	0.00 - 2.40	Acceptable	EPA 8082A 2000	5/13/2015				NAGAR_V

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WP Base/Neutrals (cat# 833)

5500	Acenaphthene	µg/L	28.4	36.5	13.2 - 45.1	Acceptable	EPA 8270D 2007	5/13/2015	0.0951	27.9	4.93	GHAFFARI_M
5505	Acenaphthylene	µg/L	25.2	31.7	10.7 - 39.6	Acceptable	EPA 8270D 2007	5/13/2015	-0.0743	25.5	4.40	GHAFFARI_M
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5545	Aniline	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5555	Anthracene	µg/L	33.2	39.9	16.7 - 50.6	Acceptable	EPA 8270D 2007	5/13/2015	0.0634	32.9	4.91	GHAFFARI_M
5595	Benzidine	µg/L	< 100	< 200	0.00 - 200	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	< 0.200	< 3.60	0.00 - 3.60	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	< 0.200	< 7.50	0.00 - 7.50	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	< 0.200	< 7.70	0.00 - 7.70	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	16.6	20.5	8.87 - 28.1	Acceptable	EPA 8270D 2007	5/13/2015	-0.685	18.4	2.62	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	9.69	14.4	4.05 - 19.5	Acceptable	EPA 8270D 2007	5/13/2015	-0.436	10.4	1.69	GHAFFARI_M
5630	Benzyl alcohol	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5660	4-Bromophenyl-phenylether	µg/L	140	158	65.2 - 196	Acceptable	EPA 8270D 2007	5/13/2015	0.588	128	20.0	GHAFFARI_M
5670	Butylbenzylphthalate	µg/L	< 1.00	< 13.4	0.00 - 13.4	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5680	Carbazole	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5745	4-Chloroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5760	bis(2-Chloroethoxy)methane	µg/L	< 1.00	< 3.90	0.00 - 3.90	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5765	bis(2-Chloroethyl)ether	µg/L	< 1.00	< 5.90	0.00 - 5.90	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5780	bis(2-Chloroisopropyl)ether	µg/L	28.1	46.6	8.72 - 62.6	Acceptable	EPA 8270D 2007	5/13/2015	-0.767	33.8	7.49	GHAFFARI_M
5790	1-Chloronaphthalene	µg/L		< 10.0	0.00 - 10.0	Not Reported						



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WP Base/Neutrals (cat# 833) (Continued)

5795	2-Chloronaphthalene	µg/L	16.2	22.3	6.92 - 29.7	Acceptable	EPA 8270D 2007	5/13/2015	-0.289	17.2	3.31	GHAFFARI_M
5825	4-Chlorophenyl-phenylether	µg/L	72.3	87.8	33.1 - 109	Acceptable	EPA 8270D 2007	5/13/2015	-0.322	76.4	12.9	GHAFFARI_M
5855	Chrysene	µg/L	18.1	22.6	11.0 - 30.6	Acceptable	EPA 8270D 2007	5/13/2015	-0.873	20.8	3.06	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	18.9	22.0	7.66 - 32.7	Acceptable	EPA 8270D 2007	5/13/2015	-0.138	19.3	2.76	GHAFFARI_M
5905	Dibenzofuran	µg/L	74.6	108	42.0 - 124	Acceptable	EPA 8270D 2007	5/13/2015	-0.659	83.3	13.2	GHAFFARI_M
5925	Di-n-butylphthalate	µg/L	42.9	97.7	35.0 - 128	Acceptable	EPA 8270D 2007	5/13/2015	-3.94	86.1	11.0	GHAFFARI_M
4610	1,2-Dichlorobenzene	µg/L		< 2.00	0.00 - 2.00	Not Reported						
4615	1,3-Dichlorobenzene	µg/L		< 3.10	0.00 - 3.10	Not Reported						
4620	1,4-Dichlorobenzene	µg/L		< 3.70	0.00 - 3.70	Not Reported						
5945	3,3'-Dichlorobenzidine	µg/L	< 40.0	< 5.00	0.00 - 5.00	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6070	Diethylphthalate	µg/L	82.3	119	22.0 - 163	Acceptable	EPA 8270D 2007	5/13/2015	-1.31	99.7	13.3	GHAFFARI_M
6135	Dimethylphthalate	µg/L	66.9	95.6	9.56 - 140	Acceptable	EPA 8270D 2007	5/13/2015	-0.661	77.3	15.8	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L	< 1.00	< 4.50	0.00 - 4.50	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6190	2,6-Dinitrotoluene	µg/L	< 1.00	< 8.20	0.00 - 8.20	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6200	Di-n-octylphthalate	µg/L	< 1.00	< 8.20	0.00 - 8.20	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6065	bis(2-Ethylhexyl)phthalate	µg/L	56.8	70.3	23.3 - 95.2	Acceptable	EPA 8270D 2007	5/13/2015	-0.772	65.4	11.1	GHAFFARI_M
6265	Fluoranthene	µg/L	81.6	118	53.2 - 144	Acceptable	EPA 8270D 2007	5/13/2015	-1.38	100	13.5	GHAFFARI_M
6270	Fluorene	µg/L	49.6	56.6	24.0 - 69.8	Acceptable	EPA 8270D 2007	5/13/2015	0.355	46.7	8.14	GHAFFARI_M
6275	Hexachlorobenzene	µg/L	110	125	55.9 - 150	Acceptable	EPA 8270D 2007	5/13/2015	0.0789	109	17.2	GHAFFARI_M
4835	Hexachlorobutadiene	µg/L	83.8	109	12.6 - 130	Acceptable	EPA 8270D 2007	5/13/2015	0.723	64.5	26.6	GHAFFARI_M



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WP Base/Neutrals (cat# 833) (Continued)

6285	Hexachlorocyclopentadiene	µg/L	66.7	86.6	8.66 - 116	Acceptable	EPA 8270D 2007	5/13/2015	1.11	47.3	17.6	GHAFFARI_M
4840	Hexachloroethane	µg/L	67.0	103	10.3 - 113	Acceptable	EPA 8270D 2007	5/13/2015	0.479	56.8	21.3	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	24.2	32.5	9.92 - 46.4	Acceptable	EPA 8270D 2007	5/13/2015	-0.727	27.0	3.86	GHAFFARI_M
6320	Isophorone	µg/L	57.1	97.9	35.7 - 122	Acceptable	EPA 8270D 2007	5/13/2015	-0.453	61.7	10.2	GHAFFARI_M
6385	2-Methylnaphthalene	µg/L	82.3	104	25.8 - 124	Acceptable	EPA 8270D 2007	5/13/2015	0.309	76.7	18.1	GHAFFARI_M
5005	Naphthalene	µg/L	67.6	118	28.3 - 138	Acceptable	EPA 8270D 2007	5/13/2015	-0.624	79.7	19.4	GHAFFARI_M
6460	2-Nitroaniline	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6465	3-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6470	4-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5015	Nitrobenzene	µg/L	33.2	49.4	15.9 - 59.8	Acceptable	EPA 8270D 2007	5/13/2015	-0.478	36.1	6.00	GHAFFARI_M
6525	N-Nitrosodiethylamine	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6530	N-Nitrosodimethylamine	µg/L	35.2	88.9	8.89 - 105	Acceptable	EPA 8270D 2007	5/13/2015	-0.641	45.3	15.7	GHAFFARI_M
6535	N-Nitrosodiphenylamine	µg/L	< 3.00	< 5.60	0.00 - 5.60	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6545	N-Nitroso-di-n-propylamine	µg/L	< 2.00	< 9.40	0.00 - 9.40	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6590	Pentachlorobenzene	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6615	Phenanthrene	µg/L	78.7	120	56.1 - 142	Acceptable	EPA 8270D 2007	5/13/2015	-1.30	96.8	14.0	GHAFFARI_M
6665	Pyrene	µg/L	29.4	29.2	12.5 - 39.0	Acceptable	EPA 8270D 2007	5/13/2015	-0.489	31.6	4.59	GHAFFARI_M
5095	Pyridine	µg/L	< 4.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6715	1,2,4,5-Tetrachlorobenzene	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
5155	1,2,4-Trichlorobenzene	µg/L	< 1.00	< 2.00	0.00 - 2.00	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M



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WP Acids (cat# 834)

5610	Benzoic acid	µg/L		< 30.0	0.00 - 30.0	Not Reported						
5700	4-Chloro-3-methylphenol	µg/L	49.3	55.8	21.3 - 69.2	Acceptable	EPA 8270D 2007	5/13/2015	0.400	47.0	5.82	GHAFFARI_M
5800	2-Chlorophenol	µg/L	119	148	41.9 - 177	Acceptable	EPA 8270D 2007	5/13/2015	0.223	114	20.5	GHAFFARI_M
6000	2,4-Dichlorophenol	µg/L	75.9	92.9	31.1 - 111	Acceptable	EPA 8270D 2007	5/13/2015	0.461	70.8	11.0	GHAFFARI_M
6005	2,6-Dichlorophenol	µg/L	27.3	36.1	13.8 - 47.9	Acceptable	EPA 8270D 2007	5/13/2015	-0.560	30.3	5.30	GHAFFARI_M
6130	2,4-Dimethylphenol	µg/L	33.4	44.0	13.0 - 55.9	Acceptable	EPA 8270D 2007	5/13/2015	0.152	32.3	6.98	GHAFFARI_M
6360	4,6-Dinitro-2-methylphenol	µg/L	53.7	60.4	17.6 - 87.6	Acceptable	EPA 8270D 2007	5/13/2015	0.934	45.3	8.97	GHAFFARI_M
6175	2,4-Dinitrophenol	µg/L	144	141	14.1 - 193	Acceptable	EPA 8270D 2007	5/13/2015	2.00	90.6	26.7	GHAFFARI_M
6400	2-Methylphenol	µg/L	52.6	83.8	19.3 - 99.5	Acceptable	EPA 8270D 2007	5/13/2015	-0.549	58.3	10.4	GHAFFARI_M
6410	4-Methylphenol	µg/L	77.6	122	12.2 - 158	Acceptable	EPA 8270D 2007	5/13/2015	-0.317	83.3	17.9	GHAFFARI_M
6490	2-Nitrophenol	µg/L	73.7	80.5	24.5 - 101	Acceptable	EPA 8270D 2007	5/13/2015	0.923	63.9	10.6	GHAFFARI_M
6500	4-Nitrophenol	µg/L	37.3	133	13.3 - 179	Acceptable	EPA 8270D 2007	5/13/2015	-0.923	58.4	22.9	GHAFFARI_M
6605	Pentachlorophenol	µg/L	46.2	54.1	15.2 - 75.0	Acceptable	EPA 8270D 2007	5/13/2015	0.0810	45.6	7.64	GHAFFARI_M
6625	Phenol	µg/L	32.4	119	11.9 - 160	Acceptable	EPA 8270D 2007	5/13/2015	-0.827	46.4	16.9	GHAFFARI_M
6735	2,3,4,6-Tetrachlorophenol	µg/L	< 2.00	< 30.0	0.00 - 30.0	Acceptable	EPA 8270D 2007	5/13/2015				GHAFFARI_M
6835	2,4,5-Trichlorophenol	µg/L	50.2	60.0	22.1 - 77.1	Acceptable	EPA 8270D 2007	5/13/2015	0.111	49.4	6.98	GHAFFARI_M
6840	2,4,6-Trichlorophenol	µg/L	55.6	66.5	25.1 - 81.3	Acceptable	EPA 8270D 2007	5/13/2015	0.389	52.6	7.59	GHAFFARI_M



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WP Nitroaromatics & Nitramines (cat# 932)

9306	4-Amino-2,6-dinitrotoluene	µg/L		8.17	4.33 - 11.4	Not Reported				8.12	0.639	
9303	2-Amino-4,6-dinitrotoluene	µg/L		12.0	6.65 - 17.2	Not Reported				11.7	1.66	
6160	1,3-Dinitrobenzene	µg/L	10.2	13.1	6.27 - 18.8	Acceptable	EPA 8270D 2007	5/13/2015	-1.35	13.0	2.11	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L		8.21	4.20 - 12.0	Not Reported				8.04	0.733	
6190	2,6-Dinitrotoluene	µg/L		3.94	1.97 - 5.72	Not Reported				4.08	0.236	
9522	HMX	µg/L		5.00	2.47 - 7.09	Not Reported				4.78	0.426	
5015	Nitrobenzene	µg/L		11.2	5.45 - 15.5	Not Reported				11.1	0.998	
9507	2-Nitrotoluene	µg/L		13.9	7.03 - 19.1	Not Reported				13.8	1.38	
9510	3-Nitrotoluene	µg/L		18.9	9.43 - 26.6	Not Reported				20.0	1.68	
9513	4-Nitrotoluene	µg/L		11.2	6.01 - 15.8	Not Reported				11.7	0.892	
9432	RDX	µg/L		10.4	5.43 - 14.0	Not Reported				10.2	0.937	
6415	Tetryl	µg/L		< 1.00	0.00 - 1.00	Not Reported						
6885	1,3,5-Trinitrobenzene	µg/L	11.2	15.3	6.25 - 20.9	Acceptable	EPA 8270D 2007	5/13/2015	-1.68	13.9	1.59	GHAFFARI_M
9651	2,4,6-Trinitrotoluene	µg/L		14.0	7.45 - 18.6	Not Reported				13.0	0.945	



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WP Low-Level PAHs (cat# 836)

5500	Acenaphthene	µg/L	9.30	16.1	5.34 - 19.4	Acceptable	EPA 8270D 2007	5/19/2015	-0.884	11.6	2.58	GHAFFARI_M
5505	Acenaphthylene	µg/L	1.47	2.73	1.05 - 3.32	Acceptable	EPA 8270D 2007	5/19/2015	-1.44	2.10	0.437	GHAFFARI_M
5555	Anthracene	µg/L	2.18	3.86	1.15 - 5.18	Acceptable	EPA 8270D 2007	5/19/2015	-1.78	3.13	0.535	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	2.14	3.36	2.25 - 3.76	Not Acceptable	EPA 8270D 2007	5/19/2015	-1.00	2.59	0.451	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	1.88	3.28	1.56 - 3.94	Acceptable	EPA 8270D 2007	5/19/2015	-1.31	2.53	0.492	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	2.98	4.87	2.50 - 6.20	Acceptable	EPA 8270D 2007	5/19/2015	-0.766	3.62	0.841	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	1.95	2.95	0.862 - 3.82	Acceptable	EPA 8270D 2007	5/19/2015	-0.677	2.37	0.626	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	2.24	4.22	1.80 - 4.90	Acceptable	EPA 8270D 2007	5/19/2015	-1.09	3.05	0.747	GHAFFARI_M
5855	Chrysene	µg/L	1.80	2.75	1.52 - 3.39	Acceptable	EPA 8270D 2007	5/19/2015	-1.70	2.33	0.315	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	1.66	2.91	1.01 - 3.73	Acceptable	EPA 8270D 2007	5/19/2015	-0.831	2.19	0.643	GHAFFARI_M
6265	Fluoranthene	µg/L	1.58	2.74	1.45 - 3.28	Acceptable	EPA 8270D 2007	5/19/2015	-1.96	2.25	0.344	GHAFFARI_M
6270	Fluorene	µg/L	4.00	7.33	3.09 - 8.54	Acceptable	EPA 8270D 2007	5/19/2015	-1.47	5.56	1.06	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	1.31	1.87	0.782 - 2.42	Acceptable	EPA 8270D 2007	5/19/2015	-0.267	1.43	0.447	GHAFFARI_M
5005	Naphthalene	µg/L	2.44	4.91	1.59 - 5.76	Acceptable	EPA 8270D 2007	5/19/2015	-1.25	3.41	0.779	GHAFFARI_M
6615	Phenanthrene	µg/L	1.96	3.48	1.74 - 4.11	Acceptable	EPA 8270D 2007	5/19/2015	-1.48	2.76	0.537	GHAFFARI_M
6665	Pyrene	µg/L	2.51	3.82	2.08 - 4.48	Acceptable	EPA 8270D 2007	5/19/2015	-0.994	2.99	0.483	GHAFFARI_M



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WP Organochlorine Pesticides (cat# 831)

7025	Aldrin	µg/L		4.60	1.62 - 6.19	Not Reported				3.81	0.573	
7110	alpha-BHC	µg/L		11.3	4.97 - 15.4	Not Reported				9.79	1.42	
7115	beta-BHC	µg/L		18.8	8.94 - 24.9	Not Reported				16.6	2.52	
7105	delta-BHC	µg/L		11.1	4.85 - 15.4	Not Reported				10.1	1.56	
7120	gamma-BHC(Lindane)	µg/L		3.92	1.77 - 5.48	Not Reported				3.53	0.571	
7240	alpha-Chlordane	µg/L		5.10	2.28 - 6.85	Not Reported				4.46	0.667	
7245	gamma-Chlordane	µg/L		6.54	2.93 - 8.55	Not Reported				5.80	0.858	
7355	4,4'-DDD	µg/L		7.68	3.80 - 10.5	Not Reported				6.80	1.09	
7360	4,4'-DDE	µg/L		5.51	2.37 - 7.46	Not Reported				4.96	0.724	
7365	4,4'-DDT	µg/L		2.34	0.930 - 3.49	Not Reported				2.18	0.356	
7470	Dieldrin	µg/L	6.46	8.48	4.32 - 11.2	Acceptable	EPA 8270D 2007	4/28/2015	-1.12	7.63	1.05	CARBONE_I
7540	Endrin	µg/L		3.72	1.62 - 5.35	Not Reported				3.43	0.652	
7530	Endrin aldehyde	µg/L		6.59	2.42 - 9.86	Not Reported				5.59	0.950	
7535	Endrin ketone	µg/L		11.0	5.90 - 14.5	Not Reported				9.52	1.39	
7510	Endosulfan I	µg/L		16.0	6.26 - 21.5	Not Reported				14.0	1.99	
7515	Endosulfan II	µg/L		11.1	4.59 - 15.1	Not Reported				9.89	1.53	
7520	Endosulfan sulfate	µg/L		7.07	3.23 - 10.2	Not Reported				6.45	1.03	
7685	Heptachlor	µg/L		8.70	3.13 - 11.7	Not Reported				7.14	1.15	
7690	Heptachlor epoxide (beta)	µg/L		3.49	1.72 - 4.69	Not Reported				3.17	0.483	
7810	Methoxychlor	µg/L		6.80	2.80 - 10.2	Not Reported				6.18	0.936	



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WP-243 2009 TNI Evaluation Final Complete Report

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WP Organochlorine Pesticides (cat# 831)

7025	Aldrin	µg/L	4.44	4.60	1.62 - 6.19	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.10	3.81	0.573	NAGAR_V
7110	alpha-BHC	µg/L	9.80	11.3	4.97 - 15.4	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.00515	9.79	1.42	NAGAR_V
7115	beta-BHC	µg/L	17.4	18.8	8.94 - 24.9	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.304	16.6	2.52	NAGAR_V
7105	delta-BHC	µg/L	10.6	11.1	4.85 - 15.4	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.290	10.1	1.56	NAGAR_V
7120	gamma-BHC(Lindane)	µg/L	3.71	3.92	1.77 - 5.48	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.324	3.53	0.571	NAGAR_V
7240	alpha-Chlordane	µg/L	5.23	5.10	2.28 - 6.85	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.15	4.46	0.667	NAGAR_V
7245	gamma-Chlordane	µg/L	6.76	6.54	2.93 - 8.55	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.12	5.80	0.858	NAGAR_V
7355	4,4'-DDD	µg/L	6.17	7.68	3.80 - 10.5	Acceptable	DEPSOP:GC-011-5	5/8/2015	-0.580	6.80	1.09	NAGAR_V
7360	4,4'-DDE	µg/L	5.76	5.51	2.37 - 7.46	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.10	4.96	0.724	NAGAR_V
7365	4,4'-DDT	µg/L	2.53	2.34	0.930 - 3.49	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.994	2.18	0.356	NAGAR_V
7470	Dieldrin	µg/L	6.79	8.48	4.32 - 11.2	Acceptable	DEPSOP:GC-011-5	5/8/2015	-0.801	7.63	1.05	NAGAR_V
7540	Endrin	µg/L	4.13	3.72	1.62 - 5.35	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.07	3.43	0.652	NAGAR_V
7530	Endrin aldehyde	µg/L	6.31	6.59	2.42 - 9.86	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.756	5.59	0.950	NAGAR_V
7535	Endrin ketone	µg/L	10.7	11.0	5.90 - 14.5	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.848	9.52	1.39	NAGAR_V
7510	Endosulfan I	µg/L	15.6	16.0	6.26 - 21.5	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.806	14.0	1.99	NAGAR_V
7515	Endosulfan II	µg/L	10.7	11.1	4.59 - 15.1	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.527	9.89	1.53	NAGAR_V
7520	Endosulfan sulfate	µg/L	7.63	7.07	3.23 - 10.2	Acceptable	DEPSOP:GC-011-5	5/8/2015	1.14	6.45	1.03	NAGAR_V
7685	Heptachlor	µg/L	6.08	8.70	3.13 - 11.7	Acceptable	DEPSOP:GC-011-5	5/8/2015	-0.923	7.14	1.15	NAGAR_V
7690	Heptachlor epoxide (beta)	µg/L	3.58	3.49	1.72 - 4.69	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.847	3.17	0.483	NAGAR_V
7810	Methoxychlor	µg/L	7.11	6.80	2.80 - 10.2	Acceptable	DEPSOP:GC-011-5	5/8/2015	0.997	6.18	0.936	NAGAR_V



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WP Chlordane (cat# 837)

7250	Chlordane, technical	µg/L	3.98	4.25	1.95 - 6.10	Acceptable	DEPSOP:GC-011-5	4/30/2015	0.568	3.60	0.661	NAGAR_V
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WP Toxaphene (cat# 838)

8250	Toxaphene	µg/L	63.6	72.6	15.7 - 105	Acceptable	DEPSOP:GC-011-5	4/30/2015	0.364	57.9	15.8	NAGAR_V
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WP Organophosphorous Pesticides (OPP) (cat# 934)

7075	Azinphos-methyl (Guthion)	µg/L	8.56	9.70	1.04 - 16.8	Acceptable	DEPSOP:GC-012-3	4/25/2015	0.516	7.45	2.15	BURGOS_J
7220	Carbophenothion	µg/L		4.79	2.35 - 6.60	Not Reported				4.22	0.00	
7300	Chlorpyrifos	µg/L	2.92	3.66	1.32 - 4.83	Acceptable	DEPSOP:GC-012-3	4/25/2015	-0.213	3.27	1.63	BURGOS_J
7395	Demeton-O	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7385	Demeton-S	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7410	Diazinon	µg/L	6.28	8.06	3.00 - 12.0	Acceptable	DEPSOP:GC-012-3	4/25/2015	-0.481	7.06	1.62	BURGOS_J
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7475	Dimethoate	µg/L		7.99	1.45 - 10.8	Not Reported				7.15	1.75	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8625	Disulfoton	µg/L	19.6	16.4	2.70 - 26.7	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.48	12.3	4.93	BURGOS_J
7565	Ethion	µg/L	5.16	6.54	3.09 - 10.1	Acceptable	DEPSOP:GC-012-3	4/25/2015	-0.986	6.02	0.877	BURGOS_J
7570	Ethoprop	µg/L	11.5	10.7	4.25 - 14.6	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.31	9.22	1.74	BURGOS_J
7955	Ethyl Parathion	µg/L	19.7	19.4	10.7 - 28.1	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.27	15.3	3.47	BURGOS_J
7580	Famphur	µg/L		16.3	7.66 - 21.9	Not Reported				10.7	3.57	
7640	Fonofos	µg/L	15.3	17.7	6.31 - 27.6	Acceptable	DEPSOP:GC-012-3	4/25/2015	0.707	14.6	0.990	BURGOS_J
7770	Malathion	µg/L	3.34	2.86	0.286 - 4.82	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.11	2.65	0.619	BURGOS_J
7825	Methyl Parathion	µg/L	11.7	11.9	4.36 - 16.0	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.22	8.98	2.23	BURGOS_J
7985	Phorate	µg/L	13.3	12.8	4.98 - 16.1	Acceptable	DEPSOP:GC-012-3	4/25/2015	1.39	11.2	1.51	BURGOS_J
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8110	Ronnel	µg/L		10.6	4.66 - 12.8	Not Reported				7.74	1.58	



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WP Organophosphorous Pesticides (OPP) (cat# 934) (Continued)

8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8185	Terbufos	µg/L	4.36	4.39	1.18 - 5.77	Acceptable	DEPSOP:GC-012-3	4/25/2015	0.152	4.18	1.18	BURGOS_J



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CERTIFICATE OF RECOGNITION

ERA congratulates

State of Florida DEP Chemistry Laboratory

WP-243

For your participation and successful evaluation, we recognize the performance of this laboratory for achieving acceptable evaluation in the following standards.

Acids	Base/Neutrals	Chlordane	Chlorinated Acid Herbicides	Color
Complex Nutrients	Demand	Hardness	Low-Level Mercury	Mercury
Minerals	Nitrite	Nitroaromatics & Nitramines	Organochlorine Pesticides	Organophosphorous Pesticides (OPP)
PCBs in Oil	PCBs in Water	Silica	Simple Nutrients	Tin & Titanium
Total Cyanide	Toxaphene	Trace Metals	Turbidity	Volatiles



Kristina Sanchez
Quality Officer