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USA

WP-249 Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/16/15

Close Date: 11/30/15

Report Issued Date: 12/02/15

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December 2, 2015

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Enclosed is your final report for ERA's WP-249 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-249 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-249 WatR™Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

David Kilhefner
Quality Officer

attachments

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

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WP-249 Definitions & Study Discussion

Study Dates: 10/16/15 - 11/30/15 **Report Issued: 12/02/15**

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-249 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-249 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-249 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.

WP-249 Laboratory Exception Report

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2009 TNI Evaluation Checks

There are no values reported with < where the assigned value was greater than 0.

2009 TNI Not Acceptable Evaluations

TNI Analyte Code	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Organophosphorous Pesticides (OPP) (cat# 934, lot# P249-665)							
8625	Disulfoton	µg/L	12.3	7.38	1.22 - 12.0	Not Acceptable	DEPSOP:GC-012-3

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Final Report Results For Laboratory
State of Florida DEP Chemistry Laboratory

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2009 TNI Evaluation Report

Study: **WP-249**

ERA Customer Number: **S744803**

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

Inorganic Results

WP-249 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
WP Minerals (cat# 581, lot# P249-506)												
1505	Alkalinity as CaCO3	mg/L	98.8	99.6	84.7 - 115	Acceptable	SM2320B online	10/30/2015	-0.0825	99.1	4.04	SIMMONS_D
1575	Chloride	mg/L	51.4	52.0	45.1 - 59.1	Acceptable	EPA 300.0 2.1 1993	11/6/2015	-0.0512	51.5	2.22	HUA_P
1610	Conductivity at 25°C	µmhos/cm	399	393	354 - 432	Acceptable	EPA 120.1 1982	10/29/2015	-0.292	402	10.7	SIMMONS_D
1730	Fluoride	mg/L	1.20	1.24	0.960 - 1.49	Acceptable	SM4500F- C online	10/29/2015	0.0187	1.20	0.116	SIMMONS_D
1125	Potassium	mg/L	17.9	18.6	14.9 - 22.3	Acceptable	EPA 200.7 4.4 1994	11/6/2015	-0.409	18.3	1.04	AYRES_J
1155	Sodium	mg/L	76.4	79.8	63.8 - 95.8	Acceptable	EPA 200.7 4.4 1994	11/6/2015	-0.108	77.0	5.59	AYRES_J
2000	Sulfate	mg/L	18.8	19.8	15.5 - 23.2	Acceptable	EPA 300.0 2.1 1993	11/6/2015	-0.237	19.1	1.34	HUA_P
1955	Total Dissolved Solids at 180°C	mg/L	337	351	306 - 396	Acceptable	SM2540C online	11/3/2015	0.294	331	21.2	LI_Y
1950	Total Solids at 105°C	mg/L		361	316 - 406	Not Reported				349	21.2	
WP Hardness (cat# 580, lot# P249-507)												
1960	Total Suspended Solids	mg/L	51.6	52.5	41.0 - 59.9	Acceptable	SM 2540 D-1997 1997	11/10/2015	0.995	48.1	3.53	LI_Y
1035	Calcium	mg/L	46.1	46.5	39.5 - 53.5	Acceptable	EPA 200.7 4.4 1994	11/6/2015	0.0459	46.0	2.50	AYRES_J
1085	Magnesium	mg/L	6.76	6.95	5.91 - 7.99	Acceptable	EPA 200.7 4.4 1994	11/6/2015	-0.383	6.92	0.412	AYRES_J
1550	Calcium Hardness as CaCO3	mg/L		116	98.6 - 133	Not Reported				114	7.80	
1755	Total Hardness as CaCO3	mg/L	143	145	123 - 167	Acceptable	SM2340B online	11/6/2015	0.0883	142	7.40	AYRES_J
WP Simple Nutrients (cat# 584, lot# P249-505)												
1515	Ammonia as N	mg/L	13.6	13.3	10.7 - 15.9	Acceptable	EPA 350.1 2 1993	11/5/2015	0.323	13.3	0.896	TURNER_D
1820	Nitrate + Nitrite as N	mg/L	3.50	3.41	2.75 - 4.04	Acceptable	EPA 353.2 2 1993	11/4/2015	0.537	3.40	0.177	KAUS_P
1810	Nitrate as N	mg/L	3.58	3.41	2.69 - 4.11	Acceptable	EPA 300.0 2.1 1993	11/4/2015	1.03	3.40	0.176	HUA_P
1870	ortho-Phosphate as P	mg/L	2.78	2.75	2.34 - 3.16	Acceptable	EPA 365.1 2 1993	11/4/2015	-0.0279	2.78	0.169	WERTH_B

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WP Simple Nutrients (cat# 584, lot# P249-505)												
1515	Ammonia as N	mg/L		13.3	10.7 - 15.9	Not Reported				13.3	0.896	
1820	Nitrate + Nitrite as N	mg/L		3.41	2.75 - 4.04	Not Reported				3.40	0.177	
1810	Nitrate as N	mg/L	3.50	3.41	2.69 - 4.11	Acceptable	EPA 353.2 2 1993	11/4/2015	0.574	3.40	0.176	LOMASNEY_A
1870	ortho-Phosphate as P	mg/L		2.75	2.34 - 3.16	Not Reported				2.78	0.169	
WP Complex Nutrients (cat# 579, lot# P249-525)												
1795	Total Kjeldahl Nitrogen	mg/L	9.80	9.94	7.27 - 12.5	Acceptable	EPA 351.2 2 1993	11/10/2015	0.0687	9.73	1.03	WERTH_B
1910	Total phosphorus as P	mg/L	6.20	6.13	5.09 - 7.10	Acceptable	EPA 365.1 2 1993	11/6/2015	0.141	6.15	0.328	SAHA_L
WP Nitrite (cat# 888, lot# P249-770)												
1840	Nitrite as N	mg/L	3.73	3.84	3.33 - 4.35	Acceptable	EPA 353.2 2 1993	11/4/2015	-0.711	3.86	0.187	JACKSON_R
WP Demand (cat# 578, lot# P249-516)												
1530	BOD	mg/L	100	122	66.0 - 179	Acceptable	SM 5210 B-2001 2001	11/6/2015	-0.939	122	23.4	SPENCER_K
1555	CBOD	mg/L	81.0	111	51.9 - 170	Acceptable	SM 5210 B-2001 2001	11/6/2015	-1.71	116	20.2	SPENCER_K
1565	COD	mg/L		200	162 - 232	Not Reported				199	11.0	
2040	TOC	mg/L	78.5	79.0	66.3 - 90.9	Acceptable	SM 5310 B-2000 2000	11/6/2015	-0.314	79.3	2.64	ELNEMR_S

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WP Trace Metals (cat# 586, lot# P249-500)												
1000	Aluminum	µg/L	2080	1990	1650 - 2280	Acceptable	EPA 200.7 4.4 1994	11/5/2015	0.758	1990	114	AYRES_J
1005	Antimony	µg/L	596	593	482 - 686	Acceptable	EPA 200.7 4.4 1994	11/5/2015	0.231	586	43.6	AYRES_J
1010	Arsenic	µg/L	190	194	154 - 234	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.0354	190	11.5	AYRES_J
1015	Barium	µg/L	2150	2240	1900 - 2580	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.972	2240	95.4	AYRES_J
1020	Beryllium	µg/L	89.0	89.4	76.0 - 103	Acceptable	EPA 200.7 4.4 1994	11/5/2015	0.101	88.5	5.08	AYRES_J
1025	Boron	µg/L	967	999	849 - 1150	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.402	988	52.4	AYRES_J
1030	Cadmium	µg/L	404	425	361 - 489	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.622	415	17.9	AYRES_J
1040	Chromium	µg/L	688	697	592 - 802	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.189	694	31.3	AYRES_J
1050	Cobalt	µg/L	881	850	722 - 978	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.0933	885	40.9	AYRES_J
1055	Copper	µg/L	405	414	352 - 476	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.489	414	18.8	AYRES_J
1070	Iron	µg/L	3420	3340	2840 - 3840	Acceptable	EPA 200.7 4.4 1994	11/5/2015	0.281	3370	166	AYRES_J
1075	Lead	µg/L	261	272	231 - 313	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.898	274	14.5	AYRES_J
1090	Manganese	µg/L	260	255	217 - 293	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.173	262	12.4	AYRES_J
1100	Molybdenum	µg/L	107	110	89.4 - 129	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.197	108	6.11	AYRES_J
1105	Nickel	µg/L	1310	1360	1200 - 1520	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.389	1340	64.9	AYRES_J
1140	Selenium	µg/L	358	386	328 - 444	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.725	377	26.8	AYRES_J
1150	Silver	µg/L	344	367	312 - 422	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-1.23	365	17.1	AYRES_J
1160	Strontium	µg/L	366	376	320 - 432	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.839	384	21.5	AYRES_J
1165	Thallium	µg/L	310	313	252 - 368	Acceptable	EPA 200.7 4.4 1994	11/5/2015	0.0866	308	17.9	AYRES_J
1185	Vanadium	µg/L	624	654	556 - 752	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.760	645	27.2	AYRES_J

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WP Trace Metals (cat# 586, lot# P249-500) (Continued)												
1190	Zinc	µg/L	1370	1400	1190 - 1610	Acceptable	EPA 200.7 4.4 1994	11/5/2015	-0.485	1400	54.2	AYRES_J

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WP Trace Metals (cat# 586, lot# P249-500)												
1000	Aluminum	µg/L	1970	1990	1650 - 2280	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.208	1990	114	KPALMER_R
1005	Antimony	µg/L	552	593	482 - 686	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.778	586	43.6	KPALMER_R
1010	Arsenic	µg/L	185	194	154 - 234	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.472	190	11.5	KPALMER_R
1015	Barium	µg/L	2110	2240	1900 - 2580	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.39	2240	95.4	KPALMER_R
1020	Beryllium	µg/L		89.4	76.0 - 103	Not Reported				88.5	5.08	
1025	Boron	µg/L		999	849 - 1150	Not Reported				988	52.4	
1030	Cadmium	µg/L	391	425	361 - 489	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.35	415	17.9	KPALMER_R
1040	Chromium	µg/L	656	697	592 - 802	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.21	694	31.3	KPALMER_R
1050	Cobalt	µg/L	857	850	722 - 978	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.680	885	40.9	KPALMER_R
1055	Copper	µg/L	386	414	352 - 476	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.50	414	18.8	KPALMER_R
1070	Iron	µg/L		3340	2840 - 3840	Not Reported				3370	166	
1075	Lead	µg/L	253	272	231 - 313	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.45	274	14.5	KPALMER_R
1090	Manganese	µg/L	241	255	217 - 293	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.70	262	12.4	KPALMER_R
1100	Molybdenum	µg/L	106	110	89.4 - 129	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.361	108	6.11	KPALMER_R
1105	Nickel	µg/L	1270	1360	1200 - 1520	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.01	1340	64.9	KPALMER_R
1140	Selenium	µg/L	360	386	328 - 444	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.650	377	26.8	KPALMER_R
1150	Silver	µg/L	335	367	312 - 422	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.75	365	17.1	KPALMER_R
1160	Strontium	µg/L		376	320 - 432	Not Reported				384	21.5	
1165	Thallium	µg/L	299	313	252 - 368	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.530	308	17.9	KPALMER_R
1185	Vanadium	µg/L		654	556 - 752	Not Reported				645	27.2	

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WP Trace Metals (cat# 586, lot# P249-500) (Continued)												
1190	Zinc	µg/L	1330	1400	1190 - 1610	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-1.22	1400	54.2	KPALMER_R

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WP Trace Metals (cat# 586, lot# P249-500)												
1000	Aluminum	µg/L		1990	1650 - 2280	Not Reported				1990	114	
1005	Antimony	µg/L		593	482 - 686	Not Reported				586	43.6	
1010	Arsenic	µg/L		194	154 - 234	Not Reported				190	11.5	
1015	Barium	µg/L		2240	1900 - 2580	Not Reported				2240	95.4	
1020	Beryllium	µg/L	83.9	89.4	76.0 - 103	Acceptable	EPA 200.8 5.4 1994	11/13/2015	-0.903	88.5	5.08	PETERSON_C
1025	Boron	µg/L		999	849 - 1150	Not Reported				988	52.4	
1030	Cadmium	µg/L		425	361 - 489	Not Reported				415	17.9	
1040	Chromium	µg/L		697	592 - 802	Not Reported				694	31.3	
1050	Cobalt	µg/L		850	722 - 978	Not Reported				885	40.9	
1055	Copper	µg/L		414	352 - 476	Not Reported				414	18.8	
1070	Iron	µg/L		3340	2840 - 3840	Not Reported				3370	166	
1075	Lead	µg/L		272	231 - 313	Not Reported				274	14.5	
1090	Manganese	µg/L		255	217 - 293	Not Reported				262	12.4	
1100	Molybdenum	µg/L		110	89.4 - 129	Not Reported				108	6.11	
1105	Nickel	µg/L		1360	1200 - 1520	Not Reported				1340	64.9	
1140	Selenium	µg/L		386	328 - 444	Not Reported				377	26.8	
1150	Silver	µg/L		367	312 - 422	Not Reported				365	17.1	
1160	Strontium	µg/L		376	320 - 432	Not Reported				384	21.5	
1165	Thallium	µg/L		313	252 - 368	Not Reported				308	17.9	
1185	Vanadium	µg/L		654	556 - 752	Not Reported				645	27.2	

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WP Trace Metals (cat# 586, lot# P249-500) (Continued)												
1190	Zinc	µg/L		1400	1190 - 1610	Not Reported				1400	54.2	
WP Mercury (cat# 574, lot# P249-514)												
1095	Mercury	µg/L	4.43	4.47	3.13 - 5.81	Acceptable	EPA 245.1 3 1994	11/12/2015	0.0748	4.40	0.456	ACOSTA_M
WP Low-Level Mercury (cat# 896, lot# P249-931)												
1095	Low Level Mercury	ng/L	56.0	57.9	42.3 - 72.8	Acceptable	EPA 1631E 2002	11/3/2015	-0.259	57.6	6.27	TOPOLSKI_B
WP Tin & Titanium (cat# 573, lot# P249-517)												
1175	Tin	µg/L	836	860	602 - 1120	Acceptable	EPA 200.7 4.4 1994	11/6/2015	-0.438	852	36.9	AYRES_J
1180	Titanium	µg/L	248	263	224 - 302	Acceptable	EPA 200.7 4.4 1994	11/6/2015	-1.44	263	10.7	AYRES_J
WP Color (cat# 882, lot# P249-070)												
1605	Color	PC units	39.9	40.0	26.8 - 50.2	Acceptable	SM2120B online	11/10/2015	0.249	39.1	3.27	JACKSON_R
WP Turbidity (cat# 893, lot# P249-777)												
2055	Turbidity	NTU	9.69	9.54	7.71 - 11.4	Acceptable	EPA 180.1 2 1993	11/6/2015	0.195	9.56	0.651	FACH_B
WP Silica (cat# 890, lot# P249-775)												
1990	Silica as SiO2	mg/L	175	168	126 - 210	Acceptable	EPA 200.7 4.4 1994	11/6/2015	1.31	162	10.0	AYRES_J

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2009 TNI Evaluation Report

Study: **WP-249**

ERA Customer Number: **S744803**

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

Organic Results

WP-249 2009 TNI Evaluation Final Complete Report

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EPA ID: **FL01181**
ERA Customer Number: **S744803**
Report Issued: **12/02/15**
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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
WP Volatiles (cat# 830, lot# P249-710)												
4315	Acetone	µg/L		37.8	8.82 - 65.3	Not Reported				36.3	9.11	
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	11/5/2015				BERA_G
4340	Acrylonitrile	µg/L	< 1.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	11/5/2015				BERA_G
4375	Benzene	µg/L		14.4	10.1 - 18.7	Not Reported				14.4	1.21	
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		48.1	28.9 - 67.3	Not Reported				50.4	4.58	
4400	Bromoform	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4950	Bromomethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
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		< 9.00	0.00 - 9.00	Not Reported						
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		37.0	20.4 - 50.6	Not Reported				35.6	4.42	
4475	Chlorobenzene	µg/L		11.1	7.77 - 14.4	Not Reported				11.2	1.12	
4575	Chlorodibromomethane	µg/L		77.2	46.3 - 108	Not Reported				78.9	8.36	
4485	Chloroethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (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		40.5	24.3 - 56.7	Not Reported				40.0	5.50	
4585	1,2-Dibromoethane (EDB)	µg/L		< 6.50	0.00 - 6.50	Not Reported						
4595	Dibromomethane	µg/L		30.7	20.0 - 41.4	Not Reported				31.0	2.89	
4610	1,2-Dichlorobenzene	µg/L		13.9	9.73 - 18.1	Not Reported				13.8	1.51	
4615	1,3-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4620	1,4-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		37.2	23.6 - 51.1	Not Reported				37.1	3.74	
4635	1,2-Dichloroethane	µg/L		40.2	28.5 - 53.3	Not Reported				41.1	3.52	
4640	1,1-Dichloroethylene	µg/L		18.4	11.0 - 27.3	Not Reported				19.5	2.42	
4645	cis-1,2-Dichloroethylene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4700	trans-1,2-Dichloroethylene	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4655	1,2-Dichloropropane	µg/L		38.4	26.9 - 49.9	Not Reported				40.0	3.77	
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, lot# P249-710) (Continued)												
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L		19.7	12.8 - 26.6	Not Reported				18.9	1.65	
4685	trans-1,3-Dichloropropylene	µg/L		29.3	19.0 - 39.6	Not Reported				28.1	2.61	
4765	Ethylbenzene	µg/L		57.4	40.2 - 74.6	Not Reported				57.2	5.77	
4835	Hexachlorobutadiene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
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		< 6.00	0.00 - 6.00	Not Reported						
4995	4-Methyl-2-pentanone (MIBK)	µg/L		30.4	8.37 - 50.5	Not Reported				31.0	3.11	
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						
5015	Nitrobenzene	µg/L		31.4	9.97 - 38.9	Not Reported				24.0	3.58	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L		< 13.0	0.00 - 13.0	Not Reported						
5105	1,1,1,2-Tetrachloroethane	µg/L		23.2	15.1 - 31.3	Not Reported				23.7	2.85	
5110	1,1,2,2-Tetrachloroethane	µg/L		26.6	17.3 - 35.9	Not Reported				26.8	3.10	
5115	Tetrachloroethylene	µg/L		20.4	10.4 - 27.0	Not Reported				19.2	2.96	
5140	Toluene	µg/L		19.7	13.8 - 25.6	Not Reported				19.6	1.40	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
5155	1,2,4-Trichlorobenzene	µg/L		71.2	30.9 - 96.9	Not Reported				70.2	9.22	
5160	1,1,1-Trichloroethane	µg/L		21.9	13.1 - 30.7	Not Reported				21.2	2.11	
5165	1,1,2-Trichloroethane	µg/L		29.3	20.5 - 38.1	Not Reported				30.0	2.50	
5170	Trichloroethylene	µg/L		34.7	22.0 - 45.9	Not Reported				34.0	2.90	
5175	Trichlorofluoromethane	µg/L		20.5	8.20 - 32.8	Not Reported				22.0	3.19	
5180	1,2,3-Trichloropropane (TCP)	µg/L		17.7	5.46 - 28.5	Not Reported				18.7	4.09	
5210	1,2,4-Trimethylbenzene	µg/L		27.9	18.1 - 37.7	Not Reported				27.2	4.60	
5215	1,3,5-Trimethylbenzene	µg/L		18.6	12.1 - 25.1	Not Reported				18.1	2.82	
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		21.1	8.44 - 33.8	Not Reported				22.7	3.44	
5240	m&p-Xylene	µg/L		46.4	27.8 - 65.0	Not Reported				45.9	4.93	
5250	o-Xylene	µg/L		28.5	17.1 - 39.9	Not Reported				28.0	3.22	
5260	Xylenes, total	µg/L		74.9	44.9 - 105	Not Reported				73.9	7.70	

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WP Volatiles (cat# 830, lot# P249-710)												
4315	Acetone	µg/L		37.8	8.82 - 65.3	Not Reported				36.3	9.11	
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		14.4	10.1 - 18.7	Not Reported				14.4	1.21	
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		48.1	28.9 - 67.3	Not Reported				50.4	4.58	
4400	Bromoform	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4950	Bromomethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
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		< 9.00	0.00 - 9.00	Not Reported						
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		37.0	20.4 - 50.6	Not Reported				35.6	4.42	
4475	Chlorobenzene	µg/L		11.1	7.77 - 14.4	Not Reported				11.2	1.12	
4575	Chlorodibromomethane	µg/L		77.2	46.3 - 108	Not Reported				78.9	8.36	
4485	Chloroethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (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	38.9	40.5	24.3 - 56.7	Acceptable	EPA 8260C 2006	11/4/2015	-0.203	40.0	5.50	BERA_G
4585	1,2-Dibromoethane (EDB)	µg/L	< 5.00	< 6.50	0.00 - 6.50	Acceptable	EPA 8260C 2006	11/4/2015				BERA_G
4595	Dibromomethane	µg/L		30.7	20.0 - 41.4	Not Reported				31.0	2.89	
4610	1,2-Dichlorobenzene	µg/L		13.9	9.73 - 18.1	Not Reported				13.8	1.51	
4615	1,3-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4620	1,4-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		37.2	23.6 - 51.1	Not Reported				37.1	3.74	
4635	1,2-Dichloroethane	µg/L		40.2	28.5 - 53.3	Not Reported				41.1	3.52	
4640	1,1-Dichloroethylene	µg/L		18.4	11.0 - 27.3	Not Reported				19.5	2.42	
4645	cis-1,2-Dichloroethylene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4700	trans-1,2-Dichloroethylene	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4655	1,2-Dichloropropane	µg/L	38.8	38.4	26.9 - 49.9	Acceptable	EPA 8260C 2006	11/4/2015	-0.327	40.0	3.77	BERA_G
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, lot# P249-710) (Continued)												
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L	19.1	19.7	12.8 - 26.6	Acceptable	EPA 8260C 2006	11/4/2015	0.145	18.9	1.65	BERA_G
4685	trans-1,3-Dichloropropylene	µg/L	30.6	29.3	19.0 - 39.6	Acceptable	EPA 8260C 2006	11/4/2015	0.964	28.1	2.61	BERA_G
4765	Ethylbenzene	µg/L		57.4	40.2 - 74.6	Not Reported				57.2	5.77	
4835	Hexachlorobutadiene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
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		< 6.00	0.00 - 6.00	Not Reported						
4995	4-Methyl-2-pentanone (MIBK)	µg/L		30.4	8.37 - 50.5	Not Reported				31.0	3.11	
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						
5015	Nitrobenzene	µg/L		31.4	9.97 - 38.9	Not Reported				24.0	3.58	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L		< 13.0	0.00 - 13.0	Not Reported						
5105	1,1,1,2-Tetrachloroethane	µg/L		23.2	15.1 - 31.3	Not Reported				23.7	2.85	
5110	1,1,2,2-Tetrachloroethane	µg/L		26.6	17.3 - 35.9	Not Reported				26.8	3.10	
5115	Tetrachloroethylene	µg/L		20.4	10.4 - 27.0	Not Reported				19.2	2.96	
5140	Toluene	µg/L		19.7	13.8 - 25.6	Not Reported				19.6	1.40	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
5155	1,2,4-Trichlorobenzene	µg/L		71.2	30.9 - 96.9	Not Reported				70.2	9.22	
5160	1,1,1-Trichloroethane	µg/L		21.9	13.1 - 30.7	Not Reported				21.2	2.11	
5165	1,1,2-Trichloroethane	µg/L		29.3	20.5 - 38.1	Not Reported				30.0	2.50	
5170	Trichloroethylene	µg/L		34.7	22.0 - 45.9	Not Reported				34.0	2.90	
5175	Trichlorofluoromethane	µg/L		20.5	8.20 - 32.8	Not Reported				22.0	3.19	
5180	1,2,3-Trichloropropane (TCP)	µg/L	18.3	17.7	5.46 - 28.5	Acceptable	EPA 8260C 2006	11/4/2015	-0.0902	18.7	4.09	BERA_G
5210	1,2,4-Trimethylbenzene	µg/L		27.9	18.1 - 37.7	Not Reported				27.2	4.60	
5215	1,3,5-Trimethylbenzene	µg/L		18.6	12.1 - 25.1	Not Reported				18.1	2.82	
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		21.1	8.44 - 33.8	Not Reported				22.7	3.44	
5240	m&p-Xylene	µg/L		46.4	27.8 - 65.0	Not Reported				45.9	4.93	
5250	o-Xylene	µg/L		28.5	17.1 - 39.9	Not Reported				28.0	3.22	
5260	Xylenes, total	µg/L		74.9	44.9 - 105	Not Reported				73.9	7.70	

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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
WP Volatiles (cat# 830, lot# P249-710)												
4315	Acetone	µg/L	36.3	37.8	8.82 - 65.3	Acceptable	EPA 8260C 2006	11/5/2015	0.00512	36.3	9.11	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	14.0	14.4	10.1 - 18.7	Acceptable	EPA 8260C 2006	11/5/2015	-0.351	14.4	1.21	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	51.1	48.1	28.9 - 67.3	Acceptable	EPA 8260C 2006	11/5/2015	0.143	50.4	4.58	BOOESHAG_F
4400	Bromoform	µg/L	< 0.500	< 6.00	0.00 - 6.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4950	Bromomethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4410	2-Butanone (MEK)	µg/L	< 5.00	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	11/5/2015				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	< 0.200	< 9.00	0.00 - 9.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4450	Carbon disulfide	µg/L	< 0.500	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4455	Carbon tetrachloride	µg/L	36.7	37.0	20.4 - 50.6	Acceptable	EPA 8260C 2006	11/5/2015	0.257	35.6	4.42	BOOESHAG_F
4475	Chlorobenzene	µg/L	10.9	11.1	7.77 - 14.4	Acceptable	EPA 8260C 2006	11/5/2015	-0.294	11.2	1.12	BOOESHAG_F
4575	Chlorodibromomethane	µg/L	80.9	77.2	46.3 - 108	Acceptable	EPA 8260C 2006	11/5/2015	0.234	78.9	8.36	BOOESHAG_F
4485	Chloroethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L	< 0.200	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4960	Chloromethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	11/5/2015				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		40.5	24.3 - 56.7	Not Reported				40.0	5.50	
4585	1,2-Dibromoethane (EDB)	µg/L		< 6.50	0.00 - 6.50	Not Reported						
4595	Dibromomethane	µg/L		30.7	20.0 - 41.4	Not Reported				31.0	2.89	
4610	1,2-Dichlorobenzene	µg/L	15.1	13.9	9.73 - 18.1	Acceptable	EPA 8260C 2006	11/5/2015	0.858	13.8	1.51	BOOESHAG_F
4615	1,3-Dichlorobenzene	µg/L	< 0.500	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4620	1,4-Dichlorobenzene	µg/L	< 0.500	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4625	Dichlorodifluoromethane (Freon 12)	µg/L	< 0.200	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4630	1,1-Dichloroethane	µg/L	37.6	37.2	23.6 - 51.1	Acceptable	EPA 8260C 2006	11/5/2015	0.126	37.1	3.74	BOOESHAG_F
4635	1,2-Dichloroethane	µg/L	42.9	40.2	28.5 - 53.3	Acceptable	EPA 8260C 2006	11/5/2015	0.524	41.1	3.52	BOOESHAG_F
4640	1,1-Dichloroethylene	µg/L	17.8	18.4	11.0 - 27.3	Acceptable	EPA 8260C 2006	11/5/2015	-0.708	19.5	2.42	BOOESHAG_F
4645	cis-1,2-Dichloroethylene	µg/L	< 0.200	< 7.00	0.00 - 7.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4700	trans-1,2-Dichloroethylene	µg/L	< 0.200	< 6.00	0.00 - 6.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4655	1,2-Dichloropropane	µg/L		38.4	26.9 - 49.9	Not Reported				40.0	3.77	
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, lot# P249-710) (Continued)												
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L		19.7	12.8 - 26.6	Not Reported				18.9	1.65	
4685	trans-1,3-Dichloropropylene	µg/L		29.3	19.0 - 39.6	Not Reported				28.1	2.61	
4765	Ethylbenzene	µg/L	63.3	57.4	40.2 - 74.6	Acceptable	EPA 8260C 2006	11/5/2015	1.06	57.2	5.77	BOOESHAG_F
4835	Hexachlorobutadiene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
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	11/5/2015				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	< 1.00	< 6.00	0.00 - 6.00	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
4995	4-Methyl-2-pentanone (MIBK)	µg/L	31.0	30.4	8.37 - 50.5	Acceptable	EPA 8260C 2006	11/5/2015	0.000374	31.0	3.11	BOOESHAG_F
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						
5015	Nitrobenzene	µg/L		31.4	9.97 - 38.9	Not Reported				24.0	3.58	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L	< 0.200	< 13.0	0.00 - 13.0	Acceptable	EPA 8260C 2006	11/5/2015				BOOESHAG_F
5105	1,1,1,2-Tetrachloroethane	µg/L		23.2	15.1 - 31.3	Not Reported				23.7	2.85	
5110	1,1,2,2-Tetrachloroethane	µg/L	29.9	26.6	17.3 - 35.9	Acceptable	EPA 8260C 2006	11/5/2015	0.989	26.8	3.10	BOOESHAG_F
5115	Tetrachloroethylene	µg/L	20.3	20.4	10.4 - 27.0	Acceptable	EPA 8260C 2006	11/5/2015	0.359	19.2	2.96	BOOESHAG_F
5140	Toluene	µg/L	20.6	19.7	13.8 - 25.6	Acceptable	EPA 8260C 2006	11/5/2015	0.747	19.6	1.40	BOOESHAG_F
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
5155	1,2,4-Trichlorobenzene	µg/L		71.2	30.9 - 96.9	Not Reported				70.2	9.22	
5160	1,1,1-Trichloroethane	µg/L	20.3	21.9	13.1 - 30.7	Acceptable	EPA 8260C 2006	11/5/2015	-0.437	21.2	2.11	BOOESHAG_F
5165	1,1,2-Trichloroethane	µg/L	31.4	29.3	20.5 - 38.1	Acceptable	EPA 8260C 2006	11/5/2015	0.554	30.0	2.50	BOOESHAG_F
5170	Trichloroethylene	µg/L	32.2	34.7	22.0 - 45.9	Acceptable	EPA 8260C 2006	11/5/2015	-0.617	34.0	2.90	BOOESHAG_F
5175	Trichlorofluoromethane	µg/L	23.2	20.5	8.20 - 32.8	Acceptable	EPA 8260C 2006	11/5/2015	0.375	22.0	3.19	BOOESHAG_F
5180	1,2,3-Trichloropropane (TCP)	µg/L		17.7	5.46 - 28.5	Not Reported				18.7	4.09	
5210	1,2,4-Trimethylbenzene	µg/L		27.9	18.1 - 37.7	Not Reported				27.2	4.60	
5215	1,3,5-Trimethylbenzene	µg/L		18.6	12.1 - 25.1	Not Reported				18.1	2.82	
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L	20.9	21.1	8.44 - 33.8	Acceptable	EPA 8260C 2006	11/5/2015	-0.513	22.7	3.44	BOOESHAG_F
5240	m&p-Xylene	µg/L	48.3	46.4	27.8 - 65.0	Acceptable	EPA 8260C 2006	11/5/2015	0.490	45.9	4.93	BOOESHAG_F
5250	o-Xylene	µg/L	31.0	28.5	17.1 - 39.9	Acceptable	EPA 8260C 2006	11/5/2015	0.936	28.0	3.22	BOOESHAG_F
5260	Xylenes, total	µg/L	79.3	74.9	44.9 - 105	Acceptable	EPA 8260C 2006	11/5/2015	0.704	73.9	7.70	BOOESHAG_F

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WP Volatiles (cat# 830, lot# P249-710)												
4315	Acetone	µg/L		37.8	8.82 - 65.3	Not Reported				36.3	9.11	
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		14.4	10.1 - 18.7	Not Reported				14.4	1.21	
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		48.1	28.9 - 67.3	Not Reported				50.4	4.58	
4400	Bromoform	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4950	Bromomethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
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		< 9.00	0.00 - 9.00	Not Reported						
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		37.0	20.4 - 50.6	Not Reported				35.6	4.42	
4475	Chlorobenzene	µg/L		11.1	7.77 - 14.4	Not Reported				11.2	1.12	
4575	Chlorodibromomethane	µg/L		77.2	46.3 - 108	Not Reported				78.9	8.36	
4485	Chloroethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
4500	2-Chloroethylvinylether	µg/L	< 0.200	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	11/5/2015				LUO_Y
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		40.5	24.3 - 56.7	Not Reported				40.0	5.50	
4585	1,2-Dibromoethane (EDB)	µg/L		< 6.50	0.00 - 6.50	Not Reported						
4595	Dibromomethane	µg/L		30.7	20.0 - 41.4	Not Reported				31.0	2.89	
4610	1,2-Dichlorobenzene	µg/L		13.9	9.73 - 18.1	Not Reported				13.8	1.51	
4615	1,3-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4620	1,4-Dichlorobenzene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		37.2	23.6 - 51.1	Not Reported				37.1	3.74	
4635	1,2-Dichloroethane	µg/L		40.2	28.5 - 53.3	Not Reported				41.1	3.52	
4640	1,1-Dichloroethylene	µg/L		18.4	11.0 - 27.3	Not Reported				19.5	2.42	
4645	cis-1,2-Dichloroethylene	µg/L		< 7.00	0.00 - 7.00	Not Reported						
4700	trans-1,2-Dichloroethylene	µg/L		< 6.00	0.00 - 6.00	Not Reported						
4655	1,2-Dichloropropane	µg/L		38.4	26.9 - 49.9	Not Reported				40.0	3.77	
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, lot# P249-710) (Continued)												
4670	1,1-Dichloropropene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4680	cis-1,3-Dichloropropylene	µg/L		19.7	12.8 - 26.6	Not Reported				18.9	1.65	
4685	trans-1,3-Dichloropropylene	µg/L		29.3	19.0 - 39.6	Not Reported				28.1	2.61	
4765	Ethylbenzene	µg/L		57.4	40.2 - 74.6	Not Reported				57.2	5.77	
4835	Hexachlorobutadiene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
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		< 6.00	0.00 - 6.00	Not Reported						
4995	4-Methyl-2-pentanone (MIBK)	µg/L		30.4	8.37 - 50.5	Not Reported				31.0	3.11	
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						
5015	Nitrobenzene	µg/L		31.4	9.97 - 38.9	Not Reported				24.0	3.58	
5090	n-Propylbenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5100	Styrene	µg/L		< 13.0	0.00 - 13.0	Not Reported						
5105	1,1,1,2-Tetrachloroethane	µg/L		23.2	15.1 - 31.3	Not Reported				23.7	2.85	
5110	1,1,2,2-Tetrachloroethane	µg/L		26.6	17.3 - 35.9	Not Reported				26.8	3.10	
5115	Tetrachloroethylene	µg/L		20.4	10.4 - 27.0	Not Reported				19.2	2.96	
5140	Toluene	µg/L		19.7	13.8 - 25.6	Not Reported				19.6	1.40	
5150	1,2,3-Trichlorobenzene	µg/L		< 5.00	0.00 - 5.00	Not Reported						

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WP Volatiles (cat# 830, lot# P249-710) (Continued)												
5155	1,2,4-Trichlorobenzene	µg/L		71.2	30.9 - 96.9	Not Reported				70.2	9.22	
5160	1,1,1-Trichloroethane	µg/L		21.9	13.1 - 30.7	Not Reported				21.2	2.11	
5165	1,1,2-Trichloroethane	µg/L		29.3	20.5 - 38.1	Not Reported				30.0	2.50	
5170	Trichloroethylene	µg/L		34.7	22.0 - 45.9	Not Reported				34.0	2.90	
5175	Trichlorofluoromethane	µg/L		20.5	8.20 - 32.8	Not Reported				22.0	3.19	
5180	1,2,3-Trichloropropane (TCP)	µg/L		17.7	5.46 - 28.5	Not Reported				18.7	4.09	
5210	1,2,4-Trimethylbenzene	µg/L		27.9	18.1 - 37.7	Not Reported				27.2	4.60	
5215	1,3,5-Trimethylbenzene	µg/L		18.6	12.1 - 25.1	Not Reported				18.1	2.82	
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		21.1	8.44 - 33.8	Not Reported				22.7	3.44	
5240	m&p-Xylene	µg/L		46.4	27.8 - 65.0	Not Reported				45.9	4.93	
5250	o-Xylene	µg/L		28.5	17.1 - 39.9	Not Reported				28.0	3.22	
5260	Xylenes, total	µg/L		74.9	44.9 - 105	Not Reported				73.9	7.70	

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EPA ID: **FL01181**
ERA Customer Number: **S744803**
Report Issued: **12/02/15**
Study Dates: **10/16/15 - 11/30/15**

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
WP Chlorinated Acid Herbicides (cat# 829, lot# P249-718)												
8505	Acifluorfen	µg/L	9.76	9.62	1.35 - 14.2	Acceptable	EPA 8321B 1998	11/17/2015	-0.266	10.4	2.49	KIM_J
8530	Bentazon	µg/L	6.90	6.47	0.647 - 11.8	Acceptable	EPA 8321B 1998	11/17/2015	0.553	5.86	1.88	KIM_J
8540	Chloramben	µg/L		6.44	0.644 - 9.81	Not Reported				4.29	1.66	
8545	2,4-D	µg/L	5.64	6.06	0.606 - 9.38	Acceptable	EPA 8321B 1998	11/17/2015	0.194	5.52	0.633	KIM_J
8560	2,4-DB	µg/L	8.88	9.85	0.985 - 16.7	Acceptable	EPA 8321B 1998	11/17/2015	-0.0623	9.03	2.36	KIM_J
8550	Dacthal diacid (DCPA)	µg/L		5.98	0.755 - 8.53	Not Reported				6.66	1.97	
8555	Dalapon	µg/L		5.26	0.526 - 8.30	Not Reported				2.94	2.29	
8595	Dicamba	µg/L	7.08	7.03	1.66 - 9.93	Acceptable	EPA 8321B 1998	11/17/2015	1.13	5.86	1.08	KIM_J
8600	3,5-Dichlorobenzoic acid	µg/L		7.23	1.52 - 10.9	Not Reported				6.22	0.595	
8605	Dichlorprop	µg/L	2.47	2.85	0.488 - 4.28	Acceptable	EPA 8321B 1998	11/17/2015	0.0472	2.46	0.303	KIM_J
8620	Dinoseb	µg/L	7.23	6.83	0.683 - 10.3	Acceptable	EPA 8321B 1998	11/17/2015	1.48	5.11	1.43	KIM_J
7775	MCPA	µg/L	< 0.0400	< 10.0	0.00 - 10.0	Acceptable	EPA 8321B 1998	11/17/2015				KIM_J
7780	MCPP	µg/L	< 0.0400	< 10.0	0.00 - 10.0	Acceptable	EPA 8321B 1998	11/17/2015				KIM_J
6500	4-Nitrophenol	µg/L		2.63	0.263 - 4.04	Not Reported				5.00	0.00	
6605	Pentachlorophenol	µg/L		2.08	0.268 - 3.14	Not Reported				1.52	0.266	
8645	Picloram	µg/L	9.20	8.59	0.859 - 13.9	Acceptable	EPA 8321B 1998	11/17/2015	1.18	7.34	1.57	KIM_J
8655	2,4,5-T	µg/L	4.97	5.74	1.22 - 8.40	Acceptable	EPA 8321B 1998	11/17/2015	-0.547	5.63	1.21	KIM_J
8650	2,4,5-TP (Silvex)	µg/L	9.36	9.44	2.18 - 13.9	Acceptable	EPA 8321B 1998	11/17/2015	0.761	8.67	0.913	KIM_J

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WP PCBs in Water (cat# 832S, lot# P249-734S)												
8880	Aroclor 1016	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8885	Aroclor 1221	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8890	Aroclor 1232	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8895	Aroclor 1242	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8900	Aroclor 1248	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8905	Aroclor 1254	µg/L	< 0.0200	< 0.800	0.00 - 0.800	Acceptable	EPA 8082A 2000	10/31/2015				NAGAR_V
8910	Aroclor 1260	µg/L	4.32	4.05	1.52 - 5.62	Acceptable	EPA 8082A 2000	10/31/2015	1.40	3.63	0.494	NAGAR_V
WP PCBs in Oil (cat# 835S, lot# P249-729S)												
8880	Aroclor 1016	mg/kg	< 1.00	< 1.70	0.00 - 1.70	Acceptable	EPA 8270D 2007	10/30/2015				NAGAR_V
8895	Aroclor 1242	mg/kg	51.0	38.5	6.92 - 52.0	Acceptable	EPA 8270D 2007	11/4/2015	2.80	30.3	7.38	NAGAR_V
8905	Aroclor 1254	mg/kg	< 1.00	< 1.60	0.00 - 1.60	Acceptable	EPA 8270D 2007	10/30/2015				NAGAR_V
8910	Aroclor 1260	mg/kg	< 1.00	< 2.40	0.00 - 2.40	Acceptable	EPA 8270D 2007	10/30/2015				NAGAR_V

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WP Base/Neutrals (cat# 833, lot# P249-711)												
5500	Acenaphthene	µg/L	34.2	38.4	13.8 - 47.4	Acceptable	EPA 8270D 2007	11/9/2015	1.01	28.9	5.26	GHAFFARI_M
5505	Acenaphthylene	µg/L	< 0.200	< 2.90	0.00 - 2.90	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5545	Aniline	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5555	Anthracene	µg/L	15.8	19.3	7.89 - 26.5	Acceptable	EPA 8270D 2007	11/9/2015	-0.00216	15.8	2.80	GHAFFARI_M
5595	Benzidine	µg/L	< 100	< 200	0.00 - 200	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	22.2	25.3	11.1 - 32.4	Acceptable	EPA 8270D 2007	11/9/2015	0.438	20.9	3.03	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	24.5	24.7	9.30 - 32.1	Acceptable	EPA 8270D 2007	11/9/2015	1.35	20.5	2.97	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	24.2	24.7	5.13 - 39.5	Acceptable	EPA 8270D 2007	11/9/2015	0.766	21.9	3.01	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	16.4	17.1	7.65 - 23.7	Acceptable	EPA 8270D 2007	11/9/2015	0.453	15.3	2.36	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	20.2	22.1	6.94 - 29.2	Acceptable	EPA 8270D 2007	11/9/2015	0.813	17.7	3.12	GHAFFARI_M
5630	Benzyl alcohol	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5660	4-Bromophenyl-phenylether	µg/L	66.7	67.3	28.0 - 86.9	Acceptable	EPA 8270D 2007	11/9/2015	1.65	54.1	7.63	GHAFFARI_M
5670	Butylbenzylphthalate	µg/L	< 1.00	< 13.4	0.00 - 13.4	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5680	Carbazole	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5745	4-Chloroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5760	bis(2-Chloroethoxy)methane	µg/L	81.0	88.9	31.7 - 105	Acceptable	EPA 8270D 2007	11/9/2015	0.763	70.9	13.2	GHAFFARI_M
5765	bis(2-Chloroethyl)ether	µg/L	< 1.00	< 5.90	0.00 - 5.90	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5780	bis(2-Chloroisopropyl)ether	µg/L	< 3.00	< 3.10	0.00 - 3.10	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5790	1-Chloronaphthalene	µg/L		< 10.0	0.00 - 10.0	Not Reported						

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WP Base/Neutrals (cat# 833, lot# P249-711) (Continued)												
5795	2-Chloronaphthalene	µg/L	115	132	36.2 - 156	Acceptable	EPA 8270D 2007	11/9/2015	1.55	89.3	16.6	GHAFFARI_M
5825	4-Chlorophenyl-phenylether	µg/L	< 2.00	< 9.90	0.00 - 9.90	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5855	Chrysene	µg/L	15.2	17.4	8.87 - 24.3	Acceptable	EPA 8270D 2007	11/9/2015	-0.367	15.9	1.94	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	28.8	26.9	9.42 - 38.8	Acceptable	EPA 8270D 2007	11/9/2015	1.47	24.5	2.91	GHAFFARI_M
5905	Dibenzofuran	µg/L	46.1	46.2	17.7 - 56.2	Acceptable	EPA 8270D 2007	11/9/2015	2.01	34.7	5.68	GHAFFARI_M
5925	Di-n-butylphthalate	µg/L	< 1.00	< 15.8	0.00 - 15.8	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
4610	1,2-Dichlorobenzene	µg/L		34.5	3.45 - 45.1	Not Reported				21.0	6.13	
4615	1,3-Dichlorobenzene	µg/L		71.0	7.10 - 84.2	Not Reported				40.6	14.5	
4620	1,4-Dichlorobenzene	µg/L		24.0	3.96 - 30.5	Not Reported				14.5	4.18	
5945	3,3'-Dichlorobenzidine	µg/L	< 40.0	< 5.00	0.00 - 5.00	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6070	Diethylphthalate	µg/L	< 1.00	< 8.90	0.00 - 8.90	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6135	Dimethylphthalate	µg/L	< 1.00	< 11.5	0.00 - 11.5	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L	85.2	96.6	40.3 - 119	Acceptable	EPA 8270D 2007	11/9/2015	0.639	76.3	13.9	GHAFFARI_M
6190	2,6-Dinitrotoluene	µg/L	99.4	103	41.8 - 124	Acceptable	EPA 8270D 2007	11/9/2015	1.04	84.5	14.2	GHAFFARI_M
6200	Di-n-octylphthalate	µg/L	141	115	33.8 - 160	Acceptable	EPA 8270D 2007	11/9/2015	2.71	96.4	16.5	GHAFFARI_M
6065	bis(2-Ethylhexyl)phthalate	µg/L	122	112	38.5 - 147	Acceptable	EPA 8270D 2007	11/9/2015	1.19	98.4	19.7	GHAFFARI_M
6265	Fluoranthene	µg/L	< 0.200	< 15.6	0.00 - 15.6	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6270	Fluorene	µg/L	66.2	77.6	32.7 - 93.1	Acceptable	EPA 8270D 2007	11/9/2015	0.339	63.4	8.35	GHAFFARI_M
6275	Hexachlorobenzene	µg/L	< 1.00	< 8.80	0.00 - 8.80	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
4835	Hexachlorobutadiene	µg/L	< 3.00	< 4.30	0.00 - 4.30	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M

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WP Base/Neutrals (cat# 833, lot# P249-711) (Continued)												
6285	Hexachlorocyclopentadiene	µg/L	35.6	58.9	5.89 - 81.4	Acceptable	EPA 8270D 2007	11/9/2015	0.589	29.2	10.9	GHAFFARI_M
4840	Hexachloroethane	µg/L	< 3.00	< 3.30	0.00 - 3.30	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	34.7	36.2	11.0 - 50.6	Acceptable	EPA 8270D 2007	11/9/2015	0.910	30.9	4.22	GHAFFARI_M
6320	Isophorone	µg/L	64.4	80.9	29.5 - 101	Acceptable	EPA 8270D 2007	11/9/2015	0.974	55.3	9.40	GHAFFARI_M
6385	2-Methylnaphthalene	µg/L	39.7	40.4	7.37 - 53.2	Acceptable	EPA 8270D 2007	11/9/2015	1.17	31.5	6.99	GHAFFARI_M
5005	Naphthalene	µg/L	71.0	86.2	20.6 - 103	Acceptable	EPA 8270D 2007	11/9/2015	0.801	60.7	12.9	GHAFFARI_M
6460	2-Nitroaniline	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				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	< 2.00	< 6.20	0.00 - 6.20	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6525	N-Nitrosodiethylamine	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6530	N-Nitrosodimethylamine	µg/L	< 2.00	< 7.50	0.00 - 7.50	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6535	N-Nitrosodiphenylamine	µg/L	< 3.00	< 5.60	0.00 - 5.60	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6545	N-Nitroso-di-n-propylamine	µg/L	107	112	36.4 - 141	Acceptable	EPA 8270D 2007	11/9/2015	1.02	88.5	18.1	GHAFFARI_M
6590	Pentachlorobenzene	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6615	Phenanthrene	µg/L	47.3	58.1	27.2 - 71.5	Acceptable	EPA 8270D 2007	11/9/2015	0.0765	46.8	6.40	GHAFFARI_M
6665	Pyrene	µg/L	< 0.200	< 4.90	0.00 - 4.90	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5095	Pyridine	µg/L	< 4.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6715	1,2,4,5-Tetrachlorobenzene	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5155	1,2,4-Trichlorobenzene	µg/L	37.4	47.3	6.51 - 59.8	Acceptable	EPA 8270D 2007	11/9/2015	0.934	29.7	8.21	GHAFFARI_M

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WP Acids (cat# 834, lot# P249-712)												
5610	Benzoic acid	µg/L	< 10.0	< 30.0	0.00 - 30.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
5700	4-Chloro-3-methylphenol	µg/L	65.7	72.6	27.6 - 89.8	Acceptable	EPA 8270D 2007	11/9/2015	1.11	54.8	9.84	GHAFFARI_M
5800	2-Chlorophenol	µg/L	45.8	49.6	15.0 - 60.3	Acceptable	EPA 8270D 2007	11/9/2015	0.863	38.8	8.12	GHAFFARI_M
6000	2,4-Dichlorophenol	µg/L	54.9	60.2	21.1 - 73.2	Acceptable	EPA 8270D 2007	11/9/2015	1.13	45.8	8.09	GHAFFARI_M
6005	2,6-Dichlorophenol	µg/L	66.6	67.4	22.7 - 86.1	Acceptable	EPA 8270D 2007	11/9/2015	1.36	53.1	9.94	GHAFFARI_M
6130	2,4-Dimethylphenol	µg/L	45.1	50.0	14.6 - 63.2	Acceptable	EPA 8270D 2007	11/9/2015	1.23	36.2	7.25	GHAFFARI_M
6360	4,6-Dinitro-2-methylphenol	µg/L	57.6	65.9	19.5 - 94.7	Acceptable	EPA 8270D 2007	11/9/2015	0.477	50.5	14.9	GHAFFARI_M
6175	2,4-Dinitrophenol	µg/L	81.9	139	13.9 - 191	Acceptable	EPA 8270D 2007	11/9/2015	-0.585	94.7	22.0	GHAFFARI_M
6400	2-Methylphenol	µg/L	42.4	47.9	11.3 - 58.5	Acceptable	EPA 8270D 2007	11/9/2015	0.897	35.7	7.47	GHAFFARI_M
6410	4-Methylphenol	µg/L	84.4	97.9	9.79 - 127	Acceptable	EPA 8270D 2007	11/9/2015	1.20	63.1	17.8	GHAFFARI_M
6490	2-Nitrophenol	µg/L	51.0	57.9	15.9 - 74.8	Acceptable	EPA 8270D 2007	11/9/2015	0.920	43.6	8.00	GHAFFARI_M
6500	4-Nitrophenol	µg/L	41.2	107	10.7 - 145	Acceptable	EPA 8270D 2007	11/9/2015	-0.332	49.0	23.5	GHAFFARI_M
6605	Pentachlorophenol	µg/L	56.6	58.4	16.8 - 80.6	Acceptable	EPA 8270D 2007	11/9/2015	1.01	47.4	9.08	GHAFFARI_M
6625	Phenol	µg/L	44.8	130	13.0 - 175	Acceptable	EPA 8270D 2007	11/9/2015	-0.300	51.3	21.5	GHAFFARI_M
6735	2,3,4,6-Tetrachlorophenol	µg/L	< 2.00	< 30.0	0.00 - 30.0	Acceptable	EPA 8270D 2007	11/9/2015				GHAFFARI_M
6835	2,4,5-Trichlorophenol	µg/L	87.8	91.4	33.5 - 114	Acceptable	EPA 8270D 2007	11/9/2015	1.17	74.0	11.8	GHAFFARI_M
6840	2,4,6-Trichlorophenol	µg/L	64.0	70.9	26.7 - 86.7	Acceptable	EPA 8270D 2007	11/9/2015	0.969	54.7	9.57	GHAFFARI_M

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WP Nitroaromatics & Nitramines (cat# 932, lot# P249-677)												
9306	4-Amino-2,6-dinitrotoluene	µg/L		4.64	2.46 - 6.49	Not Reported				4.49	0.575	
9303	2-Amino-4,6-dinitrotoluene	µg/L		13.6	7.54 - 19.5	Not Reported				12.5	0.981	
6160	1,3-Dinitrobenzene	µg/L	6.56	6.26	3.00 - 8.99	Acceptable	EPA 8270D 2007	11/9/2015	0.282	6.28	1.01	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L		6.28	3.21 - 9.18	Not Reported				5.91	0.302	
6190	2,6-Dinitrotoluene	µg/L		13.0	6.51 - 18.9	Not Reported				13.9	2.66	
9522	HMX	µg/L		6.00	2.97 - 8.51	Not Reported				5.87	0.823	
5015	Nitrobenzene	µg/L		14.0	6.81 - 19.3	Not Reported				14.0	2.51	
9507	2-Nitrotoluene	µg/L		9.19	4.65 - 12.6	Not Reported				8.40	0.822	
9510	3-Nitrotoluene	µg/L		14.6	7.28 - 20.5	Not Reported				14.4	1.08	
9513	4-Nitrotoluene	µg/L		10.0	5.36 - 14.1	Not Reported				9.87	0.798	
9432	RDX	µg/L		13.6	7.10 - 18.3	Not Reported				12.8	1.36	
6415	Tetryl	µg/L		< 1.00	0.00 - 1.00	Not Reported						
6885	1,3,5-Trinitrobenzene	µg/L	17.8	15.3	6.25 - 20.9	Acceptable	EPA 8270D 2007	11/9/2015	1.71	14.8	1.77	GHAFFARI_M
9651	2,4,6-Trinitrotoluene	µg/L		11.0	5.85 - 14.6	Not Reported				10.4	1.47	

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Study Dates: **10/16/15 - 11/30/15**

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
WP Low-Level PAHs (cat# 836, lot# P249-715)												
5500	Acenaphthene	µg/L	4.36	4.79	1.69 - 5.89	Acceptable	EPA 8270D 2007	11/9/2015	0.738	3.80	0.763	GHAFFARI_M
5505	Acenaphthylene	µg/L	9.89	9.87	4.23 - 11.4	Acceptable	EPA 8270D 2007	11/9/2015	1.26	7.84	1.64	GHAFFARI_M
5555	Anthracene	µg/L	3.44	3.43	1.02 - 4.61	Acceptable	EPA 8270D 2007	11/9/2015	0.987	2.95	0.495	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	2.89	2.76	1.82 - 3.11	Acceptable	EPA 8270D 2007	11/9/2015	1.77	2.24	0.366	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	2.28	2.24	1.07 - 2.72	Acceptable	EPA 8270D 2007	11/9/2015	1.67	1.82	0.278	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	1.06	0.987	0.475 - 1.28	Acceptable	EPA 8270D 2007	11/9/2015	0.959	0.903	0.163	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	3.28	3.04	0.886 - 3.93	Acceptable	EPA 8270D 2007	11/9/2015	1.55	2.40	0.569	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	2.58	2.59	1.10 - 3.07	Acceptable	EPA 8270D 2007	11/9/2015	1.44	2.06	0.359	GHAFFARI_M
5855	Chrysene	µg/L	4.02	3.86	2.16 - 4.72	Acceptable	EPA 8270D 2007	11/9/2015	1.63	3.31	0.438	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	3.42	3.21	1.12 - 4.09	Acceptable	EPA 8270D 2007	11/9/2015	1.26	2.50	0.730	GHAFFARI_M
6265	Fluoranthene	µg/L	4.41	4.23	2.26 - 5.03	Acceptable	EPA 8270D 2007	11/9/2015	1.29	3.65	0.585	GHAFFARI_M
6270	Fluorene	µg/L	2.08	2.16	0.809 - 2.68	Acceptable	EPA 8270D 2007	11/9/2015	0.621	1.82	0.421	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	1.89	1.47	0.611 - 1.93	Acceptable	EPA 8270D 2007	11/9/2015	1.82	1.30	0.324	GHAFFARI_M
5005	Naphthalene	µg/L	4.15	4.64	1.49 - 5.46	Acceptable	EPA 8270D 2007	11/9/2015	0.560	3.70	0.803	GHAFFARI_M
6615	Phenanthrene	µg/L	4.72	4.83	2.42 - 5.68	Acceptable	EPA 8270D 2007	11/9/2015	1.23	3.90	0.662	GHAFFARI_M
6665	Pyrene	µg/L	2.11	2.00	1.09 - 2.38	Acceptable	EPA 8270D 2007	11/9/2015	1.42	1.72	0.278	GHAFFARI_M

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WP Organochlorine Pesticides (cat# 831, lot# P249-713)												
7025	Aldrin	µg/L	0.748	1.26	0.432 - 1.68	Acceptable	EPA 8270D 2007	10/30/2015	-1.18	1.08	0.278	LUO_Y
7110	alpha-BHC	µg/L	3.48	4.34	1.86 - 5.98	Acceptable	EPA 8270D 2007	10/30/2015	-0.463	3.86	0.816	LUO_Y
7115	beta-BHC	µg/L	11.5	11.7	5.55 - 15.6	Acceptable	EPA 8270D 2007	10/30/2015	0.267	11.0	1.99	LUO_Y
7105	delta-BHC	µg/L	14.7	14.1	6.18 - 19.5	Acceptable	EPA 8270D 2007	10/30/2015	0.656	13.2	2.35	LUO_Y
7120	gamma-BHC(Lindane)	µg/L	11.2	14.5	6.40 - 19.8	Acceptable	EPA 8270D 2007	10/30/2015	-0.503	12.6	2.75	LUO_Y
7240	alpha-Chlordane	µg/L	4.29	4.53	2.02 - 6.10	Acceptable	EPA 8270D 2007	10/30/2015	0.128	4.19	0.762	LUO_Y
7245	gamma-Chlordane	µg/L	3.70	3.94	1.72 - 5.28	Acceptable	EPA 8270D 2007	10/30/2015	0.0429	3.67	0.633	LUO_Y
7355	4,4'-DDD	µg/L	8.67	9.41	4.77 - 12.8	Acceptable	EPA 8270D 2007	10/30/2015	-0.0485	8.74	1.40	LUO_Y
7360	4,4'-DDE	µg/L	3.21	3.44	1.46 - 4.73	Acceptable	EPA 8270D 2007	10/30/2015	0.144	3.11	0.676	LUO_Y
7365	4,4'-DDT	µg/L	1.72	1.82	0.725 - 2.76	Acceptable	EPA 8270D 2007	10/30/2015	0.0915	1.69	0.330	LUO_Y
7470	Dieldrin	µg/L	5.09	5.09	2.58 - 6.78	Acceptable	EPA 8270D 2007	10/30/2015	0.374	4.75	0.898	LUO_Y
7540	Endrin	µg/L	4.06	4.06	1.77 - 5.82	Acceptable	EPA 8270D 2007	10/30/2015	0.478	3.77	0.601	LUO_Y
7530	Endrin aldehyde	µg/L	9.22	9.53	3.56 - 13.8	Acceptable	EPA 8270D 2007	10/30/2015	0.495	8.36	1.73	LUO_Y
7535	Endrin ketone	µg/L	8.58	9.63	5.14 - 12.8	Acceptable	EPA 8270D 2007	10/30/2015	-0.0843	8.75	1.97	LUO_Y
7510	Endosulfan I	µg/L	9.51	9.45	3.61 - 12.7	Acceptable	EPA 8270D 2007	10/30/2015	0.519	8.47	2.01	LUO_Y
7515	Endosulfan II	µg/L	17.9	17.8	7.47 - 23.9	Acceptable	EPA 8270D 2007	10/30/2015	0.558	15.7	3.93	LUO_Y
7520	Endosulfan sulfate	µg/L	5.01	5.22	2.36 - 7.84	Acceptable	EPA 8270D 2007	10/30/2015	0.0444	4.98	0.684	LUO_Y
7685	Heptachlor	µg/L	5.49	8.48	3.05 - 11.4	Acceptable	EPA 8270D 2007	10/30/2015	-1.00	7.07	1.58	LUO_Y
7690	Heptachlor epoxide (beta)	µg/L	3.66	4.07	2.02 - 5.46	Acceptable	EPA 8270D 2007	10/30/2015	-0.115	3.74	0.687	LUO_Y
7810	Methoxychlor	µg/L	5.88	5.23	2.06 - 8.04	Acceptable	EPA 8270D 2007	10/30/2015	1.47	4.89	0.674	LUO_Y

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WP Organochlorine Pesticides (cat# 831, lot# P249-713)												
7025	Aldrin	µg/L	1.16	1.26	0.432 - 1.68	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.306	1.08	0.278	
7110	alpha-BHC	µg/L	3.75	4.34	1.86 - 5.98	Acceptable	DEPSOP:GC-011-5	10/31/2015	-0.132	3.86	0.816	
7115	beta-BHC	µg/L	10.8	11.7	5.55 - 15.6	Acceptable	DEPSOP:GC-011-5	10/31/2015	-0.0842	11.0	1.99	
7105	delta-BHC	µg/L	13.3	14.1	6.18 - 19.5	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.0615	13.2	2.35	
7120	gamma-BHC(Lindane)	µg/L	13.2	14.5	6.40 - 19.8	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.225	12.6	2.75	
7240	alpha-Chlordane	µg/L	4.46	4.53	2.02 - 6.10	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.351	4.19	0.762	
7245	gamma-Chlordane	µg/L	3.88	3.94	1.72 - 5.28	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.327	3.67	0.633	
7355	4,4'-DDD	µg/L	9.63	9.41	4.77 - 12.8	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.639	8.74	1.40	
7360	4,4'-DDE	µg/L	3.36	3.44	1.46 - 4.73	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.366	3.11	0.676	
7365	4,4'-DDT	µg/L	1.85	1.82	0.725 - 2.76	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.485	1.69	0.330	
7470	Dieldrin	µg/L	5.15	5.09	2.58 - 6.78	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.441	4.75	0.898	
7540	Endrin	µg/L	4.12	4.06	1.77 - 5.82	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.578	3.77	0.601	
7530	Endrin aldehyde	µg/L	9.29	9.53	3.56 - 13.8	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.536	8.36	1.73	
7535	Endrin ketone	µg/L	9.93	9.63	5.14 - 12.8	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.601	8.75	1.97	
7510	Endosulfan I	µg/L	9.48	9.45	3.61 - 12.7	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.504	8.47	2.01	
7515	Endosulfan II	µg/L	18.7	17.8	7.47 - 23.9	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.762	15.7	3.93	
7520	Endosulfan sulfate	µg/L	5.33	5.22	2.36 - 7.84	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.512	4.98	0.684	
7685	Heptachlor	µg/L	7.75	8.48	3.05 - 11.4	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.434	7.07	1.58	
7690	Heptachlor epoxide (beta)	µg/L	4.00	4.07	2.02 - 5.46	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.381	3.74	0.687	
7810	Methoxychlor	µg/L	5.14	5.23	2.06 - 8.04	Acceptable	DEPSOP:GC-011-5	10/31/2015	0.368	4.89	0.674	

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WP Organochlorine Pesticides (cat# 831, lot# P249-713)												
7025	Aldrin	µg/L	0.748	1.26	0.432 - 1.68	Acceptable	USGS O-1126-95 1995	10/30/2015	-1.18	1.08	0.278	LUO_Y
7110	alpha-BHC	µg/L	3.48	4.34	1.86 - 5.98	Acceptable	USGS O-1126-95 1995	10/30/2015	-0.463	3.86	0.816	LUO_Y
7115	beta-BHC	µg/L	11.5	11.7	5.55 - 15.6	Acceptable	USGS O-1126-95 1995	10/30/2015	0.267	11.0	1.99	LUO_Y
7105	delta-BHC	µg/L	14.7	14.1	6.18 - 19.5	Acceptable	USGS O-1126-95 1995	10/30/2015	0.656	13.2	2.35	LUO_Y
7120	gamma-BHC(Lindane)	µg/L	11.2	14.5	6.40 - 19.8	Acceptable	USGS O-1126-95 1995	10/30/2015	-0.503	12.6	2.75	LUO_Y
7240	alpha-Chlordane	µg/L	4.29	4.53	2.02 - 6.10	Acceptable	USGS O-1126-95 1995	10/30/2015	0.128	4.19	0.762	LUO_Y
7245	gamma-Chlordane	µg/L	3.70	3.94	1.72 - 5.28	Acceptable	USGS O-1126-95 1995	10/30/2015	0.0429	3.67	0.633	LUO_Y
7355	4,4'-DDD	µg/L	8.67	9.41	4.77 - 12.8	Acceptable	USGS O-1126-95 1995	10/30/2015	-0.0485	8.74	1.40	LUO_Y
7360	4,4'-DDE	µg/L	3.21	3.44	1.46 - 4.73	Acceptable	USGS O-1126-95 1995	10/30/2015	0.144	3.11	0.676	LUO_Y
7365	4,4'-DDT	µg/L	1.72	1.82	0.725 - 2.76	Acceptable	USGS O-1126-95 1995	10/30/2015	0.0915	1.69	0.330	LUO_Y
7470	Dieldrin	µg/L	5.09	5.09	2.58 - 6.78	Acceptable	USGS O-1126-95 1995	10/30/2015	0.374	4.75	0.898	LUO_Y
7540	Endrin	µg/L	4.06	4.06	1.77 - 5.82	Acceptable	USGS O-1126-95 1995	10/30/2015	0.478	3.77	0.601	LUO_Y
7530	Endrin aldehyde	µg/L	9.22	9.53	3.56 - 13.8	Acceptable	USGS O-1126-95 1995	10/30/2015	0.495	8.36	1.73	LUO_Y
7535	Endrin ketone	µg/L	8.58	9.63	5.14 - 12.8	Acceptable	USGS O-1126-95 1995	10/30/2015	-0.0843	8.75	1.97	LUO_Y
7510	Endosulfan I	µg/L	9.51	9.45	3.61 - 12.7	Acceptable	USGS O-1126-95 1995	10/30/2015	0.519	8.47	2.01	LUO_Y
7515	Endosulfan II	µg/L	17.9	17.8	7.47 - 23.9	Acceptable	USGS O-1126-95 1995	10/30/2015	0.558	15.7	3.93	LUO_Y
7520	Endosulfan sulfate	µg/L	5.01	5.22	2.36 - 7.84	Acceptable	USGS O-1126-95 1995	10/30/2015	0.0444	4.98	0.684	LUO_Y
7685	Heptachlor	µg/L	5.49	8.48	3.05 - 11.4	Acceptable	USGS O-1126-95 1995	10/30/2015	-1.00	7.07	1.58	LUO_Y
7690	Heptachlor epoxide (beta)	µg/L	3.66	4.07	2.02 - 5.46	Acceptable	USGS O-1126-95 1995	10/30/2015	-0.115	3.74	0.687	LUO_Y
7810	Methoxychlor	µg/L	5.88	5.23	2.06 - 8.04	Acceptable	USGS O-1126-95 1995	10/30/2015	1.47	4.89	0.674	LUO_Y

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WP Chlordane (cat# 837, lot# P249-716)												
7250	Chlordane, technical	µg/L	6.06	4.25	1.95 - 6.10	Acceptable	DEPSOP:GC-011-5	11/1/2015	4.76	3.50	0.538	
WP Toxaphene (cat# 838, lot# P249-717)												
8250	Toxaphene	µg/L	32.7	30.1	6.73 - 45.7	Acceptable	DEPSOP:GC-011-5	11/1/2015	1.80	25.6	3.97	

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WP Organophosphorous Pesticides (OPP) (cat# 934, lot# P249-665)												
7075	Azinphos-methyl (Guthion)	µg/L	7.15	7.07	0.707 - 12.6	Acceptable	EPA 8270D 2007	11/3/2015	1.26	5.97	0.939	CARBONE_I
7220	Carbophenothion	µg/L		3.83	1.88 - 5.28	Not Reported				3.98	0.00	
7300	Chlorpyrifos	µg/L	14.4	16.2	5.85 - 21.4	Acceptable	EPA 8270D 2007	11/3/2015	0.355	13.5	2.57	CARBONE_I
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	8.23	7.25	2.71 - 10.8	Acceptable	EPA 8270D 2007	11/3/2015	-0.172	8.90	3.86	CARBONE_I
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7475	Dimethoate	µg/L		5.86	1.06 - 7.94	Not Reported				4.72	1.23	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8625	Disulfoton	µg/L	8.03	7.38	1.22 - 12.0	Acceptable	EPA 8270D 2007	11/3/2015	1.27	6.36	1.32	CARBONE_I
7565	Ethion	µg/L	7.38	7.45	3.52 - 11.5	Acceptable	EPA 8270D 2007	11/3/2015	0.0923	7.25	1.37	CARBONE_I
7570	Ethoprop	µg/L	9.97	9.50	3.78 - 12.9	Acceptable	EPA 8270D 2007	11/3/2015	0.779	8.50	1.89	CARBONE_I
7955	Ethyl Parathion	µg/L	5.54	4.95	2.72 - 7.18	Acceptable	EPA 8270D 2007	11/3/2015	0.611	4.90	1.04	CARBONE_I
7580	Famphur	µg/L		14.2	6.67 - 19.1	Not Reported				10.1	0.983	
7640	Fonofos	µg/L	8.95	8.86	3.16 - 13.8	Acceptable	EPA 8270D 2007	11/3/2015	-0.707	9.62	0.955	CARBONE_I
7770	Malathion	µg/L	8.27	9.25	1.91 - 14.7	Acceptable	EPA 8270D 2007	11/3/2015	0.264	7.94	1.26	CARBONE_I
7825	Methyl Parathion	µg/L	4.74	4.93	1.81 - 6.62	Acceptable	EPA 8270D 2007	11/3/2015	0.441	4.22	1.18	CARBONE_I
7985	Phorate	µg/L	12.9	13.6	5.29 - 17.1	Acceptable	EPA 8270D 2007	11/3/2015	0.221	12.3	2.77	CARBONE_I
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8110	Ronnel	µg/L		12.7	5.59 - 15.3	Not Reported				9.50	1.69	

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WP Organophosphorous Pesticides (OPP) (cat# 934, lot# P249-665) (Continued)												
8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8185	Terbufos	µg/L	9.56	9.38	2.52 - 12.3	Acceptable	EPA 8270D 2007	11/3/2015	-1.17	11.0	1.22	CARBONE_I

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Report Issued: **12/02/15**
Study Dates: **10/16/15 - 11/30/15**

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
WP Organophosphorous Pesticides (OPP) (cat# 934, lot# P249-665)												
7075	Azinphos-methyl (Guthion)	µg/L	7.04	7.07	0.707 - 12.6	Acceptable	DEPSOP:GC-012-3	10/29/2015	1.14	5.97	0.939	
7220	Carbophenothion	µg/L		3.83	1.88 - 5.28	Not Reported				3.98	0.00	
7300	Chlorpyrifos	µg/L	18.4	16.2	5.85 - 21.4	Acceptable	DEPSOP:GC-012-3	10/29/2015	1.91	13.5	2.57	
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	6.10	7.25	2.71 - 10.8	Acceptable	DEPSOP:GC-012-3	10/29/2015	-0.725	8.90	3.86	
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7475	Dimethoate	µg/L		5.86	1.06 - 7.94	Not Reported				4.72	1.23	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8625	Disulfoton	µg/L	12.3	7.38	1.22 - 12.0	Not Acceptable	DEPSOP:GC-012-3	10/29/2015	4.51	6.36	1.32	
7565	Ethion	µg/L	8.23	7.45	3.52 - 11.5	Acceptable	DEPSOP:GC-012-3	10/29/2015	0.712	7.25	1.37	
7570	Ethoprop	µg/L	11.8	9.50	3.78 - 12.9	Acceptable	DEPSOP:GC-012-3	10/29/2015	1.75	8.50	1.89	
7955	Ethyl Parathion	µg/L	4.65	4.95	2.72 - 7.18	Acceptable	DEPSOP:GC-012-3	10/29/2015	-0.243	4.90	1.04	
7580	Famphur	µg/L		14.2	6.67 - 19.1	Not Reported				10.1	0.983	
7640	Fonofos	µg/L	10.3	8.86	3.16 - 13.8	Acceptable	DEPSOP:GC-012-3	10/29/2015	0.707	9.62	0.955	
7770	Malathion	µg/L	9.14	9.25	1.91 - 14.7	Acceptable	DEPSOP:GC-012-3	10/29/2015	0.957	7.94	1.26	
7825	Methyl Parathion	µg/L	4.37	4.93	1.81 - 6.62	Acceptable	DEPSOP:GC-012-3	10/29/2015	0.128	4.22	1.18	
7985	Phorate	µg/L	16.9	13.6	5.29 - 17.1	Acceptable	DEPSOP:GC-012-3	10/29/2015	1.67	12.3	2.77	
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8110	Ronnel	µg/L		12.7	5.59 - 15.3	Not Reported				9.50	1.69	

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A Waters Company

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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
WP Organophosphorous Pesticides (OPP) (cat# 934, lot# P249-665) (Continued)												
8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8185	Terbufos	µg/L	12.1	9.38	2.52 - 12.3	Acceptable	DEPSOP:GC-012-3	10/29/2015	0.911	11.0	1.22	

CERTIFICATE OF RECOGNITION

ERA congratulates

State of Florida DEP Chemistry Laboratory

WP-249

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	Low-Level PAHs
Mercury	Minerals	Nitrite	Nitroaromatics & Nitramines	Organochlorine Pesticides
PCBs in Oil	PCBs in Water	Silica	Simple Nutrients	Tin & Titanium
Toxaphene	Trace Metals	Turbidity	Volatiles	

David Kilhefner
Quality Officer

S744803