



A Waters Company

Thekkekalathil Chandrasekhar
State of Florida DEP Chemistry Laboratory
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WP-201



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/14/11

Close Date: 11/28/11

Report Issued Date: 12/19/11



A Waters Company

December 19, 2011

Thekkekalathil Chandrasekhar
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Enclosed is your final report for ERA's WP-201 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-201 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).

Please note the following changes to our final reports:

- 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.

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

Thank you for your participation in ERA's WP-201 WatR™Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

Jay R. McBurney
Quality Program Manager

attachments
jrm



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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-201 Definitions & Study Discussion

Study Dates: 10/14/11 - 11/28/11

Report Issued: 12/19/11

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-201 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-201 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-201 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-201 Laboratory Exception Report

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2009 TNI Evaluation Check: There are no values reported with < where the assigned value was greater than 0.

2009 TNI Not Acceptable Evaluations: There were no Not Acceptable evaluations for this study.



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



Final Report Results For Laboratory State of Florida DEP Chemistry Laboratory



2009 TNI Evaluation Report

Study: **WP-201**

ERA Customer Number: **S744803**

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

Inorganic Results

WP-201 2009 TNI Evaluation Final Complete Report

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NELAC 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)												
1505	Alkalinity as CaCO ₃	mg/L	68.8	67.5	59.2 - 75.3	Acceptable	SM2320B online	11/3/2011	0.0780	68.6	2.48	SIMMONS_D
1575	Chloride	mg/L	88.8	88.8	76.1 - 102	Acceptable	EPA 300.0 2.1	11/2/2011	-0.319	89.8	3.21	DEARMAN_G
1610	Conductivity at 25°C	µmhos/cm	496	494	444 - 544	Acceptable	EPA 120.1	11/3/2011	0.142	494	12.3	SIMMONS_D
1730	Fluoride	mg/L	3.36	3.29	2.76 - 3.83	Acceptable	SM4500F- C online	11/3/2011	0.671	3.25	0.163	SIMMONS_D
1125	Potassium	mg/L	23.2	23.2	19.1 - 27.7	Acceptable	EPA 200.7 4.4	11/10/2011	-0.068	23.3	1.35	LUTZ_E
1155	Sodium	mg/L	89.9	87.2	74.0 - 99.9	Acceptable	EPA 200.7 4.4	11/10/2011	0.302	88.2	5.77	LUTZ_E
2000	Sulfate	mg/L	20.3	20.1	15.6 - 24.1	Acceptable	EPA 300.0 2.1	11/2/2011	0.368	19.9	1.03	DEARMAN_G
1955	Total Dissolved Solids at 180°C	mg/L	333	335	253 - 417	Acceptable	SM2540C online	11/4/2011	-0.143	335	16.2	LI_Y
1950	Total Solids at 105°C	mg/L		346	304 - 383	Not Reported				346	16.9	
WP Hardness (cat# 580)												
1960	Non-Filterable Residue (TSS)	mg/L	94.0	93.5	77.2 - 103	Acceptable	SM2540D online	10/31/2011	0.673	90.9	4.63	LI_Y
1035	Calcium	mg/L	94.7	92.9	83.2 - 105	Acceptable	EPA 200.7 4.4	11/10/2011	0.137	94.1	4.31	LUTZ_E
1085	Magnesium	mg/L	34.2	33.7	28.9 - 38.7	Acceptable	EPA 200.7 4.4	11/10/2011	0.110	34.0	1.90	LUTZ_E
1550	Calcium Hardness as CaCO ₃	mg/L		232	208 - 262	Not Reported				235	11.7	
1755	Total Hardness as CaCO ₃	mg/L		371	327 - 422	Not Reported				374	14.8	
WP Simple Nutrients (cat# 584)												
1515	Ammonia as N	mg/L	12.9	12.7	9.44 - 15.8	Acceptable	EPA 350.1 2	10/26/2011	0.322	12.6	0.780	DUNBAR_D
1820	Nitrate + Nitrite as N	mg/L	20.1	18.4	15.0 - 21.4	Acceptable	EPA 353.2 2	10/28/2011	1.86	18.4	0.934	FEIZI_S
1810	Nitrate as N	mg/L	18.3	18.4	14.3 - 22.2	Acceptable	EPA 300.0 2.1	10/26/2011	0.0155	18.3	0.835	DEARMAN_G
1870	ortho-Phosphate as P	mg/L	5.01	5.06	4.18 - 5.97	Acceptable	EPA 365.1 2	10/26/2011	-0.361	5.09	0.228	GADWAL_P
WP Complex Nutrients (cat# 579)												
1795	Total Kjeldahl Nitrogen	mg/L	7.26	7.43	4.98 - 9.73	Acceptable	EPA 351.2 2	10/28/2011	-0.502	7.47	0.426	ARMOUR_C
1910	Total phosphorus as P	mg/L	7.13	7.20	5.94 - 8.52	Acceptable	EPA 365.1 2	11/1/2011	-0.308	7.22	0.284	GADWAL_P
WP Nitrite (cat# 888)												
1840	Nitrite as N	mg/L	1.84	1.84	1.54 - 2.14	Acceptable	EPA 353.2 2	10/26/2011	-0.0234	1.84	0.0921	KAUS_P



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NELAC 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 Demand (cat# 578)

1530	BOD	mg/L	72.0	111	56.0 - 165	Acceptable	SM5210B online	10/27/2011	-2.38	111	16.5	WOODS_J
1555	CBOD	mg/L	77.0	95.2	42.7 - 148	Acceptable	SM5210B online	10/27/2011	-1.33	102	18.8	WOODS_J
1565	COD	mg/L		179	138 - 203	Not Reported				178	8.64	
2040	TOC	mg/L	71.8	70.8	59.2 - 81.4	Acceptable	SM5310B online	10/27/2011	0.105	71.4	3.93	JACKSON_R

WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	634	638	502 - 772	Acceptable	EPA 200.7 4.4	11/10/2011	-0.262	643	33.7	LUTZ_E
1005	Antimony	µg/L	731	794	562 - 953	Acceptable	EPA 200.7 4.4	11/10/2011	-0.832	771	48.3	LUTZ_E
1010	Arsenic	µg/L	575	574	481 - 672	Acceptable	EPA 200.7 4.4	11/10/2011	0.499	561	28.3	LUTZ_E
1015	Barium	µg/L	941	948	823 - 1070	Acceptable	EPA 200.7 4.4	11/10/2011	-0.212	949	39.0	LUTZ_E
1020	Beryllium	µg/L	446	441	375 - 498	Acceptable	EPA 200.7 4.4	11/10/2011	0.601	435	18.6	LUTZ_E
1025	Boron	µg/L	1160	1200	985 - 1400	Acceptable	EPA 200.7 4.4	11/10/2011	-0.592	1200	62.4	LUTZ_E
1030	Cadmium	µg/L	396	405	345 - 460	Acceptable	EPA 200.7 4.4	11/10/2011	0.0842	395	16.4	LUTZ_E
1040	Chromium	µg/L	733	734	640 - 830	Acceptable	EPA 200.7 4.4	11/10/2011	0.142	728	32.9	LUTZ_E
1050	Cobalt	µg/L	324	315	276 - 354	Acceptable	EPA 200.7 4.4	11/10/2011	0.264	320	15.0	LUTZ_E
1055	Copper	µg/L	631	625	562 - 688	Acceptable	EPA 200.7 4.4	11/10/2011	0.148	627	28.0	LUTZ_E
1070	Iron	µg/L	725	670	590 - 759	Acceptable	EPA 200.7 4.4	11/10/2011	1.32	681	33.3	LUTZ_E
1075	Lead	µg/L	2450	2440	2150 - 2720	Acceptable	EPA 200.7 4.4	11/10/2011	0.130	2440	102	LUTZ_E
1090	Manganese	µg/L	2040	2010	1810 - 2230	Acceptable	EPA 200.7 4.4	11/10/2011	0.434	2000	83.5	LUTZ_E
1100	Molybdenum	µg/L	134	131	106 - 154	Acceptable	EPA 200.7 4.4	11/10/2011	0.858	128	6.32	LUTZ_E
1105	Nickel	µg/L	961	951	856 - 1060	Acceptable	EPA 200.7 4.4	11/10/2011	0.307	948	42.6	LUTZ_E
1140	Selenium	µg/L	120	119	90.8 - 139	Acceptable	EPA 200.7 4.4	11/10/2011	0.335	117	8.62	LUTZ_E
1150	Silver	µg/L	554	541	464 - 620	Acceptable	EPA 200.7 4.4	11/15/2011	0.385	543	28.7	LUTZ_E
1160	Strontium	µg/L	115	116	99.0 - 133	Acceptable	EPA 200.7 4.4	11/10/2011	0.164	114	4.97	LUTZ_E
1165	Thallium	µg/L	816	827	683 - 980	Acceptable	EPA 200.7 4.4	11/10/2011	-0.174	823	42.4	LUTZ_E
1185	Vanadium	µg/L	577	584	511 - 653	Acceptable	EPA 200.7 4.4	11/10/2011	0.0424	576	21.3	LUTZ_E
1190	Zinc	µg/L	1750	1730	1490 - 1980	Acceptable	EPA 200.7 4.4	11/10/2011	0.313	1720	80.5	LUTZ_E



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





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WP-201 2009 TNI Evaluation Final Complete Report

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NELAC 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 Trace Metals (cat# 586)

1000	Aluminum	µg/L	641	638	502 - 772	Acceptable	EPA 200.8 5.4	11/10/2011	-0.0544	643	33.7	PETERSON_C
1005	Antimony	µg/L	813	794	562 - 953	Acceptable	EPA 200.8 5.4	11/10/2011	0.865	771	48.3	PETERSON_C
1010	Arsenic	µg/L	570	574	481 - 672	Acceptable	EPA 200.8 5.4	11/10/2011	0.323	561	28.3	PETERSON_C
1015	Barium	µg/L	974	948	823 - 1070	Acceptable	EPA 200.8 5.4	11/10/2011	0.634	949	39.0	PETERSON_C
1020	Beryllium	µg/L	422	441	375 - 498	Acceptable	EPA 200.8 5.4	11/15/2011	-0.691	435	18.6	PETERSON_C
1025	Boron	µg/L		1200	985 - 1400	Not Reported				1200	62.4	
1030	Cadmium	µg/L	403	405	345 - 460	Acceptable	EPA 200.8 5.4	11/10/2011	0.511	395	16.4	PETERSON_C
1040	Chromium	µg/L	726	734	640 - 830	Acceptable	EPA 200.8 5.4	11/10/2011	-0.0709	728	32.9	PETERSON_C
1050	Cobalt	µg/L	313	315	276 - 354	Acceptable	EPA 200.8 5.4	11/10/2011	-0.468	320	15.0	PETERSON_C
1055	Copper	µg/L	608	625	562 - 688	Acceptable	EPA 200.8 5.4	11/10/2011	-0.672	627	28.0	PETERSON_C
1070	Iron	µg/L		670	590 - 759	Not Reported				681	33.3	
1075	Lead	µg/L	2540	2440	2150 - 2720	Acceptable	EPA 200.8 5.4	11/10/2011	1.01	2440	102	PETERSON_C
1090	Manganese	µg/L	2050	2010	1810 - 2230	Acceptable	EPA 200.8 5.4	11/10/2011	0.554	2000	83.5	PETERSON_C
1100	Molybdenum	µg/L	130	131	106 - 154	Acceptable	EPA 200.8 5.4	11/10/2011	0.225	128	6.32	PETERSON_C
1105	Nickel	µg/L	940	951	856 - 1060	Acceptable	EPA 200.8 5.4	11/10/2011	-0.185	948	42.6	PETERSON_C
1140	Selenium	µg/L	115	119	90.8 - 139	Acceptable	EPA 200.8 5.4	11/14/2011	-0.244	117	8.62	PETERSON_C
1150	Silver	µg/L	578	541	464 - 620	Acceptable	EPA 200.8 5.4	11/15/2011	1.22	543	28.7	PETERSON_C
1160	Strontium	µg/L		116	99.0 - 133	Not Reported				114	4.97	
1165	Thallium	µg/L	833	827	683 - 980	Acceptable	EPA 200.8 5.4	11/10/2011	0.227	823	42.4	PETERSON_C
1185	Vanadium	µg/L		584	511 - 653	Not Reported				576	21.3	
1190	Zinc	µg/L	1720	1730	1490 - 1980	Acceptable	EPA 200.8 5.4	11/10/2011	-0.06	1720	80.5	PETERSON_C

WP Mercury (cat# 574)

1095	Mercury	µg/L	12.6	12.7	7.82 - 17.2	Acceptable	EPA 245.1 3	10/28/2011	-0.0498	12.7	1.24	ACOSTA_M
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WP Low-Level Mercury (cat# 896)

1095	Low Level Mercury	ng/L	58.3	61.0	45.0 - 76.3	Acceptable	EPA 1631E	10/25/2011	-0.72	64.2	8.26	TOPOLSKI_B
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All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01





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WP Tin & Titanium (cat# 573)												
1175	Tin	µg/L	4200	4200	3310 - 5120	Acceptable	EPA 200.7 4.4	11/10/2011	0.225	4140	253	LUTZ_E
1180	Titanium	µg/L	105	105	89.3 - 119	Acceptable	EPA 200.7 4.4	11/10/2011	0.318	103	5.48	LUTZ_E
WP Color (cat# 882)												
1605	Color	PC units	58.1	60.0	43.5 - 71.4	Acceptable	SM2120B online	11/3/2011	0.250	56.9	4.92	JACKSON_R
WP Turbidity (cat# 893)												
2055	Turbidity	NTU	4.66	4.92	3.73 - 6.08	Acceptable	EPA 180.1 2	11/4/2011	-0.155	4.71	0.305	FACH_B
WP Total Cyanide (cat# 588)												
1645	Cyanide, total	mg/L	0.452	0.471	0.272 - 0.673	Acceptable	EPA 335.4 1993	11/3/2011	-0.326	0.468	0.0482	BRYANT_V
WP Silica (cat# 890)												
1990	Silica as SiO ₂	mg/L	244	233	175 - 291	Acceptable	EPA 200.7 4.4	11/9/2011	1.12	230	12.6	LUTZ_E
WP Sulfide (cat# 891)												
2005	Sulfide	mg/L	1.42	2.25	0.388 - 3.70	Acceptable	SM4500S2- D online	10/31/2011	-0.888	1.86	0.497	SIMMONS_D



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



2009 TNI Evaluation Report

Study: **WP-201**

ERA Customer Number: **S744803**

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

Organic Results



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WP-201 2009 TNI Evaluation Final Complete Report

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NELAC 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)												
4315	Acetone	µg/L		124	24.6 - 200	Not Reported				112	35.1	
4320	Acetonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4325	Acrolein	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4340	Acrylonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4375	Benzene	µg/L	52.4	54.3	39.1 - 69.1	Acceptable	EPA 8260C	11/9/2011	-0.167	53.3	5.23	BOOESHAG_F
4395	Bromodichloromethane	µg/L	65.0	64.2	45.5 - 86.7	Acceptable	EPA 8260C	11/9/2011	-0.0486	65.3	6.91	BOOESHAG_F
4400	Bromoform	µg/L	39.0	40.3	25.3 - 55.2	Acceptable	EPA 8260C	11/9/2011	0.0128	38.9	5.54	BOOESHAG_F
4950	Bromomethane	µg/L	30.8	30.7	12.3 - 49.1	Acceptable	EPA 8260C	11/9/2011	0.785	25.6	6.65	BOOESHAG_F
4410	2-Butanone (MEK)	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
5000	tert-Butyl methyl ether (MTBE)	µg/L	< 0.500	< 9.00	0.00 - 9.00	Acceptable	EPA 8260C	11/9/2011		0.00	0.00	BOOESHAG_F
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported				37.2	0.00	
4455	Carbon tetrachloride	µg/L	37.5	36.8	20.4 - 50.5	Acceptable	EPA 8260C	11/9/2011	0.681	34.4	4.52	BOOESHAG_F
4475	Chlorobenzene	µg/L	< 0.200	< 7.10	0.00 - 7.10	Acceptable	EPA 8260C	11/9/2011		87.0	0.00	BOOESHAG_F
4575	Chlorodibromomethane	µg/L	< 0.200	< 7.20	0.00 - 7.20	Acceptable	EPA 8260C	11/9/2011		0.400	0.00	BOOESHAG_F
4485	Chloroethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2011		21.8	0.212	BOOESHAG_F
4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4505	Chloroform	µg/L	58.9	60.7	42.0 - 78.2	Acceptable	EPA 8260C	11/9/2011	0.159	58.0	5.37	BOOESHAG_F
4960	Chloromethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2011		6.14	2.43	BOOESHAG_F



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NELAC 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) (Continued)												
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4585	1,2-Dibromoethane (EDB)	µg/L		< 5.00	0.00 - 5.00	Not Reported				75.5	0.00	
4595	Dibromomethane	µg/L		< 5.00	0.00 - 5.00	Not Reported				81.5	0.00	
4610	1,2-Dichlorobenzene	µg/L	14.4	15.4	10.1 - 20.5	Acceptable	EPA 8260C	11/9/2011	-0.361	15.1	1.83	BOOESHAG_F
4615	1,3-Dichlorobenzene	µg/L	< 0.500	< 5.20	0.00 - 5.20	Acceptable	EPA 8260C	11/9/2011		0.00	0.00	BOOESHAG_F
4620	1,4-Dichlorobenzene	µg/L	< 0.500	< 4.90	0.00 - 4.90	Acceptable	EPA 8260C	11/9/2011		84.5	0.00	BOOESHAG_F
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
4630	1,1-Dichloroethane	µg/L	< 0.200	< 6.40	0.00 - 6.40	Acceptable	EPA 8260C	11/9/2011		0.00	0.00	BOOESHAG_F
4635	1,2-Dichloroethane	µg/L	73.5	74.0	51.4 - 97.1	Acceptable	EPA 8260C	11/9/2011	0.288	71.4	7.44	BOOESHAG_F
4640	1,1-Dichloroethylene	µg/L	31.3	30.2	15.8 - 44.0	Acceptable	EPA 8260C	11/9/2011	0.186	30.6	3.88	BOOESHAG_F
4645	cis-1,2-Dichloroethylene	µg/L	22.3	25.0	17.1 - 33.5	Acceptable	EPA 8260C	11/9/2011	-1.03	24.9	2.51	BOOESHAG_F
4700	trans-1,2-Dichloroethylene	µg/L	17.3	19.6	9.94 - 29.8	Acceptable	EPA 8260C	11/9/2011	-0.98	19.6	2.32	BOOESHAG_F
4655	1,2-Dichloropropane	µg/L	59.2	63.9	41.8 - 84.3	Acceptable	EPA 8260C	11/9/2011	-0.565	62.5	5.93	BOOESHAG_F
4680	cis-1,3-Dichloropropylene	µg/L	31.4	39.8	25.6 - 50.6	Acceptable	EPA 8260C	11/9/2011	-0.985	35.6	4.31	BOOESHAG_F
4685	trans-1,3-Dichloropropylene	µg/L	< 0.200	< 3.90	0.00 - 3.90	Acceptable	EPA 8260C	11/9/2011		28.3	0.00	BOOESHAG_F
4765	Ethylbenzene	µg/L	87.0	92.2	63.8 - 116	Acceptable	EPA 8260C	11/9/2011	-0.0211	87.2	10.0	BOOESHAG_F
4835	Hexachlorobutadiene	µg/L		55.8	5.58 - 70.5	Not Reported				48.5	11.3	
4860	2-Hexanone	µg/L	90.5	101	48.6 - 152	Acceptable	EPA 8260C	11/9/2011	-0.509	99.6	17.8	BOOESHAG_F

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WP Volatiles (cat# 830) (Continued)												
4975	Methylene chloride	µg/L	61.5	60.1	36.8 - 83.8	Acceptable	EPA 8260C	11/9/2011	0.494	58.2	6.59	BOOESHAG_F
4995	4-Methyl-2-pentanone (MIBK)	µg/L	< 4.00	< 4.30	0.00 - 4.30	Acceptable	EPA 8260C	11/9/2011		0.00	0.00	BOOESHAG_F
5005	Naphthalene	µg/L		45.5	20.9 - 61.9	Not Reported				44.9	9.37	
5100	Styrene	µg/L	65.8	64.3	41.2 - 87.9	Acceptable	EPA 8260C	11/9/2011	0.496	62.4	6.77	BOOESHAG_F
5105	1,1,1,2-Tetrachloroethane	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
5110	1,1,2,2-Tetrachloroethane	µg/L	< 0.500	< 3.90	0.00 - 3.90	Acceptable	EPA 8260C	11/9/2011		75.0	0.00	BOOESHAG_F
5115	Tetrachloroethylene	µg/L	63.7	70.4	39.6 - 91.9	Acceptable	EPA 8260C	11/9/2011	0.381	60.7	7.78	BOOESHAG_F
5140	Toluene	µg/L	19.8	22.2	15.4 - 28.4	Acceptable	EPA 8260C	11/9/2011	-0.743	21.2	1.87	BOOESHAG_F
5155	1,2,4-Trichlorobenzene	µg/L		55.1	23.3 - 75.0	Not Reported				50.5	9.49	
5160	1,1,1-Trichloroethane	µg/L	10.7	11.7	7.54 - 16.3	Acceptable	EPA 8260C	11/9/2011	-0.115	10.8	1.32	BOOESHAG_F
5165	1,1,2-Trichloroethane	µg/L	< 0.200	< 17.0	0.00 - 17.0	Acceptable	EPA 8260C	11/9/2011		61.0	0.00	BOOESHAG_F
5170	Trichloroethylene	µg/L	50.9	56.5	35.9 - 73.9	Acceptable	EPA 8260C	11/9/2011	-0.472	53.8	6.16	BOOESHAG_F
5175	Trichlorofluoromethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2011		0.00	0.00	BOOESHAG_F
5180	1,2,3-Trichloropropane (TCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported				0.00	0.00	
5235	Vinyl chloride	µg/L	37.0	33.3	13.3 - 53.3	Acceptable	EPA 8260C	11/9/2011	0.339	34.8	6.34	BOOESHAG_F
5260	Xylenes, total	µg/L	156	147	84.2 - 197	Acceptable	EPA 8260C	11/9/2011	0.805	142	17.4	BOOESHAG_F

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WP Chlorinated Acid Herbicides (cat# 829)

8505	Acifluorfen	µg/L		2.50	0.350 - 3.68	Not Reported				2.33	0.402	
8530	Bentazon	µg/L		3.44	0.344 - 6.25	Not Reported				2.98	0.609	
8540	Chloramben	µg/L		4.12	0.412 - 6.27	Not Reported				3.34	0.441	
8545	2,4-D	µg/L	4.32	5.33	0.533 - 8.71	Acceptable	DEPSOP:LC-001-2	10/25/2011	-0.0356	4.36	1.18	REDDY_S
8560	2,4-DB	µg/L		3.13	0.313 - 5.32	Not Reported				2.95	0.730	
8550	Dacthal diacid (DCPA)	µg/L		9.84	1.24 - 14.0	Not Reported				7.33	0.978	
8555	Dalapon	µg/L		2.91	0.291 - 4.59	Not Reported				2.42	1.13	
8595	Dicamba	µg/L	5.56	7.53	0.753 - 10.9	Acceptable	DEPSOP:LC-001-2	10/25/2011	-0.312	6.06	1.59	REDDY_S
8600	3,5-Dichlorobenzoic acid	µg/L		6.36	1.34 - 9.58	Not Reported				5.04	1.05	
8605	Dichlorprop	µg/L		9.33	1.60 - 14.0	Not Reported				8.36	1.83	
8620	Dinoseb	µg/L		4.95	0.495 - 7.47	Not Reported				3.79	1.28	
7775	MCPA	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
7780	MCPP	µg/L		< 10.0	0.00 - 10.0	Not Reported				129	0.00	
6500	4-Nitrophenol	µg/L		9.10	0.910 - 14.0	Not Reported				7.71	1.62	
6605	Pentachlorophenol	µg/L		5.76	0.742 - 8.70	Not Reported				4.89	1.28	
8645	Picloram	µg/L		6.34	0.634 - 10.3	Not Reported				5.79	2.02	
8655	2,4,5-T	µg/L	3.86	3.30	0.330 - 5.09	Acceptable	DEPSOP:LC-001-2	10/25/2011	1.48	2.68	0.792	REDDY_S
8650	2,4,5-TP (Silvex)	µg/L	4.16	3.78	0.404 - 5.66	Acceptable	DEPSOP:LC-001-2	10/25/2011	1.24	3.18	0.794	REDDY_S

WP PCBs in Water (cat# 832S)

8880	Aroclor 1016	µg/L	< 0.200	< 1.40	0.00 - 1.40	Acceptable	EPA 8082A	11/4/2011		7.74	0.863	NAGAR_V
8885	Aroclor 1221	µg/L	< 0.200	< 0.130	0.00 - 0.130	Acceptable	EPA 8082A	11/4/2011		0.00	0.00	NAGAR_V
8890	Aroclor 1232	µg/L	< 0.200	< 0.610	0.00 - 0.610	Acceptable	EPA 8082A	11/4/2011		3.75	0.00	NAGAR_V
8895	Aroclor 1242	µg/L	9.61	10.6	2.82 - 15.0	Acceptable	EPA 8082A	11/4/2011	0.688	8.66	1.38	NAGAR_V
8900	Aroclor 1248	µg/L	< 0.200	< 0.600	0.00 - 0.600	Acceptable	EPA 8082A	11/4/2011		7.65	0.00	NAGAR_V
8905	Aroclor 1254	µg/L	< 0.300	< 0.640	0.00 - 0.640	Acceptable	EPA 8082A	11/4/2011		0.00	0.00	NAGAR_V
8910	Aroclor 1260	µg/L	< 0.200	< 0.620	0.00 - 0.620	Acceptable	EPA 8082A	11/4/2011		0.00	0.00	NAGAR_V



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WP PCBs in Oil (cat# 835S)												
8880	Aroclor 1016	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A	10/29/2011		0.00	0.00	NAGAR_V
8895	Aroclor 1242	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A	10/29/2011		0.00	0.00	NAGAR_V
8905	Aroclor 1254	mg/kg	< 0.150	< 1.60	0.00 - 1.60	Acceptable	EPA 8082A	10/29/2011		0.00	0.00	NAGAR_V
8910	Aroclor 1260	mg/kg	21.2	25.5	4.74 - 36.2	Acceptable	EPA 8082A	10/29/2011	0.857	18.1	3.66	NAGAR_V
WP Base/Neutrals (cat# 833)												
5500	Acenaphthene	µg/L	96.0	108	42.6 - 128	Acceptable	EPA 8270D 3	10/27/2011	1.05	82.3	13.0	GHAFFARI_M
5505	Acenaphthylene	µg/L	101	106	42.2 - 128	Acceptable	EPA 8270D 3	10/27/2011	0.986	86.0	15.2	GHAFFARI_M
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5545	Aniline	µg/L		< 10.0	0.00 - 10.0	Not Reported				11.0	2.83	
5555	Anthracene	µg/L	107	109	45.8 - 136	Acceptable	EPA 8270D 3	10/27/2011	1.35	89.2	13.2	GHAFFARI_M
5595	Benzidine	µg/L	< 100	< 20.0	0.00 - 20.0	Acceptable	EPA 8270D 3	10/27/2011		200	0.00	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	< 0.200	< 3.90	0.00 - 3.90	Acceptable	EPA 8270D 3	10/27/2011		15.9	18.0	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	< 0.200	< 5.80	0.00 - 5.80	Acceptable	EPA 8270D 3	10/27/2011		56.7	17.5	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	75.4	75.4	18.5 - 109	Acceptable	EPA 8270D 3	10/27/2011	0.771	66.5	11.5	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	< 0.200	< 2.90	0.00 - 2.90	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	< 0.200	< 6.40	0.00 - 6.40	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
5630	Benzyl alcohol	µg/L		< 10.0	0.00 - 10.0	Not Reported				11.8	6.56	
5660	4-Bromophenyl-phenylether	µg/L	84.4	85.8	28.3 - 115	Acceptable	EPA 8270D 3	10/27/2011	1.23	73.0	9.29	GHAFFARI_M
5670	Butylbenzylphthalate	µg/L	127	113	21.0 - 161	Acceptable	EPA 8270D 3	10/27/2011	1.42	96.2	21.7	GHAFFARI_M
5680	Carbazole	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5745	4-Chloroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5760	bis(2-Chloroethoxy)methane	µg/L	54.6	61.3	24.0 - 73.7	Acceptable	EPA 8270D 3	10/27/2011	1.20	46.3	6.88	GHAFFARI_M
5765	bis(2-Chloroethyl)ether	µg/L	16.5	21.0	7.53 - 29.8	Acceptable	EPA 8270D 3	10/27/2011	-0.432	17.3	1.78	GHAFFARI_M
5780	bis(2-Chloroisopropyl)ether	µg/L	63.8	71.4	18.7 - 88.9	Acceptable	EPA 8270D 3	10/27/2011	0.579	57.5	10.8	GHAFFARI_M
5790	1-Chloronaphthalene	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5795	2-Chloronaphthalene	µg/L	< 1.00	< 5.40	0.00 - 5.40	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M



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



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WP Base/Neutrals (cat# 833) (Continued)												
5825	4-Chlorophenyl-phenylether	µg/L	< 2.00	< 9.90	0.00 - 9.90	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
5855	Chrysene	µg/L	37.5	36.0	15.1 - 49.3	Acceptable	EPA 8270D 3	10/27/2011	1.42	31.5	4.20	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	27.4	28.2	7.33 - 41.9	Acceptable	EPA 8270D 3	10/27/2011	1.26	21.4	4.73	GHAFFARI_M
5905	Dibenzofuran	µg/L	38.8	35.8	13.8 - 48.0	Acceptable	EPA 8270D 3	10/27/2011	2.12	29.4	4.42	GHAFFARI_M
5925	Di-n-butylphthalate	µg/L	97.9	91.9	30.2 - 121	Acceptable	EPA 8270D 3	10/27/2011	1.44	79.6	12.7	GHAFFARI_M
4610	1,2-Dichlorobenzene	µg/L		90.0	10.7 - 108	Not Reported				58.1	15.5	
4615	1,3-Dichlorobenzene	µg/L		48.2	6.53 - 58.2	Not Reported				30.3	9.94	
4620	1,4-Dichlorobenzene	µg/L		< 3.00	0.00 - 3.00	Not Reported				29.8	3.75	
5945	3,3'-Dichlorobenzidine	µg/L	< 40.0	< 60.0	0.00 - 60.0	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
6070	Diethylphthalate	µg/L	121	114	21.0 - 156	Acceptable	EPA 8270D 3	10/27/2011	1.41	88.5	23.1	GHAFFARI_M
6135	Dimethylphthalate	µg/L	< 10.0	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L	68.9	62.4	22.1 - 79.5	Acceptable	EPA 8270D 3	10/27/2011	1.96	52.6	8.28	GHAFFARI_M
6190	2,6-Dinitrotoluene	µg/L	132	129	53.8 - 161	Acceptable	EPA 8270D 3	10/27/2011	1.54	106	16.6	GHAFFARI_M
6200	Di-n-octylphthalate	µg/L	133	123	25.2 - 181	Acceptable	EPA 8270D 3	10/27/2011	1.13	110	20.4	GHAFFARI_M
6065	bis(2-Ethylhexyl)phthalate	µg/L	56.1	48.6	14.9 - 70.4	Acceptable	EPA 8270D 3	10/27/2011	1.67	43.2	7.72	GHAFFARI_M
6265	Fluoranthene	µg/L	179	178	77.4 - 210	Acceptable	EPA 8270D 3	10/27/2011	1.25	149	24.0	GHAFFARI_M
6270	Fluorene	µg/L	132	138	61.1 - 162	Acceptable	EPA 8270D 3	10/27/2011	1.19	112	17.1	GHAFFARI_M
6275	Hexachlorobenzene	µg/L	108	107	46.6 - 131	Acceptable	EPA 8270D 3	10/27/2011	1.20	91.7	13.5	GHAFFARI_M
4835	Hexachlorobutadiene	µg/L	< 3.00	< 5.00	0.00 - 5.00	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
6285	Hexachlorocyclopentadiene	µg/L	160	146	14.6 - 189	Acceptable	EPA 8270D 3	10/27/2011	2.08	100	28.8	GHAFFARI_M
4840	Hexachloroethane	µg/L	41.3	65.8	6.69 - 78.7	Acceptable	EPA 8270D 3	10/27/2011	0.292	37.4	13.4	GHAFFARI_M

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WP Base/Neutrals (cat# 833) (Continued)												
6315	Indeno(1,2,3-cd)pyrene	µg/L	< 0.200	< 4.30	0.00 - 4.30	Acceptable	EPA 8270D 3	10/27/2011		4.71	0.837	GHAFFARI_M
6320	Isophorone	µg/L	111	115	44.9 - 148	Acceptable	EPA 8270D 3	10/27/2011	0.860	97.5	15.7	GHAFFARI_M
6385	2-Methylnaphthalene	µg/L	59.6	64.2	11.4 - 79.0	Acceptable	EPA 8270D 3	10/27/2011	1.36	48.4	8.24	GHAFFARI_M
5005	Naphthalene	µg/L	< 0.200	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
6460	2-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
6465	3-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
6470	4-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5015	Nitrobenzene	µg/L	133	147	45.4 - 177	Acceptable	EPA 8270D 3	10/27/2011	0.708	117	22.1	GHAFFARI_M
6525	N-Nitrosodiethylamine	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
6530	N-Nitrosodimethylamine	µg/L	97.4	146	14.6 - 171	Acceptable	EPA 8270D 3	10/27/2011	0.607	78.0	31.8	GHAFFARI_M
6535	N-Nitrosodiphenylamine	µg/L	< 3.00	< 6.40	0.00 - 6.40	Acceptable	EPA 8270D 3	10/27/2011		10.0	0.00	GHAFFARI_M
6545	N-Nitroso-di-n-propylamine	µg/L	108	121	37.1 - 152	Acceptable	EPA 8270D 3	10/27/2011	0.502	99.4	17.1	GHAFFARI_M
6590	Pentachlorobenzene	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
6615	Phenanthrene	µg/L	< 0.200	< 15.0	0.00 - 15.0	Acceptable	EPA 8270D 3	10/27/2011		0.00	0.00	GHAFFARI_M
6665	Pyrene	µg/L	31.8	32.8	10.5 - 48.6	Acceptable	EPA 8270D 3	10/27/2011	0.898	28.0	4.23	GHAFFARI_M
5095	Pyridine	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
6715	1,2,4,5-Tetrachlorobenzene	µg/L		< 10.0	0.00 - 10.0	Not Reported				0.00	0.00	
5155	1,2,4-Trichlorobenzene	µg/L	54.1	67.8	14.0 - 82.9	Acceptable	EPA 8270D 3	10/27/2011	0.734	46.6	10.2	GHAFFARI_M

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WP Acids (cat# 834)												
5610	Benzoic acid	µg/L		< 30.0	0.00 - 30.0	Not Reported				178	0.00	
5700	4-Chloro-3-methylphenol	µg/L	110	112	43.5 - 144	Acceptable	EPA 8270D 3 2007	10/27/2011	1.36	90.6	14.3	GHAFFARI_M
5800	2-Chlorophenol	µg/L	138	156	44.1 - 196	Acceptable	EPA 8270D 3 2007	10/27/2011	0.705	124	19.6	GHAFFARI_M
6000	2,4-Dichlorophenol	µg/L	96.8	99.7	31.8 - 124	Acceptable	EPA 8270D 3 2007	10/27/2011	1.29	82.0	11.5	GHAFFARI_M
6005	2,6-Dichlorophenol	µg/L	62.8	63.8	21.6 - 81.7	Acceptable	EPA 8270D 3 2007	10/27/2011	0.954	56.5	6.64	GHAFFARI_M
6130	2,4-Dimethylphenol	µg/L	102	111	23.6 - 146	Acceptable	EPA 8270D 3 2007	10/27/2011	0.826	88.9	15.9	GHAFFARI_M
6360	4,6-Dinitro-2-methylphenol	µg/L	175	149	52.6 - 212	Acceptable	EPA 8270D 3 2007	10/27/2011	2.37	122	22.2	GHAFFARI_M
6175	2,4-Dinitrophenol	µg/L	221	166	16.6 - 222	Acceptable	EPA 8270D 3 2007	10/27/2011	3.51	121	28.4	GHAFFARI_M
6400	2-Methylphenol	µg/L	97.1	114	21.5 - 141	Acceptable	EPA 8270D 3 2007	10/27/2011	0.549	89.2	14.4	GHAFFARI_M
6410	4-Methylphenol	µg/L	154	184	18.4 - 236	Acceptable	EPA 8270D 3 2007	10/27/2011	0.880	131	26.0	GHAFFARI_M
6490	2-Nitrophenol	µg/L	80.3	80.5	21.8 - 103	Acceptable	EPA 8270D 3 2007	10/27/2011	1.58	65.1	9.62	GHAFFARI_M
6500	4-Nitrophenol	µg/L	47.8	133	13.3 - 179	Acceptable	EPA 8270D 3 2007	10/27/2011	-0.553	62.1	25.9	GHAFFARI_M
6605	Pentachlorophenol	µg/L	210	193	54.6 - 267	Acceptable	EPA 8270D 3 2007	10/27/2011	1.70	161	29.0	GHAFFARI_M
6625	Phenol	µg/L	41.7	111	11.1 - 150	Acceptable	EPA 8270D 3 2007	10/27/2011	-0.189	45.1	18.2	GHAFFARI_M
6735	2,3,4,6-Tetrachlorophenol	µg/L		121	42.2 - 160	Not Reported				108	14.7	
6835	2,4,5-Trichlorophenol	µg/L	177	175	60.3 - 221	Acceptable	EPA 8270D 3 2007	10/27/2011	1.91	148	15.0	GHAFFARI_M
6840	2,4,6-Trichlorophenol	µg/L	207	198	63.3 - 244	Acceptable	EPA 8270D 3 2007	10/27/2011	2.08	167	19.2	GHAFFARI_M



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WP Nitroaromatics & Nitramines (cat# 932)												
9306	4-Amino-2,6-dinitrotoluene	µg/L		11.2	6.16 - 16.2	Not Reported				10.9	1.41	
9303	2-Amino-4,6-dinitrotoluene	µg/L		4.96	2.73 - 7.19	Not Reported				4.94	0.818	
6160	1,3-Dinitrobenzene	µg/L	14.5	14.6	8.03 - 21.2	Acceptable	EPA 8270D 3	10/27/2011	0.198	14.2	1.72	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L		4.86	2.67 - 7.05	Not Reported				4.49	0.605	
6190	2,6-Dinitrotoluene	µg/L		17.6	9.68 - 25.5	Not Reported				16.2	2.10	
9522	HMX	µg/L		15.8	8.69 - 22.9	Not Reported				15.7	1.67	
5015	Nitrobenzene	µg/L		4.90	2.70 - 7.10	Not Reported				4.80	0.580	
9507	2-Nitrotoluene	µg/L		8.78	4.83 - 12.7	Not Reported				8.46	0.985	
9510	3-Nitrotoluene	µg/L		11.0	6.05 - 16.0	Not Reported				10.4	1.12	
9513	4-Nitrotoluene	µg/L		8.75	4.81 - 12.7	Not Reported				8.03	1.02	
9432	RDX	µg/L		8.95	4.92 - 13.0	Not Reported				8.87	0.964	
6415	Tetryl	µg/L		< 1.00	0.00 - 1.00	Not Reported				0.00	0.00	
6885	1,3,5-Trinitrobenzene	µg/L	10.1	9.42	5.18 - 13.6	Acceptable	EPA 8270D 3	10/27/2011	1.32	8.04	1.57	GHAFFARI_M
9651	2,4,6-Trinitrotoluene	µg/L		6.60	3.63 - 9.57	Not Reported				5.34	0.743	



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



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WP Low-Level PAHs (cat# 836)												
5500	Acenaphthene	µg/L	3.56	4.58	1.62 - 5.64	Acceptable	EPA 8270D	10/27/2011	-0.138	3.67	0.790	GHAFFARI_M
5505	Acenaphthylene	µg/L	6.68	7.93	3.37 - 9.17	Acceptable	EPA 8270D	10/27/2011	0.0567	6.60	1.44	GHAFFARI_M
5555	Anthracene	µg/L	1.02	1.03	0.295 - 1.42	Acceptable	EPA 8270D	10/27/2011	0.697	0.896	0.178	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	1.93	1.73	1.08 - 1.99	Acceptable	EPA 8270D	10/27/2011	2.06	1.51	0.205	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	1.84	1.67	0.799 - 2.05	Acceptable	EPA 8270D	10/27/2011	2.29	1.40	0.190	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	0.540	0.548	0.246 - 0.720	Acceptable	EPA 8270D	10/27/2011	0.345	0.510	0.0858	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	2.10	1.92	0.577 - 2.52	Acceptable	EPA 8270D	10/27/2011	1.58	1.50	0.377	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	1.29	1.19	0.508 - 1.50	Acceptable	EPA 8270D	10/27/2011	1.81	0.984	0.169	GHAFFARI_M
5855	Chrysene	µg/L	0.810	0.766	0.383 - 1.00	Acceptable	EPA 8270D	10/27/2011	1.24	0.684	0.101	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	1.44	1.50	0.475 - 2.03	Acceptable	EPA 8270D	10/27/2011	1.04	1.09	0.336	GHAFFARI_M
6265	Fluoranthene	µg/L	0.880	0.783	0.403 - 0.980	Acceptable	EPA 8270D	10/27/2011	1.26	0.718	0.128	GHAFFARI_M
6270	Fluorene	µg/L	6.71	7.49	3.16 - 8.72	Acceptable	EPA 8270D	10/27/2011	0.178	6.46	1.40	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	1.26	0.992	0.406 - 1.35	Acceptable	EPA 8270D	10/27/2011	3.12	0.875	0.123	GHAFFARI_M
5005	Naphthalene	µg/L	6.08	8.41	2.82 - 9.62	Acceptable	EPA 8270D	10/27/2011	-0.27	6.54	1.69	GHAFFARI_M
6615	Phenanthrene	µg/L	1.71	1.74	0.866 - 2.08	Acceptable	EPA 8270D	10/27/2011	0.789	1.49	0.274	GHAFFARI_M
6665	Pyrene	µg/L	1.61	1.58	0.868 - 1.89	Acceptable	EPA 8270D	10/27/2011	1.40	1.34	0.189	GHAFFARI_M

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WP Organochlorine Pesticides (cat# 831)

7025	Aldrin	µg/L	8.87	8.94	2.51 - 12.3	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.685	7.53	1.96	NAGAR_V
7110	alpha-BHC	µg/L	10.4	12.0	5.44 - 16.2	Acceptable	DEPSOP:GC-011-5	11/4/2011	-0.0405	10.5	2.39	NAGAR_V
7115	beta-BHC	µg/L	7.52	7.36	3.05 - 10.0	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.633	6.69	1.30	NAGAR_V
7105	delta-BHC	µg/L	2.65	2.70	0.858 - 3.80	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.409	2.43	0.527	NAGAR_V
7120	gamma-BHC(Lindane)	µg/L	5.56	5.84	2.37 - 8.09	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.261	5.24	1.24	NAGAR_V
7240	alpha-Chlordane	µg/L	3.11	3.36	1.50 - 4.63	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.280	2.94	0.588	NAGAR_V
7245	gamma-Chlordane	µg/L	6.53	6.63	2.72 - 9.00	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.475	5.93	1.25	NAGAR_V
7355	4,4'-DDD	µg/L	4.63	4.58	1.73 - 6.60	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.332	4.31	0.976	NAGAR_V
7360	4,4'-DDE	µg/L	3.91	4.44	1.95 - 5.82	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.132	3.78	0.940	NAGAR_V
7365	4,4'-DDT	µg/L	3.22	3.16	1.18 - 4.59	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.602	2.86	0.604	NAGAR_V
7470	Dieldrin	µg/L	2.62	2.98	1.42 - 4.12	Acceptable	DEPSOP:GC-011-5	11/4/2011	-0.0534	2.65	0.544	NAGAR_V
7540	Endrin	µg/L	2.97	2.84	1.13 - 4.37	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.387	2.70	0.699	NAGAR_V
7530	Endrin aldehyde	µg/L	7.10	7.34	2.05 - 11.2	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.345	6.72	1.11	NAGAR_V
7535	Endrin ketone	µg/L	4.52	4.65	2.38 - 6.69	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.627	4.10	0.678	NAGAR_V
7510	Endosulfan I	µg/L	3.49	4.78	1.11 - 6.63	Acceptable	DEPSOP:GC-011-5	11/4/2011	-0.00996	3.50	0.864	NAGAR_V
7515	Endosulfan II	µg/L	7.19	8.76	2.81 - 11.8	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.324	6.73	1.41	NAGAR_V
7520	Endosulfan sulfate	µg/L	7.78	8.03	3.01 - 11.7	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.167	7.52	1.54	NAGAR_V
7685	Heptachlor	µg/L	3.51	3.65	1.18 - 5.03	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.470	3.13	0.813	NAGAR_V
7690	Heptachlor epoxide (beta)	µg/L	6.62	6.62	3.29 - 9.25	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.500	6.07	1.10	NAGAR_V
7810	Methoxychlor	µg/L	10.1	9.33	2.48 - 14.7	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.714	8.97	1.58	NAGAR_V

WP Chlordane (cat# 837)

7250	Chlordane, technical	µg/L	9.63	8.85	3.32 - 12.8	Acceptable	DEPSOP:GC-011-5	11/4/2011	1.51	7.58	1.36	NAGAR_V
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WP Toxaphene (cat# 838)

8250	Toxaphene	µg/L	43.6	38.7	3.87 - 70.0	Acceptable	DEPSOP:GC-011-5	11/4/2011	0.888	37.4	7.02	NAGAR_V
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WP Organophosphorous Pesticides (OPP) (cat# 934)

7075	Azinphos-methyl (Guthion)	µg/L	9.86	9.14	0.914 - 15.9	Acceptable	DEPSOP:GC-012-3	11/3/2011	1.54	7.45	1.57	CARBONE_I
7220	Carbophenothion	µg/L		14.0	1.40 - 21.8	Not Reported				12.3	0.00	
7300	Chlorpyrifos	µg/L	8.95	10.8	3.04 - 15.2	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.357	8.27	1.89	CARBONE_I
7395	Demeton-O	µg/L		< 2.00	0.00 - 2.00	Not Reported				0.00	0.00	
7385	Demeton-S	µg/L		< 2.00	0.00 - 2.00	Not Reported				0.00	0.00	
7410	Diazinon	µg/L	9.46	12.1	4.47 - 17.8	Acceptable	DEPSOP:GC-012-3	11/3/2011	-0.234	9.96	2.14	CARBONE_I
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported				1.62	0.00	
7475	Dimethoate	µg/L		3.33	0.333 - 5.23	Not Reported				2.72	0.680	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported				0.00	0.00	
8625	Disulfoton	µg/L	4.55	3.60	0.597 - 5.88	Acceptable	DEPSOP:GC-012-3	11/3/2011	1.50	3.02	1.02	CARBONE_I
7565	Ethion	µg/L	3.07	3.61	1.14 - 6.05	Acceptable	DEPSOP:GC-012-3	11/3/2011	-1.5	3.54	0.313	CARBONE_I
7570	Ethoprop	µg/L	9.71	11.9	4.03 - 16.5	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.402	8.91	1.98	CARBONE_I
7955	Ethyl Parathion	µg/L	16.0	18.7	10.3 - 27.1	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.487	14.8	2.56	CARBONE_I
7580	Famphur	µg/L		10.1	3.27 - 17.5	Not Reported				8.50	1.32	
7640	Fonofos	µg/L	10.3	13.8	1.38 - 27.1	Acceptable	DEPSOP:GC-012-3	11/3/2011	-0.707	11.1	1.13	CARBONE_I
7770	Malathion	µg/L	13.8	15.7	3.68 - 24.6	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.301	12.7	3.53	CARBONE_I
7825	Methyl Parathion	µg/L	7.08	9.47	3.53 - 13.4	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.140	6.88	1.40	CARBONE_I
7985	Phorate	µg/L	4.72	5.25	1.76 - 6.70	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.327	4.35	1.13	CARBONE_I
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported				0.00	0.00	
8110	Ronnel	µg/L		18.7	7.13 - 22.8	Not Reported				12.0	2.66	
8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported				0.00	0.00	

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

8185	Terbufos	µg/L	13.3	16.9	4.71 - 21.0	Acceptable	DEPSOP:GC-012-3	11/3/2011	0.949	12.0	1.40	CARBONE_I
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