



A Waters Company

Thekkekalathil Chandrasekhar
State of Florida DEP Chemistry Laboratory
2600 Blair Stone Road
Room A416D, MS6512
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WP-213



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/15/12

Close Date: 11/29/12

Report Issued Date: 12/19/12



A Waters Company

December 19, 2012

Thekkekalathil Chandrasekhar
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Enclosed is your final report for ERA's WP-213 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-213 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 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 useful in helping you work through your technical issues.

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.

Thank you for your participation in ERA's WP-213 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-213 Definitions & Study Discussion

Study Dates: 10/15/12 - 11/29/12

Report Issued: 12/19/12

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-213 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-213 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-213 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-213 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.



Final Report Results For Laboratory State of Florida DEP Chemistry Laboratory



2009 TNI Evaluation Report

Study: **WP-213**

ERA Customer Number: **S744803**

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

Inorganic Results



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WP-213 2009 TNI Evaluation Final Complete Report

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

1505	Alkalinity as CaCO ₃	mg/L	32.4	32.1	26.9 - 38.4	Acceptable	SM2320B online	10/31/2012	0.0385	32.3	1.46	SIMMONS_D
1575	Chloride	mg/L	56.4	57.5	48.9 - 66.6	Acceptable	EPA 300.0 2.1	10/31/2012	-0.000793	56.4	2.56	DEARMAN_G
1610	Conductivity at 25°C	µmhos/cm	320	322	286 - 358	Acceptable	EPA 120.1	10/31/2012	-0.279	322	8.14	SIMMONS_D
1730	Fluoride	mg/L	3.13	3.17	2.65 - 3.70	Acceptable	SM4500F- C online	10/31/2012	0.553	3.04	0.153	SIMMONS_D
1125	Potassium	mg/L	21.2	22.0	18.1 - 26.3	Acceptable	EPA 200.7 4.4	10/29/2012	0.0573	21.1	1.56	AYRES_J
1155	Sodium	mg/L	50.8	51.1	43.4 - 58.7	Acceptable	EPA 200.7 4.4	10/29/2012	0.208	50.0	3.58	AYRES_J
2000	Sulfate	mg/L	17.6	19.0	14.7 - 22.8	Acceptable	EPA 300.0 2.1	10/31/2012	-0.394	18.0	1.15	DEARMAN_G
1955	Total Dissolved Solids at 180°C	mg/L	200	198	144 - 252	Acceptable	SM2540C online	11/2/2012	0.0930	198	16.6	LI_Y
1950	Total Solids at 105°C	mg/L		210	174 - 245	Not Reported				211	21.5	

WP Hardness (cat# 580)

1960	Non-Filterable Residue (TSS)	mg/L	61.2	62.9	50.2 - 71.0	Acceptable	SM2540D online	10/30/2012	0.574	58.9	4.03	LI_Y
1035	Calcium	mg/L	69.8	69.3	62.0 - 78.5	Acceptable	EPA 200.7 4.4	10/29/2012	0.680	67.6	3.29	AYRES_J
1085	Magnesium	mg/L	33.3	32.7	28.0 - 37.6	Acceptable	EPA 200.7 4.4	10/29/2012	0.512	32.5	1.63	AYRES_J
1550	Calcium Hardness as CaCO ₃	mg/L		173	155 - 196	Not Reported				168	7.35	
1755	Total Hardness as CaCO ₃	mg/L	312	308	270 - 351	Acceptable	SM2340B online	10/29/2012	1.20	300	10.1	AYRES_J



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





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WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L	17.2	16.8	12.5 - 20.8	Acceptable	EPA 350.1 2	10/31/2012	0.550	16.4	1.40	KAUS_P
1820	Nitrate + Nitrite as N	mg/L	2.49	2.44	1.98 - 2.86	Acceptable	EPA 353.2 2	11/1/2012	0.582	2.39	0.177	FEIZI_S
1810	Nitrate as N	mg/L	2.49	2.44	1.90 - 2.96	Acceptable	EPA 300.0 2.1	10/31/2012	0.622	2.39	0.154	DEARMAN_G
1870	ortho-Phosphate as P	mg/L	5.47	5.46	4.52 - 6.44	Acceptable	EPA 365.1 2	10/31/2012	0.330	5.37	0.300	WERTH_B

WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L		16.8	12.5 - 20.8	Not Reported				16.4	1.40	
1820	Nitrate + Nitrite as N	mg/L		2.44	1.98 - 2.86	Not Reported				2.39	0.177	
1810	Nitrate as N	mg/L	2.49	2.44	1.90 - 2.96	Acceptable	EPA 353.2 2	11/1/2012	0.622	2.39	0.154	STEINBOC_B
1870	ortho-Phosphate as P	mg/L		5.46	4.52 - 6.44	Not Reported				5.37	0.300	

WP Complex Nutrients (cat# 579)

1795	Total Kjeldahl Nitrogen	mg/L	11.5	11.4	7.58 - 14.8	Acceptable	EPA 351.2 2	11/7/2012	0.404	11.2	0.816	WERTH_B
1910	Total phosphorus as P	mg/L	8.41	7.83	6.47 - 9.26	Acceptable	EPA 365.1 2	11/7/2012	1.28	7.90	0.401	KAUS_P

WP Nitrite (cat# 888)

1840	Nitrite as N	mg/L	1.78	1.84	1.54 - 2.14	Acceptable	EPA 353.2 2	10/31/2012	-0.543	1.84	0.102	KAUS_P
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WP Demand (cat# 578)

1530	BOD	mg/L	100	128	65.0 - 192	Acceptable	SM5210B online	11/1/2012	-1.19	127	22.5	WOODS_J
1555	CBOD	mg/L	86.0	110	49.5 - 171	Acceptable	SM5210B online	11/1/2012	-1.6	115	18.4	WOODS_J
1565	COD	mg/L		207	161 - 234	Not Reported				205	11.3	
2040	TOC	mg/L	80.0	82.0	68.5 - 94.2	Acceptable	SM5310B online	11/1/2012	-0.221	81.2	5.68	JACKSON_R



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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	705	690	546 - 832	Acceptable	EPA 200.7 4.4	10/29/2012	-0.0284	706	51.1	AYRES_J
1005	Antimony	µg/L	210	246	165 - 299	Acceptable	EPA 200.7 4.4	10/29/2012	-1.65	238	17.0	AYRES_J
1010	Arsenic	µg/L	495	491	411 - 575	Acceptable	EPA 200.7 4.4	10/29/2012	0.568	481	23.8	AYRES_J
1015	Barium	µg/L	338	339	294 - 382	Acceptable	EPA 200.7 4.4	10/29/2012	-0.187	341	15.0	AYRES_J
1020	Beryllium	µg/L	344	329	279 - 372	Acceptable	EPA 200.7 4.4	10/29/2012	0.479	337	15.3	AYRES_J
1025	Boron	µg/L	1650	1700	1380 - 1980	Acceptable	EPA 200.7 4.4	10/29/2012	-0.327	1680	90.8	AYRES_J
1030	Cadmium	µg/L	471	498	425 - 566	Acceptable	EPA 200.7 4.4	10/29/2012	-0.448	483	26.6	AYRES_J
1040	Chromium	µg/L	312	316	274 - 358	Acceptable	EPA 200.7 4.4	10/29/2012	-0.285	316	14.5	AYRES_J
1050	Cobalt	µg/L	291	277	242 - 311	Acceptable	EPA 200.7 4.4	10/29/2012	-0.0072	291	14.9	AYRES_J
1055	Copper	µg/L	410	409	368 - 450	Acceptable	EPA 200.7 4.4	10/29/2012	-0.13	413	20.4	AYRES_J
1070	Iron	µg/L	707	660	582 - 748	Acceptable	EPA 200.7 4.4	10/29/2012	1.10	672	31.4	AYRES_J
1075	Lead	µg/L	1450	1460	1280 - 1630	Acceptable	EPA 200.7 4.4	10/29/2012	-0.302	1470	68.7	AYRES_J
1090	Manganese	µg/L	2070	1980	1780 - 2200	Acceptable	EPA 200.7 4.4	10/29/2012	0.371	2030	98.0	AYRES_J
1100	Molybdenum	µg/L	181	189	156 - 220	Acceptable	EPA 200.7 4.4	10/29/2012	-0.711	188	9.29	AYRES_J
1105	Nickel	µg/L	2500	2420	2180 - 2700	Acceptable	EPA 200.7 4.4	10/29/2012	0.666	2420	113	AYRES_J
1140	Selenium	µg/L	469	486	384 - 563	Acceptable	EPA 200.7 4.4	10/29/2012	-0.41	480	26.5	AYRES_J
1150	Silver	µg/L	326	308	264 - 353	Acceptable	EPA 200.7 4.4	11/1/2012	0.971	310	16.2	AYRES_J
1160	Strontium	µg/L	177	178	154 - 202	Acceptable	EPA 200.7 4.4	10/29/2012	-0.0852	178	10.2	AYRES_J
1165	Thallium	µg/L	743	748	615 - 889	Acceptable	EPA 200.7 4.4	10/29/2012	-0.294	756	44.8	AYRES_J
1185	Vanadium	µg/L	285	287	251 - 322	Acceptable	EPA 200.7 4.4	10/29/2012	0.142	283	12.8	AYRES_J



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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	1520	1540	1320 - 1760	Acceptable	EPA 200.7 4.4	10/29/2012	-0.00655	1520	84.2	AYRES_J
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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	687	690	546 - 832	Acceptable	EPA 200.8 5.4	10/29/2012	-0.381	706	51.1	PETERSON_C
1005	Antimony	µg/L	219	246	165 - 299	Acceptable	EPA 200.8 5.4	10/29/2012	-1.12	238	17.0	PETERSON_C
1010	Arsenic	µg/L	472	491	411 - 575	Acceptable	EPA 200.8 5.4	10/29/2012	-0.397	481	23.8	PETERSON_C
1015	Barium	µg/L	332	339	294 - 382	Acceptable	EPA 200.8 5.4	10/29/2012	-0.586	341	15.0	PETERSON_C
1020	Beryllium	µg/L	339	329	279 - 372	Acceptable	EPA 200.8 5.4	10/30/2012	0.152	337	15.3	PETERSON_C
1025	Boron	µg/L		1700	1380 - 1980	Not Reported				1680	90.8	
1030	Cadmium	µg/L	484	498	425 - 566	Acceptable	EPA 200.8 5.4	10/29/2012	0.0407	483	26.6	PETERSON_C
1040	Chromium	µg/L	312	316	274 - 358	Acceptable	EPA 200.8 5.4	10/29/2012	-0.285	316	14.5	PETERSON_C
1050	Cobalt	µg/L	287	277	242 - 311	Acceptable	EPA 200.8 5.4	10/29/2012	-0.276	291	14.9	PETERSON_C
1055	Copper	µg/L	406	409	368 - 450	Acceptable	EPA 200.8 5.4	10/29/2012	-0.327	413	20.4	PETERSON_C
1070	Iron	µg/L		660	582 - 748	Not Reported				672	31.4	
1075	Lead	µg/L	1440	1460	1280 - 1630	Acceptable	EPA 200.8 5.4	10/29/2012	-0.448	1470	68.7	PETERSON_C
1090	Manganese	µg/L	1990	1980	1780 - 2200	Acceptable	EPA 200.8 5.4	10/29/2012	-0.446	2030	98.0	PETERSON_C
1100	Molybdenum	µg/L	183	189	156 - 220	Acceptable	EPA 200.8 5.4	10/29/2012	-0.496	188	9.29	PETERSON_C
1105	Nickel	µg/L	2360	2420	2180 - 2700	Acceptable	EPA 200.8 5.4	10/29/2012	-0.572	2420	113	PETERSON_C
1140	Selenium	µg/L	453	486	384 - 563	Acceptable	EPA 200.8 5.4	10/29/2012	-1.02	480	26.5	PETERSON_C
1150	Silver	µg/L	325	308	264 - 353	Acceptable	EPA 200.8 5.4	10/31/2012	0.909	310	16.2	PETERSON_C
1160	Strontium	µg/L		178	154 - 202	Not Reported				178	10.2	
1165	Thallium	µg/L	755	748	615 - 889	Acceptable	EPA 200.8 5.4	10/29/2012	-0.0267	756	44.8	PETERSON_C
1185	Vanadium	µg/L		287	251 - 322	Not Reported				283	12.8	



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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	1550	1540	1320 - 1760	Acceptable	EPA 200.8 5.4	10/29/2012	0.350	1520	84.2	PETERSON_C
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WP Mercury (cat# 574)

1095	Mercury	µg/L	11.9	12.5	7.69 - 16.9	Acceptable	EPA 245.1 3	10/26/2012	-0.256	12.3	1.66	ACOSTA_M
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WP Low-Level Mercury (cat# 896)

1095	Low Level Mercury	ng/L	24.7	25.7	14.6 - 36.7	Acceptable	EPA 1631E	10/23/2012	-0.32	25.8	3.28	TOPOLSKI_B
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WP Tin & Titanium (cat# 573)

1175	Tin	µg/L	4340	4110	3240 - 5010	Acceptable	EPA 200.7 4.4	10/29/2012	1.06	4130	200	AYRES_J
1180	Titanium	µg/L	105	104	88.5 - 118	Acceptable	EPA 200.7 4.4	10/29/2012	0.692	102	3.48	AYRES_J

WP Color (cat# 882)

1605	Color	PC units	38.3	40.0	26.8 - 50.2	Acceptable	SM2120B online	10/31/2012	-0.159	39.4	6.62	JACKSON_R
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WP Turbidity (cat# 893)

2055	Turbidity	NTU	12.0	11.8	9.66 - 14.0	Acceptable	EPA 180.1 2	10/31/2012	-1.05	12.6	0.556	FACH_B
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WP Total Cyanide (cat# 588)

1645	Cyanide, total	mg/L	0.339	0.325	0.168 - 0.488	Acceptable	EPA 335.4	11/6/2012	0.0514	0.337	0.0435	BRYANT_V
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WP Silica (cat# 890)

1990	Silica as SiO ₂	mg/L	96.9	89.6	67.2 - 112	Acceptable	EPA 200.7 4.4	10/25/2012	1.50	88.8	5.37	AYRES_J
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WP Sulfide (cat# 891)

2005	Sulfide	mg/L	6.16	6.26	2.81 - 9.02	Acceptable	SM4500S2- D online	10/22/2012	0.390	5.70	1.19	SIMMONS_D
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2009 TNI Evaluation Report

Study: **WP-213**

ERA Customer Number: **S744803**

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

Organic Results



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WP-213 2009 TNI Evaluation Final Complete Report

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WP Volatiles (cat# 830)

4315	Acetone	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4320	Acetonitrile	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4325	Acrolein	µg/L	< 5.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	11/8/2012				BOOESHAG_F
4340	Acrylonitrile	µg/L	< 4.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	11/8/2012				BOOESHAG_F
4375	Benzene	µg/L		83.1	60.6 - 105	Not Reported				83.5	6.89	
4395	Bromodichloromethane	µg/L		61.0	43.2 - 82.4	Not Reported				62.5	5.82	
4400	Bromoform	µg/L		57.0	36.5 - 78.5	Not Reported				58.5	7.81	
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						
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		45.7	25.2 - 62.5	Not Reported				43.2	5.44	
4475	Chlorobenzene	µg/L		< 7.10	0.00 - 7.10	Not Reported						
4575	Chlorodibromomethane	µg/L		42.8	29.1 - 56.8	Not Reported				44.2	4.03	
4485	Chloroethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L		< 8.10	0.00 - 8.10	Not Reported						
4960	Chloromethane	µg/L		32.0	12.8 - 51.2	Not Reported				32.5	5.78	
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4585	1,2-Dibromoethane (EDB)	µg/L		< 5.00	0.00 - 5.00	Not Reported						



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WP Volatiles (cat# 830) (Continued)

4595	Dibromomethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4610	1,2-Dichlorobenzene	µg/L		< 4.90	0.00 - 4.90	Not Reported						
4615	1,3-Dichlorobenzene	µg/L		26.8	17.6 - 34.6	Not Reported				25.6	2.60	
4620	1,4-Dichlorobenzene	µg/L		58.9	39.8 - 74.0	Not Reported				56.8	5.10	
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		46.0	29.1 - 63.1	Not Reported				47.4	4.77	
4635	1,2-Dichloroethane	µg/L		27.7	19.2 - 37.2	Not Reported				28.6	2.83	
4640	1,1-Dichloroethylene	µg/L		62.0	32.0 - 89.9	Not Reported				64.9	9.82	
4645	cis-1,2-Dichloroethylene	µg/L		31.6	21.5 - 42.3	Not Reported				31.1	3.88	
4700	trans-1,2-Dichloroethylene	µg/L		21.3	11.1 - 32.0	Not Reported				20.4	2.37	
4655	1,2-Dichloropropane	µg/L		72.3	47.4 - 95.3	Not Reported				72.4	5.92	
4680	cis-1,3-Dichloropropylene	µg/L		80.6	53.7 - 102	Not Reported				77.6	8.57	
4685	trans-1,3-Dichloropropylene	µg/L		39.9	25.2 - 53.6	Not Reported				39.7	4.77	
4765	Ethylbenzene	µg/L		< 5.80	0.00 - 5.80	Not Reported						
4835	Hexachlorobutadiene	µg/L		89.8	9.85 - 108	Not Reported				77.1	22.7	
4860	2-Hexanone	µg/L		161	81.3 - 240	Not Reported				166	26.2	
4975	Methylene chloride	µg/L		79.0	48.4 - 110	Not Reported				80.3	7.42	
4995	4-Methyl-2-pentanone (MIBK)	µg/L		83.2	38.8 - 124	Not Reported				86.3	11.1	
5005	Naphthalene	µg/L		17.3	7.44 - 25.8	Not Reported				16.2	2.74	
5100	Styrene	µg/L		37.2	24.3 - 50.4	Not Reported				37.8	3.81	



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WP Volatiles (cat# 830) (Continued)

5105	1,1,1,2-Tetrachloroethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5110	1,1,2,2-Tetrachloroethane	µg/L		20.1	10.1 - 32.0	Not Reported				20.4	2.35	
5115	Tetrachloroethylene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5140	Toluene	µg/L		37.8	26.3 - 47.7	Not Reported				36.5	3.16	
5155	1,2,4-Trichlorobenzene	µg/L		32.4	12.5 - 44.2	Not Reported				30.1	4.23	
5160	1,1,1-Trichloroethane	µg/L		10.1	6.55 - 14.2	Not Reported				9.86	1.20	
5165	1,1,2-Trichloroethane	µg/L		31.9	22.3 - 42.3	Not Reported				32.6	2.55	
5170	Trichloroethylene	µg/L		66.2	42.1 - 86.3	Not Reported				63.4	5.22	
5175	Trichlorofluoromethane	µg/L		63.5	25.4 - 102	Not Reported				66.4	12.5	
5180	1,2,3-Trichloropropane (TCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L		< 8.00	0.00 - 8.00	Not Reported						
5260	Xylenes, total	µg/L		76.9	43.6 - 105	Not Reported				74.7	7.70	



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WP Volatiles (cat# 830)

4315	Acetone	µg/L		< 5.00	0.00 - 5.00	Not Reported						
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	91.8	83.1	60.6 - 105	Acceptable	EPA 8260C	11/9/2012	1.21	83.5	6.89	BOOESHAG_F
4395	Bromodichloromethane	µg/L	57.7	61.0	43.2 - 82.4	Acceptable	EPA 8260C	11/9/2012	-0.825	62.5	5.82	BOOESHAG_F
4400	Bromoform	µg/L	50.6	57.0	36.5 - 78.5	Acceptable	EPA 8260C	11/9/2012	-1.01	58.5	7.81	BOOESHAG_F
4950	Bromomethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4410	2-Butanone (MEK)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5000	tert-Butyl methyl ether (MTBE)	µg/L	< 0.500	< 9.00	0.00 - 9.00	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L	41.6	45.7	25.2 - 62.5	Acceptable	EPA 8260C	11/9/2012	-0.285	43.2	5.44	BOOESHAG_F
4475	Chlorobenzene	µg/L	< 0.200	< 7.10	0.00 - 7.10	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4575	Chlorodibromomethane	µg/L	41.7	42.8	29.1 - 56.8	Acceptable	EPA 8260C	11/9/2012	-0.625	44.2	4.03	BOOESHAG_F
4485	Chloroethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L	< 0.200	< 8.10	0.00 - 8.10	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4960	Chloromethane	µg/L	34.8	32.0	12.8 - 51.2	Acceptable	EPA 8260C	11/9/2012	0.396	32.5	5.78	BOOESHAG_F
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4585	1,2-Dibromoethane (EDB)	µg/L		< 5.00	0.00 - 5.00	Not Reported						

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WP Volatiles (cat# 830) (Continued)

4595	Dibromomethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4610	1,2-Dichlorobenzene	µg/L	< 0.500	< 4.90	0.00 - 4.90	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4615	1,3-Dichlorobenzene	µg/L	28.6	26.8	17.6 - 34.6	Acceptable	EPA 8260C	11/9/2012	1.14	25.6	2.60	BOOESHAG_F
4620	1,4-Dichlorobenzene	µg/L	63.1	58.9	39.8 - 74.0	Acceptable	EPA 8260C	11/9/2012	1.22	56.8	5.10	BOOESHAG_F
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L	51.9	46.0	29.1 - 63.1	Acceptable	EPA 8260C	11/9/2012	0.949	47.4	4.77	BOOESHAG_F
4635	1,2-Dichloroethane	µg/L	32.1	27.7	19.2 - 37.2	Acceptable	EPA 8260C	11/9/2012	1.24	28.6	2.83	BOOESHAG_F
4640	1,1-Dichloroethylene	µg/L	78.2	62.0	32.0 - 89.9	Acceptable	EPA 8260C	11/9/2012	1.35	64.9	9.82	BOOESHAG_F
4645	cis-1,2-Dichloroethylene	µg/L	33.2	31.6	21.5 - 42.3	Acceptable	EPA 8260C	11/9/2012	0.543	31.1	3.88	BOOESHAG_F
4700	trans-1,2-Dichloroethylene	µg/L	21.6	21.3	11.1 - 32.0	Acceptable	EPA 8260C	11/9/2012	0.497	20.4	2.37	BOOESHAG_F
4655	1,2-Dichloropropane	µg/L	80.6	72.3	47.4 - 95.3	Acceptable	EPA 8260C	11/9/2012	1.38	72.4	5.92	BOOESHAG_F
4680	cis-1,3-Dichloropropylene	µg/L	74.0	80.6	53.7 - 102	Acceptable	EPA 8260C	11/9/2012	-0.423	77.6	8.57	BOOESHAG_F
4685	trans-1,3-Dichloropropylene	µg/L	34.6	39.9	25.2 - 53.6	Acceptable	EPA 8260C	11/9/2012	-1.08	39.7	4.77	BOOESHAG_F
4765	Ethylbenzene	µg/L	< 0.500	< 5.80	0.00 - 5.80	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
4835	Hexachlorobutadiene	µg/L		89.8	9.85 - 108	Not Reported				77.1	22.7	
4860	2-Hexanone	µg/L	190	161	81.3 - 240	Acceptable	EPA 8260C	11/9/2012	0.923	166	26.2	BOOESHAG_F
5005	Naphthalene	µg/L		17.3	7.44 - 25.8	Not Reported				16.2	2.74	

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WP Volatiles (cat# 830) (Continued)

4975	Methylene chloride	µg/L	84.5	79.0	48.4 - 110	Acceptable	EPA 8260C	11/9/2012	0.568	80.3	7.42	BOOESHAG_F
4995	4-Methyl-2-pentanone (MIBK)	µg/L	99.0	83.2	38.8 - 124	Acceptable	EPA 8260C	11/9/2012	1.14	86.3	11.1	BOOESHAG_F
5100	Styrene	µg/L	39.9	37.2	24.3 - 50.4	Acceptable	EPA 8260C	11/9/2012	0.547	37.8	3.81	BOOESHAG_F
5105	1,1,1,2-Tetrachloroethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5110	1,1,2,2-Tetrachloroethane	µg/L	18.6	20.1	10.1 - 32.0	Acceptable	EPA 8260C	11/9/2012	-0.784	20.4	2.35	BOOESHAG_F
5115	Tetrachloroethylene	µg/L	< 0.500	< 4.30	0.00 - 4.30	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
5140	Toluene	µg/L	37.9	37.8	26.3 - 47.7	Acceptable	EPA 8260C	11/9/2012	0.444	36.5	3.16	BOOESHAG_F
5155	1,2,4-Trichlorobenzene	µg/L		32.4	12.5 - 44.2	Not Reported				30.1	4.23	
5160	1,1,1-Trichloroethane	µg/L	8.80	10.1	6.55 - 14.2	Acceptable	EPA 8260C	11/9/2012	-0.884	9.86	1.20	BOOESHAG_F
5165	1,1,2-Trichloroethane	µg/L	37.1	31.9	22.3 - 42.3	Acceptable	EPA 8260C	11/9/2012	1.78	32.6	2.55	BOOESHAG_F
5170	Trichloroethylene	µg/L	72.8	66.2	42.1 - 86.3	Acceptable	EPA 8260C	11/9/2012	1.80	63.4	5.22	BOOESHAG_F
5175	Trichlorofluoromethane	µg/L	90.8	63.5	25.4 - 102	Acceptable	EPA 8260C	11/9/2012	1.95	66.4	12.5	BOOESHAG_F
5180	1,2,3-Trichloropropane (TCP)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C	11/9/2012				BOOESHAG_F
5260	Xylenes, total	µg/L	81.4	76.9	43.6 - 105	Acceptable	EPA 8260C	11/9/2012	0.874	74.7	7.70	BOOESHAG_F



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WP Chlorinated Acid Herbicides (cat# 829)

8505	Acifluorfen	µg/L		4.95	0.693 - 7.29	Not Reported				3.95	1.18	
8530	Bentazon	µg/L		2.40	0.240 - 4.36	Not Reported				2.36	0.354	
8540	Chloramben	µg/L		4.44	0.444 - 6.76	Not Reported				3.32	0.556	
8545	2,4-D	µg/L	4.40	4.12	0.412 - 6.83	Acceptable	DEPSOP:LC-001-2	11/1/2012	0.854	3.68	0.841	REDDY_S
8560	2,4-DB	µg/L		3.76	0.376 - 6.39	Not Reported				3.32	0.861	
8550	Dacthal diacid (DCPA)	µg/L		3.89	0.491 - 5.55	Not Reported				3.06	0.590	
8555	Dalapon	µg/L		6.73	0.673 - 10.6	Not Reported				4.63	1.61	
8595	Dicamba	µg/L	5.84	7.43	0.743 - 10.8	Acceptable	DEPSOP:LC-001-2	11/1/2012	-0.371	6.30	1.24	REDDY_S
8600	3,5-Dichlorobenzoic acid	µg/L		6.58	1.38 - 9.91	Not Reported				6.01	1.30	
8605	Dichlorprop	µg/L		8.48	1.45 - 12.7	Not Reported				7.71	1.44	
8620	Dinoseb	µg/L	2.34	2.32	0.232 - 3.50	Acceptable	DEPSOP:LC-001-2	11/1/2012	0.202	2.11	1.15	REDDY_S
7775	MCPA	µg/L		< 10.0	0.00 - 10.0	Not Reported						
7780	MCPP	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6500	4-Nitrophenol	µg/L		4.33	0.433 - 6.65	Not Reported				3.03	1.49	
6605	Pentachlorophenol	µg/L		5.12	0.659 - 7.73	Not Reported				4.18	0.889	
8645	Picloram	µg/L		9.54	0.954 - 15.4	Not Reported				6.34	2.35	
8655	2,4,5-T	µg/L	6.04	6.60	0.660 - 9.71	Acceptable	DEPSOP:LC-001-2	11/1/2012	0.628	5.45	0.938	REDDY_S
8650	2,4,5-TP (Silvex)	µg/L	3.78	4.43	0.533 - 6.56	Acceptable	DEPSOP:LC-001-2	11/1/2012	-0.57	4.26	0.844	REDDY_S



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WP PCBs in Water (cat# 832S)

8880	Aroclor 1016	µg/L	7.24	7.65	2.22 - 10.7	Acceptable	EPA 8082A	10/25/2012	0.978	5.97	1.30	NAGAR_V
8885	Aroclor 1221	µg/L	< 0.100	< 0.130	0.00 - 0.130	Acceptable	EPA 8082A	10/25/2012				NAGAR_V
8890	Aroclor 1232	µg/L	< 0.100	< 0.610	0.00 - 0.610	Acceptable	EPA 8082A	10/25/2012				NAGAR_V
8895	Aroclor 1242	µg/L	< 0.100	< 1.40	0.00 - 1.40	Acceptable	EPA 8082A	10/25/2012				NAGAR_V
8900	Aroclor 1248	µg/L	< 0.100	< 0.600	0.00 - 0.600	Acceptable	EPA 8082A	10/25/2012				NAGAR_V
8905	Aroclor 1254	µg/L	< 0.100	< 0.640	0.00 - 0.640	Acceptable	EPA 8082A	10/25/2012				NAGAR_V
8910	Aroclor 1260	µg/L	< 0.100	< 0.620	0.00 - 0.620	Acceptable	EPA 8082A	10/25/2012				NAGAR_V

WP PCBs in Oil (cat# 835S)

8880	Aroclor 1016	mg/kg	11.9	18.3	1.87 - 27.9	Acceptable	EPA 8082A	10/30/2012	-0.465	14.4	5.38	NAGAR_V
8895	Aroclor 1242	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A	10/30/2012				NAGAR_V
8905	Aroclor 1254	mg/kg	< 0.100	< 1.60	0.00 - 1.60	Acceptable	EPA 8082A	10/30/2012				NAGAR_V
8910	Aroclor 1260	mg/kg	< 0.100	< 2.40	0.00 - 2.40	Acceptable	EPA 8082A	10/30/2012				NAGAR_V

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WP Base/Neutrals (cat# 833)

5500	Acenaphthene	µg/L	52.4	66.6	27.0 - 80.1	Acceptable	EPA 8270D 3	11/7/2012	0.0615	51.7	11.2	GHAFFARI_M
5505	Acenaphthylene	µg/L	< 0.200	< 3.00	0.00 - 3.00	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5145	2-Amino-1-methylbenzene (o-toluidine)	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5545	Aniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5555	Anthracene	µg/L	76.2	81.6	34.5 - 102	Acceptable	EPA 8270D 3	11/7/2012	0.500	70.1	12.3	GHAFFARI_M
5595	Benzidine	µg/L	< 100	< 20.0	0.00 - 20.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	37.6	38.3	17.0 - 49.1	Acceptable	EPA 8270D 3	11/7/2012	0.863	33.1	5.17	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	< 0.200	< 5.80	0.00 - 5.80	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	37.8	37.7	8.56 - 57.4	Acceptable	EPA 8270D 3	11/7/2012	0.979	32.4	5.56	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	< 0.200	< 2.90	0.00 - 2.90	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	22.9	26.3	8.25 - 35.9	Acceptable	EPA 8270D 3	11/7/2012	0.648	20.2	4.15	GHAFFARI_M
5630	Benzyl alcohol	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5660	4-Bromophenyl-phenylether	µg/L	153	157	50.2 - 209	Acceptable	EPA 8270D 3	11/7/2012	0.664	135	27.1	GHAFFARI_M
5670	Butylbenzylphthalate	µg/L	123	106	19.2 - 152	Acceptable	EPA 8270D 3	11/7/2012	1.41	91.4	22.4	GHAFFARI_M
5680	Carbazole	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5745	4-Chloroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5760	bis(2-Chloroethoxy)methane	µg/L	< 1.00	< 3.60	0.00 - 3.60	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5765	bis(2-Chloroethyl)ether	µg/L	81.5	103	28.0 - 126	Acceptable	EPA 8270D 3	11/7/2012	0.417	74.0	18.0	GHAFFARI_M
5780	bis(2-Chloroisopropyl)ether	µg/L	66.6	65.4	17.4 - 81.9	Acceptable	EPA 8270D 3	11/7/2012	1.65	48.1	11.2	GHAFFARI_M
5790	1-Chloronaphthalene	µg/L		< 10.0	0.00 - 10.0	Not Reported						



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

5795	2-Chloronaphthalene	µg/L	64.8	78.3	23.7 - 95.1	Acceptable	EPA 8270D 3	11/7/2012	0.467	58.5	13.4	GHAFFARI_M
5825	4-Chlorophenyl-phenylether	µg/L	41.7	42.0	16.2 - 54.3	Acceptable	EPA 8270D 3	11/7/2012	0.363	39.0	7.42	GHAFFARI_M
5855	Chrysene	µg/L	42.6	41.7	17.2 - 56.4	Acceptable	EPA 8270D 3	11/7/2012	1.08	36.9	5.26	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	32.8	33.9	8.98 - 49.5	Acceptable	EPA 8270D 3	11/7/2012	0.582	29.6	5.49	GHAFFARI_M
5905	Dibenzofuran	µg/L	46.9	45.8	17.1 - 59.8	Acceptable	EPA 8270D 3	11/7/2012	0.592	42.2	7.90	GHAFFARI_M
5925	Di-n-butylphthalate	µg/L	56.8	51.9	17.8 - 72.1	Acceptable	EPA 8270D 3	11/7/2012	1.20	46.8	8.28	GHAFFARI_M
4610	1,2-Dichlorobenzene	µg/L		82.5	9.56 - 99.8	Not Reported				51.8	17.2	
4615	1,3-Dichlorobenzene	µg/L		42.6	5.91 - 51.9	Not Reported				24.8	9.25	
4620	1,4-Dichlorobenzene	µg/L		133	13.3 - 157	Not Reported				77.6	26.2	
5945	3,3'-Dichlorobenzidine	µg/L	< 40.0	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6070	Diethylphthalate	µg/L	90.2	94.9	17.0 - 132	Acceptable	EPA 8270D 3	11/7/2012	0.582	79.3	18.7	GHAFFARI_M
6135	Dimethylphthalate	µg/L	< 10.0	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L	< 1.00	< 5.30	0.00 - 5.30	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6190	2,6-Dinitrotoluene	µg/L	< 1.00	< 6.70	0.00 - 6.70	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6200	Di-n-octylphthalate	µg/L	< 1.00	< 14.0	0.00 - 14.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6065	bis(2-Ethylhexyl)phthalate	µg/L	85.2	78.5	23.4 - 109	Acceptable	EPA 8270D 3	11/7/2012	1.21	69.4	13.1	GHAFFARI_M
6265	Fluoranthene	µg/L	< 0.200	< 14.0	0.00 - 14.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6270	Fluorene	µg/L	68.0	77.8	32.8 - 94.3	Acceptable	EPA 8270D 3	11/7/2012	0.251	65.0	12.0	GHAFFARI_M
6275	Hexachlorobenzene	µg/L	58.7	59.7	25.5 - 75.0	Acceptable	EPA 8270D 3	11/7/2012	0.933	49.9	9.41	GHAFFARI_M
4835	Hexachlorobutadiene	µg/L	77.8	112	13.0 - 133	Acceptable	EPA 8270D 3	11/7/2012	0.436	66.2	26.5	GHAFFARI_M



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

6285	Hexachlorocyclopentadiene	µg/L	77.2	133	13.3 - 173	Acceptable	EPA 8270D 3	11/7/2012	-0.372	91.5	38.4	GHAFFARI_M
4840	Hexachloroethane	µg/L	65.8	97.1	10.1 - 114	Acceptable	EPA 8270D 3	11/7/2012	0.556	53.6	21.9	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	< 0.200	< 4.30	0.00 - 4.30	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6320	Isophorone	µg/L	< 1.00	< 13.0	0.00 - 13.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6385	2-Methylnaphthalene	µg/L	< 0.200	< 3.50	0.00 - 3.50	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
5005	Naphthalene	µg/L	130	169	43.0 - 198	Acceptable	EPA 8270D 3	11/7/2012	0.410	117	31.8	GHAFFARI_M
6460	2-Nitroaniline	µg/L		< 10.0	0.00 - 10.0	Not Reported						
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	99.6	118	36.7 - 143	Acceptable	EPA 8270D 3	11/7/2012	0.642	88.0	18.0	GHAFFARI_M
6525	N-Nitrosodiethylamine	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6530	N-Nitrosodimethylamine	µg/L	113	170	17.0 - 198	Acceptable	EPA 8270D 3	11/7/2012	0.647	88.2	38.2	GHAFFARI_M
6535	N-Nitrosodiphenylamine	µg/L	< 3.00	< 6.40	0.00 - 6.40	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6545	N-Nitroso-di-n-propylamine	µg/L	< 2.00	< 4.80	0.00 - 4.80	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6590	Pentachlorobenzene	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6615	Phenanthrene	µg/L	36.8	39.0	19.5 - 50.0	Acceptable	EPA 8270D 3	11/7/2012	0.640	33.2	5.65	GHAFFARI_M
6665	Pyrene	µg/L	55.5	57.3	18.8 - 80.5	Acceptable	EPA 8270D 3	11/7/2012	0.967	47.9	7.88	GHAFFARI_M
5095	Pyridine	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6715	1,2,4,5-Tetrachlorobenzene	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5155	1,2,4-Trichlorobenzene	µg/L	66.1	93.9	20.4 - 113	Acceptable	EPA 8270D 3	11/7/2012	0.138	63.5	18.8	GHAFFARI_M



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WP Acids (cat# 834)

5610	Benzoic acid	µg/L		< 30.0	0.00 - 30.0	Not Reported						
5700	4-Chloro-3-methylphenol	µg/L	162	175	69.2 - 225	Acceptable	EPA 8270D 3	11/7/2012	0.493	147	29.9	GHAFFARI_M
5800	2-Chlorophenol	µg/L	103	119	34.3 - 150	Acceptable	EPA 8270D 3	11/7/2012	0.726	88.6	19.9	GHAFFARI_M
6000	2,4-Dichlorophenol	µg/L	48.5	57.6	17.3 - 74.2	Acceptable	EPA 8270D 3	11/7/2012	0.120	47.3	10.1	GHAFFARI_M
6005	2,6-Dichlorophenol	µg/L	116	112	35.2 - 140	Acceptable	EPA 8270D 3	11/7/2012	0.804	97.2	23.4	GHAFFARI_M
6130	2,4-Dimethylphenol	µg/L	91.7	108	22.9 - 142	Acceptable	EPA 8270D 3	11/7/2012	0.407	83.0	21.4	GHAFFARI_M
6360	4,6-Dinitro-2-methylphenol	µg/L	156	154	54.7 - 220	Acceptable	EPA 8270D 3	11/7/2012	1.35	116	29.8	GHAFFARI_M
6175	2,4-Dinitrophenol	µg/L	< 15.0	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6400	2-Methylphenol	µg/L	54.8	67.4	12.8 - 84.6	Acceptable	EPA 8270D 3	11/7/2012	0.495	48.4	12.9	GHAFFARI_M
6410	4-Methylphenol	µg/L	< 2.00	< 5.00	0.00 - 5.00	Acceptable	EPA 8270D 3	11/7/2012				GHAFFARI_M
6490	2-Nitrophenol	µg/L	72.5	86.6	22.9 - 111	Acceptable	EPA 8270D 3	11/7/2012	0.289	68.7	13.2	GHAFFARI_M
6500	4-Nitrophenol	µg/L	73.6	162	16.2 - 217	Acceptable	EPA 8270D 3	11/7/2012	-0.0405	74.8	29.1	GHAFFARI_M
6605	Pentachlorophenol	µg/L	173	137	37.0 - 189	Acceptable	EPA 8270D 3	11/7/2012	1.89	116	30.4	GHAFFARI_M
6625	Phenol	µg/L	47.2	136	13.6 - 183	Acceptable	EPA 8270D 3	11/7/2012	-0.345	56.1	25.9	GHAFFARI_M
6735	2,3,4,6-Tetrachlorophenol	µg/L		121	42.2 - 160	Not Reported				99.4	27.4	
6835	2,4,5-Trichlorophenol	µg/L	100	112	39.8 - 143	Acceptable	EPA 8270D 3	11/7/2012	0.314	93.8	19.8	GHAFFARI_M
6840	2,4,6-Trichlorophenol	µg/L	141	154	49.2 - 191	Acceptable	EPA 8270D 3	11/7/2012	0.368	131	27.0	GHAFFARI_M



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WP Nitroaromatics & Nitramines (cat# 932)

9306	4-Amino-2,6-dinitrotoluene	µg/L		15.6	8.26 - 21.8	Not Reported				13.0	3.36	
9303	2-Amino-4,6-dinitrotoluene	µg/L		11.9	6.60 - 17.0	Not Reported				9.68	2.96	
6160	1,3-Dinitrobenzene	µg/L	14.0	16.6	7.95 - 23.8	Acceptable	EPA 8270D 3	11/7/2012	0.0161	13.9	3.30	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L		11.6	5.93 - 16.9	Not Reported				9.60	2.46	
6190	2,6-Dinitrotoluene	µg/L		12.6	6.30 - 18.3	Not Reported				10.2	2.42	
9522	HMX	µg/L		1.30	0.643 - 1.84	Not Reported				1.23	0.210	
5015	Nitrobenzene	µg/L		16.2	7.88 - 22.4	Not Reported				13.7	3.27	
9507	2-Nitrotoluene	µg/L		19.0	9.60 - 26.1	Not Reported				17.0	4.44	
9510	3-Nitrotoluene	µg/L		13.4	6.68 - 18.8	Not Reported				11.2	3.04	
9513	4-Nitrotoluene	µg/L		14.6	7.83 - 20.6	Not Reported				12.2	3.19	
9432	RDX	µg/L		5.00	2.61 - 6.72	Not Reported				4.54	0.989	
6415	Tetryl	µg/L		< 1.00	0.00 - 1.00	Not Reported						
6885	1,3,5-Trinitrobenzene	µg/L	7.05	9.72	3.97 - 13.3	Acceptable	EPA 8270D 3	11/7/2012	-0.0639	7.20	2.30	GHAFFARI_M
9651	2,4,6-Trinitrotoluene	µg/L		6.00	3.19 - 7.95	Not Reported				4.88	1.10	



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WP Low-Level PAHs (cat# 836)

5500	Acenaphthene	µg/L	7.42	9.26	3.13 - 11.2	Acceptable	EPA 8270D 3	11/7/2012	0.568	6.60	1.44	GHAFFARI_M
5505	Acenaphthylene	µg/L	3.54	5.15	2.13 - 6.04	Acceptable	EPA 8270D 3	11/7/2012	-0.227	3.75	0.938	GHAFFARI_M
5555	Anthracene	µg/L	4.40	3.60	1.07 - 4.84	Acceptable	EPA 8270D 3	11/7/2012	2.68	2.75	0.614	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	2.20	2.27	1.46 - 2.58	Acceptable	EPA 8270D 3	11/7/2012	1.21	1.82	0.313	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	2.96	3.02	1.44 - 3.64	Acceptable	EPA 8270D 3	11/7/2012	1.20	2.42	0.445	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	1.72	1.92	0.961 - 2.46	Acceptable	EPA 8270D 3	11/7/2012	0.589	1.52	0.335	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	3.46	3.74	1.08 - 4.81	Acceptable	EPA 8270D 3	11/7/2012	0.824	2.85	0.740	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	2.77	3.43	1.46 - 4.02	Acceptable	EPA 8270D 3	11/7/2012	0.488	2.46	0.634	GHAFFARI_M
5855	Chrysene	µg/L	3.48	3.88	2.17 - 4.75	Acceptable	EPA 8270D 3	11/7/2012	0.686	3.14	0.497	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	2.74	3.52	1.24 - 4.46	Acceptable	EPA 8270D 3	11/7/2012	0.122	2.65	0.721	GHAFFARI_M
6265	Fluoranthene	µg/L	2.66	2.42	1.28 - 2.90	Acceptable	EPA 8270D 3	11/7/2012	1.62	2.01	0.402	GHAFFARI_M
6270	Fluorene	µg/L	6.48	6.64	2.78 - 7.75	Acceptable	EPA 8270D 3	11/7/2012	1.21	4.95	1.26	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	3.44	4.06	1.72 - 5.08	Acceptable	EPA 8270D 3	11/7/2012	0.271	3.22	0.807	GHAFFARI_M
5005	Naphthalene	µg/L	5.52	5.40	1.76 - 6.30	Acceptable	EPA 8270D 3	11/7/2012	1.51	4.02	0.996	GHAFFARI_M
6615	Phenanthrene	µg/L	2.41	2.30	1.15 - 2.74	Acceptable	EPA 8270D 3	11/7/2012	1.61	1.79	0.386	GHAFFARI_M
6665	Pyrene	µg/L	2.50	2.92	1.59 - 3.44	Acceptable	EPA 8270D 3	11/7/2012	0.391	2.35	0.392	GHAFFARI_M



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WP Organochlorine Pesticides (cat# 831)

7025	Aldrin	µg/L	9.20	9.55	2.68 - 13.1	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.376	8.43	2.05	NAGAR_V
7110	alpha-BHC	µg/L	4.35	5.21	2.16 - 7.19	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.327	4.66	0.956	NAGAR_V
7115	beta-BHC	µg/L	11.7	12.6	5.28 - 16.9	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.256	11.2	1.93	NAGAR_V
7105	delta-BHC	µg/L	9.33	9.83	3.72 - 13.7	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.162	9.08	1.54	NAGAR_V
7120	gamma-BHC(Lindane)	µg/L	11.2	12.4	5.14 - 17.0	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.0114	11.2	2.16	NAGAR_V
7240	alpha-Chlordane	µg/L	6.89	7.15	3.22 - 9.62	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.210	6.66	1.09	NAGAR_V
7245	gamma-Chlordane	µg/L	2.55	2.83	1.21 - 3.94	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.301	2.69	0.474	NAGAR_V
7355	4,4'-DDD	µg/L	9.53	9.63	3.50 - 13.6	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.364	8.95	1.59	NAGAR_V
7360	4,4'-DDE	µg/L	5.92	6.65	2.95 - 8.61	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.0311	5.95	1.04	NAGAR_V
7365	4,4'-DDT	µg/L	2.10	1.94	0.731 - 2.90	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.515	1.93	0.326	NAGAR_V
7470	Dieldrin	µg/L	3.86	4.34	2.10 - 5.95	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.505	4.21	0.690	NAGAR_V
7540	Endrin	µg/L	7.53	8.12	2.90 - 12.1	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.0538	7.59	1.13	NAGAR_V
7530	Endrin aldehyde	µg/L	18.5	19.1	5.98 - 28.0	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.476	17.0	3.12	NAGAR_V
7535	Endrin ketone	µg/L	19.5	19.4	10.6 - 24.9	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.537	18.0	2.84	NAGAR_V
7510	Endosulfan I	µg/L	< 0.010	< 0.830	0.00 - 0.830	Acceptable	DEPSOP:GC-011-5	10/24/2012				NAGAR_V
7515	Endosulfan II	µg/L	< 0.010	< 1.40	0.00 - 1.40	Acceptable	DEPSOP:GC-011-5	10/24/2012				NAGAR_V
7520	Endosulfan sulfate	µg/L	6.80	7.41	2.78 - 10.8	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.284	7.13	1.15	NAGAR_V
7685	Heptachlor	µg/L	3.94	4.56	1.48 - 6.26	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.122	4.04	0.789	NAGAR_V
7690	Heptachlor epoxide (beta)	µg/L	3.21	3.49	1.69 - 4.93	Acceptable	DEPSOP:GC-011-5	10/24/2012	-0.234	3.33	0.519	NAGAR_V
7810	Methoxychlor	µg/L	5.05	4.16	1.01 - 6.78	Acceptable	DEPSOP:GC-011-5	10/24/2012	0.689	4.45	0.870	NAGAR_V



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WP Chlordane (cat# 837)

7250	Chlordane, technical	µg/L	8.60	9.30	3.49 - 13.5	Acceptable	DEPSOP:GC-011-5	10/25/2012	0.452	7.97	1.39	NAGAR_V
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WP Toxaphene (cat# 838)

8250	Toxaphene	µg/L	41.2	38.7	3.87 - 70.0	Acceptable	DEPSOP:GC-011-5	10/25/2012	0.429	37.7	8.10	NAGAR_V
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WP Organophosphorous Pesticides (OPP) (cat# 934)

7075	Azinphos-methyl (Guthion)	µg/L	10.5	10.6	1.27 - 18.2	Acceptable	DEPSOP:GC-012-3	10/24/2012	0.868	7.94	2.95	CARBONE_I
7220	Carbophenothion	µg/L		9.31	4.56 - 12.8	Not Reported				7.88	1.41	
7300	Chlorpyrifos	µg/L	13.4	13.1	4.73 - 17.3	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.47	9.74	2.49	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	3.62	3.82	1.46 - 5.88	Acceptable	DEPSOP:GC-012-3	10/24/2012	0.672	3.19	0.636	CARBONE_I
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7475	Dimethoate	µg/L		11.7	2.12 - 15.9	Not Reported				8.24	3.18	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8625	Disulfoton	µg/L	12.2	8.72	1.44 - 14.2	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.97	7.11	2.58	CARBONE_I
7565	Ethion	µg/L	7.08	7.52	3.55 - 11.6	Acceptable	DEPSOP:GC-012-3	10/24/2012	-0.414	8.04	2.31	CARBONE_I
7570	Ethoprop	µg/L	8.54	8.55	3.40 - 11.6	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.10	6.60	1.77	CARBONE_I
7955	Ethyl Parathion	µg/L	8.71	7.81	4.30 - 11.3	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.63	6.09	1.60	CARBONE_I
7580	Famphur	µg/L		6.00	2.82 - 8.08	Not Reported				6.36	1.92	
7640	Fonofos	µg/L	14.3	14.4	5.13 - 22.5	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.13	13.8	0.472	CARBONE_I
7770	Malathion	µg/L	4.46	4.92	0.720 - 8.00	Acceptable	DEPSOP:GC-012-3	10/24/2012	0.697	3.66	1.14	CARBONE_I
7825	Methyl Parathion	µg/L	2.02	2.31	0.846 - 3.10	Acceptable	DEPSOP:GC-012-3	10/24/2012	-0.308	2.31	0.936	CARBONE_I
7985	Phorate	µg/L	10.0	9.49	3.69 - 11.9	Acceptable	DEPSOP:GC-012-3	10/24/2012	0.950	8.00	2.10	CARBONE_I
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8110	Ronnel	µg/L		14.4	6.34 - 17.4	Not Reported				9.40	1.59	



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

8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8185	Terbufos	µg/L	15.4	13.6	3.66 - 17.9	Acceptable	DEPSOP:GC-012-3	10/24/2012	1.31	10.7	3.56	CARBONE_I



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