



A Waters Company

Thekkekalathil Chandrasekhar
State of Florida DEP Chemistry Laboratory
2600 Blair Stone Road
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Tallahassee, FL 32399-2400

WP-219



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 04/15/13

Close Date: 05/30/13

Report Issued Date: 06/18/13



A Waters Company

June 18, 2013

Thekkekalathil Chandrasekhar
State of Florida DEP Chemistry Laboratory
2600 Blair Stone Road
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Enclosed is your final report for ERA's WP-219 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-219 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.

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-219 WatR™ Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,

Kristina Sanchez
Quality Officer

attachments



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



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WP-219 Definitions & Study Discussion

Study Dates: 04/15/13 - 05/30/13

Report Issued: 06/18/13

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-219 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-219 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-219 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-219 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

There were no Not Acceptable evaluations for this study.



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

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Final Report Results For Laboratory State of Florida DEP Chemistry Laboratory

2009 TNI Evaluation Report

Study: **WP-219**

ERA Customer Number: **S744803**

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

Inorganic Results



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WP-219 2009 TNI Evaluation Final Complete Report

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WP Minerals (cat# 581)

1505	Alkalinity as CaCO3	mg/L	37.3	37.7	32.0 - 44.2	Acceptable	SM2320B online	5/7/2013	-0.0256	37.3	1.90	SIMMONS_D
1575	Chloride	mg/L	114	116	99.8 - 132	Acceptable	EPA 300.0 2.1	5/7/2013	0.276	113	4.18	DEARMAN_G
1610	Conductivity at 25°C	µmhos/cm	514	515	464 - 567	Acceptable	EPA 120.1	5/7/2013	-0.109	515	10.4	SIMMONS_D
1730	Fluoride	mg/L	1.33	1.29	1.01 - 1.57	Acceptable	SM4500F- C online	5/7/2013	1.11	1.22	0.0987	SIMMONS_D
1125	Potassium	mg/L	20.4	20.8	17.1 - 24.8	Acceptable	EPA 200.7 4.4	5/15/2013	0.268	20.1	1.23	AYRES_J
1155	Sodium	mg/L	88.4	92.0	78.1 - 105	Acceptable	EPA 200.7 4.4	5/13/2013	-0.0871	88.8	5.24	AYRES_J
2000	Sulfate	mg/L	21.8	22.2	17.4 - 26.4	Acceptable	EPA 300.0 2.1	5/7/2013	0.573	21.2	1.10	DEARMAN_G
1955	Total Dissolved Solids at 180°C	mg/L	290	301	226 - 376	Acceptable	SM2540C online	5/8/2013	-0.825	301	13.8	LI_Y
1950	Total Solids at 105°C	mg/L		322	281 - 359	Not Reported				310	13.8	

WP Hardness (cat# 580)

1960	Non-Filterable Residue (TSS)	mg/L	65.0	69.6	56.1 - 78.1	Acceptable	SM2540D online	5/8/2013	0.259	63.9	4.06	LI_Y
1035	Calcium	mg/L	30.6	29.8	26.4 - 34.0	Acceptable	EPA 200.7 4.4	5/13/2013	1.12	29.1	1.34	AYRES_J
1085	Magnesium	mg/L	8.61	8.30	7.04 - 9.50	Acceptable	EPA 200.7 4.4	5/13/2013	1.02	8.15	0.450	AYRES_J
1550	Calcium Hardness as CaCO3	mg/L		74.5	66.1 - 84.9	Not Reported				72.9	2.96	
1755	Total Hardness as CaCO3	mg/L	112	109	95.0 - 124	Acceptable	SM2340B online	5/13/2013	1.24	106	4.50	AYRES_J

WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L	10.0	10.1	7.48 - 12.6	Acceptable	EPA 350.1 2	5/8/2013	-0.0388	10.0	0.617	TURNER_D
1820	Nitrate + Nitrite as N	mg/L	4.36	4.37	3.56 - 5.09	Acceptable	EPA 353.2 2	5/7/2013	0.257	4.31	0.186	FEIZI_S
1810	Nitrate as N	mg/L	4.35	4.37	3.40 - 5.29	Acceptable	EPA 300.0 2.1	5/7/2013	0.233	4.30	0.200	DEARMAN_G
1870	ortho-Phosphate as P	mg/L	4.98	5.15	4.26 - 6.08	Acceptable	EPA 365.1 2	5/7/2013	-0.505	5.10	0.233	WERTH_B



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WP Simple Nutrients (cat# 584)

1515	Ammonia as N	mg/L		10.1	7.48 - 12.6	Not Reported				10.0	0.617	
1820	Nitrate + Nitrite as N	mg/L		4.37	3.56 - 5.09	Not Reported				4.31	0.186	
1810	Nitrate as N	mg/L	4.36	4.37	3.40 - 5.29	Acceptable	EPA 353.2 2	5/7/2013	0.283	4.30	0.200	STEINBOC_B
1870	ortho-Phosphate as P	mg/L		5.15	4.26 - 6.08	Not Reported				5.10	0.233	

WP Complex Nutrients (cat# 579)

1795	Total Kjeldahl Nitrogen	mg/L	11.7	10.7	7.12 - 13.9	Acceptable	EPA 351.2 2	5/10/2013	1.07	10.7	0.907	WERTH_B
1910	Total phosphorus as P	mg/L	2.57	2.30	1.85 - 2.80	Acceptable	EPA 365.1 2	5/8/2013	1.52	2.35	0.144	GADWAL_P

WP Nitrite (cat# 888)

1840	Nitrite as N	mg/L	3.34	3.28	2.79 - 3.77	Acceptable	EPA 353.2 2	5/7/2013	0.967	3.16	0.181	KAUS_P
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WP Demand (cat# 578)

1530	BOD	mg/L	34.0	38.3	19.1 - 57.5	Acceptable	SM5210B online	5/9/2013	-0.567	37.8	6.79	WOODS_J
1555	CBOD	mg/L	28.0	33.0	14.8 - 51.3	Acceptable	SM5210B online	5/9/2013	-1.02	35.0	6.83	WOODS_J
1565	COD	mg/L		61.7	43.1 - 75.3	Not Reported				60.7	5.25	
2040	TOC	mg/L	24.5	24.4	20.3 - 28.4	Acceptable	SM5310B online	5/9/2013	0.0982	24.4	1.13	JACKSON_R



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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	328	316	232 - 403	Acceptable	EPA 200.7 4.4	5/13/2013	-0.143	331	22.8	AYRES_J
1005	Antimony	µg/L	346	388	268 - 469	Acceptable	EPA 200.7 4.4	5/13/2013	-1.53	378	21.0	AYRES_J
1010	Arsenic	µg/L	549	564	473 - 660	Acceptable	EPA 200.7 4.4	5/13/2013	-0.0638	551	30.4	AYRES_J
1015	Barium	µg/L	1940	1900	1650 - 2140	Acceptable	EPA 200.7 4.4	5/13/2013	0.610	1890	77.7	AYRES_J
1020	Beryllium	µg/L	40.7	40.3	32.9 - 45.7	Acceptable	EPA 200.7 4.4	5/13/2013	0.456	39.7	2.26	AYRES_J
1025	Boron	µg/L	1440	1450	1180 - 1690	Acceptable	EPA 200.7 4.4	5/13/2013	-0.0182	1440	79.8	AYRES_J
1030	Cadmium	µg/L	592	608	519 - 690	Acceptable	EPA 200.7 4.4	5/13/2013	-0.206	597	24.5	AYRES_J
1040	Chromium	µg/L	367	358	311 - 406	Acceptable	EPA 200.7 4.4	5/13/2013	0.602	358	15.6	AYRES_J
1050	Cobalt	µg/L	456	424	372 - 476	Acceptable	EPA 200.7 4.4	5/13/2013	0.992	438	17.7	AYRES_J
1055	Copper	µg/L	186	183	164 - 203	Acceptable	EPA 200.7 4.4	5/13/2013	0.232	184	9.44	AYRES_J
1070	Iron	µg/L	1760	1610	1420 - 1810	Acceptable	EPA 200.7 4.4	5/13/2013	1.64	1630	79.2	AYRES_J
1075	Lead	µg/L	714	714	624 - 801	Acceptable	EPA 200.7 4.4	5/13/2013	-0.0425	715	32.9	AYRES_J
1090	Manganese	µg/L	1150	1110	998 - 1230	Acceptable	EPA 200.7 4.4	5/13/2013	0.497	1130	47.3	AYRES_J
1100	Molybdenum	µg/L	97.6	97.1	77.2 - 116	Acceptable	EPA 200.7 4.4	5/13/2013	0.245	96.6	4.28	AYRES_J
1105	Nickel	µg/L	1080	1050	945 - 1170	Acceptable	EPA 200.7 4.4	5/13/2013	0.772	1040	48.5	AYRES_J
1140	Selenium	µg/L	823	846	672 - 979	Acceptable	EPA 200.7 4.4	5/13/2013	-0.457	841	38.9	AYRES_J
1150	Silver	µg/L	87.8	93.4	79.6 - 107	Acceptable	EPA 200.7 4.4	5/13/2013	-1.17	93.3	4.72	AYRES_J
1160	Strontium	µg/L	259	250	218 - 283	Acceptable	EPA 200.7 4.4	5/13/2013	0.611	252	10.6	AYRES_J
1165	Thallium	µg/L	197	197	140 - 250	Acceptable	EPA 200.7 4.4	5/13/2013	0.133	195	12.7	AYRES_J
1185	Vanadium	µg/L	1680	1670	1460 - 1860	Acceptable	EPA 200.7 4.4	5/13/2013	0.373	1650	80.2	AYRES_J



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

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 ERA Customer Number: S744803
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 Study Dates: 04/15/13 - 05/30/13

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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	1670	1530	1320 - 1750	Acceptable	EPA 200.7 4.4	5/13/2013	2.05	1520	74.2	AYRES_J
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WP Trace Metals (cat# 586)

1000	Aluminum	µg/L	326	316	232 - 403	Acceptable	EPA 200.8 5.4	5/20/2013	-0.231	331	22.8	PETERSON_C
1005	Antimony	µg/L	348	388	268 - 469	Acceptable	EPA 200.8 5.4	5/13/2013	-1.44	378	21.0	PETERSON_C
1010	Arsenic	µg/L	537	564	473 - 660	Acceptable	EPA 200.8 5.4	5/20/2013	-0.458	551	30.4	PETERSON_C
1015	Barium	µg/L	1890	1900	1650 - 2140	Acceptable	EPA 200.8 5.4	5/21/2013	-0.0335	1890	77.7	PETERSON_C
1020	Beryllium	µg/L	36.9	40.3	32.9 - 45.7	Acceptable	EPA 200.8 5.4	5/14/2013	-1.23	39.7	2.26	PETERSON_C
1025	Boron	µg/L		1450	1180 - 1690	Not Reported				1440	79.8	
1030	Cadmium	µg/L	592	608	519 - 690	Acceptable	EPA 200.8 5.4	5/20/2013	-0.206	597	24.5	PETERSON_C
1040	Chromium	µg/L	355	358	311 - 406	Acceptable	EPA 200.8 5.4	5/21/2013	-0.165	358	15.6	PETERSON_C
1050	Cobalt	µg/L	441	424	372 - 476	Acceptable	EPA 200.8 5.4	5/21/2013	0.145	438	17.7	PETERSON_C
1055	Copper	µg/L	187	183	164 - 203	Acceptable	EPA 200.8 5.4	5/21/2013	0.338	184	9.44	PETERSON_C
1070	Iron	µg/L		1610	1420 - 1810	Not Reported				1630	79.2	
1075	Lead	µg/L	705	714	624 - 801	Acceptable	EPA 200.8 5.4	5/21/2013	-0.316	715	32.9	PETERSON_C
1090	Manganese	µg/L	1120	1110	998 - 1230	Acceptable	EPA 200.8 5.4	5/21/2013	-0.137	1130	47.3	PETERSON_C
1100	Molybdenum	µg/L	96.8	97.1	77.2 - 116	Acceptable	EPA 200.8 5.4	5/20/2013	0.0576	96.6	4.28	PETERSON_C
1105	Nickel	µg/L	1030	1050	945 - 1170	Acceptable	EPA 200.8 5.4	5/21/2013	-0.259	1040	48.5	PETERSON_C
1140	Selenium	µg/L	822	846	672 - 979	Acceptable	EPA 200.8 5.4	5/21/2013	-0.482	841	38.9	PETERSON_C
1150	Silver	µg/L	87.8	93.4	79.6 - 107	Acceptable	EPA 200.8 5.4	5/13/2013	-1.17	93.3	4.72	PETERSON_C
1160	Strontium	µg/L		250	218 - 283	Not Reported				252	10.6	
1165	Thallium	µg/L	198	197	140 - 250	Acceptable	EPA 200.8 5.4	5/21/2013	0.212	195	12.7	PETERSON_C
1185	Vanadium	µg/L		1670	1460 - 1860	Not Reported				1650	80.2	



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WP Trace Metals (cat# 586) (Continued)

1190	Zinc	µg/L	1510	1530	1320 - 1750	Acceptable	EPA 200.8 5.4	5/21/2013	-0.103	1520	74.2	PETERSON_C
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WP Mercury (cat# 574)

1095	Mercury	µg/L	10.6	10.8	6.65 - 14.6	Acceptable	EPA 245.1 3	5/14/2013	-0.0154	10.6	1.12	TOPOLSKI_B
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WP Low-Level Mercury (cat# 896)

1095	Low Level Mercury	ng/L	24.1	21.5	11.0 - 32.0	Acceptable	EPA 1631E	5/2/2013	0.803	21.9	2.70	TOPOLSKI_B
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WP Tin & Titanium (cat# 573)

1175	Tin	µg/L	1820	1710	1350 - 2070	Acceptable	EPA 200.7 4.4	5/15/2013	1.16	1700	104	AYRES_J
1180	Titanium	µg/L	175	172	147 - 194	Acceptable	EPA 200.7 4.4	5/13/2013	0.481	170	9.99	AYRES_J

WP Color (cat# 882)

1605	Color	PC units	58.6	60.0	43.5 - 71.4	Acceptable	SM2120B online	5/13/2013	0.0364	58.4	4.82	JACKSON_R
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WP Turbidity (cat# 893)

2055	Turbidity	NTU	6.11	6.26	4.88 - 7.61	Acceptable	EPA 180.1 2	5/13/2013	-0.414	6.26	0.360	FACH_B
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WP Total Cyanide (cat# 588)

1645	Cyanide, total	mg/L	0.651	0.612	0.373 - 0.852	Acceptable	EPA 335.4	5/15/2013	0.815	0.600	0.0627	BRYANT_V
1510	Amenable Cyanide	mg/L		0.298	0.209 - 0.387	Not Reported				0.326	0.0830	

WP Silica (cat# 890)

1990	Silica as SiO ₂	mg/L	89.5	83.8	62.8 - 105	Acceptable	EPA 200.7 4.4	4/23/2013	0.937	85.6	4.15	AYRES_J
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All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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2009 TNI Evaluation Report

Study: **WP-219**

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

Organic Results





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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	< 1.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	5/2/2013				BOOESHAG_F
4340	Acrylonitrile	µg/L	< 1.00	< 5.00	0.00 - 5.00	Acceptable	EPA 624 Appendix A 1982	5/2/2013				BOOESHAG_F
4375	Benzene	µg/L		< 4.60	0.00 - 4.60	Not Reported						
4395	Bromodichloromethane	µg/L		57.2	40.4 - 77.2	Not Reported				60.0	6.30	
4400	Bromoform	µg/L		< 5.60	0.00 - 5.60	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						
5000	tert-Butyl methyl ether (MTBE)	µg/L		105	71.1 - 143	Not Reported				112	16.3	
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L		45.3	25.0 - 62.0	Not Reported				43.7	5.43	
4475	Chlorobenzene	µg/L		35.8	25.8 - 45.1	Not Reported				35.9	2.96	
4575	Chlorodibromomethane	µg/L		43.4	29.5 - 57.6	Not Reported				43.6	4.52	
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		59.8	41.4 - 77.0	Not Reported				61.8	6.56	
4960	Chloromethane	µg/L		< 8.00	0.00 - 8.00	Not Reported						
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		19.8	13.2 - 26.2	Not Reported				19.6	2.18	
4615	1,3-Dichlorobenzene	µg/L		44.4	29.8 - 56.8	Not Reported				44.5	5.09	
4620	1,4-Dichlorobenzene	µg/L		< 4.90	0.00 - 4.90	Not Reported						
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L		50.5	32.0 - 69.2	Not Reported				52.4	5.87	
4635	1,2-Dichloroethane	µg/L		61.2	42.5 - 80.5	Not Reported				62.2	6.62	
4640	1,1-Dichloroethylene	µg/L		29.8	15.6 - 43.5	Not Reported				31.2	4.34	
4645	cis-1,2-Dichloroethylene	µg/L		26.3	17.9 - 35.2	Not Reported				25.8	3.19	
4700	trans-1,2-Dichloroethylene	µg/L		55.0	33.4 - 76.6	Not Reported				57.0	7.41	
4655	1,2-Dichloropropane	µg/L		63.0	41.2 - 83.2	Not Reported				64.4	7.15	
4680	cis-1,3-Dichloropropylene	µg/L		< 5.10	0.00 - 5.10	Not Reported						
4685	trans-1,3-Dichloropropylene	µg/L		< 3.90	0.00 - 3.90	Not Reported						
4765	Ethylbenzene	µg/L		< 5.80	0.00 - 5.80	Not Reported						
4835	Hexachlorobutadiene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4860	2-Hexanone	µg/L		118	57.8 - 177	Not Reported				116	19.8	
4975	Methylene chloride	µg/L		50.4	30.8 - 70.6	Not Reported				50.6	5.97	
4995	4-Methyl-2-pentanone (MIBK)	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						
5100	Styrene	µg/L		40.0	26.1 - 54.3	Not Reported				39.9	3.60	



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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		26.9	14.2 - 41.6	Not Reported				27.7	2.75	
5115	Tetrachloroethylene	µg/L		< 4.30	0.00 - 4.30	Not Reported						
5140	Toluene	µg/L		27.6	19.2 - 35.1	Not Reported				27.0	2.29	
5155	1,2,4-Trichlorobenzene	µg/L		29.9	11.3 - 40.8	Not Reported				28.2	4.98	
5160	1,1,1-Trichloroethane	µg/L		21.9	13.8 - 29.5	Not Reported				21.6	2.22	
5165	1,1,2-Trichloroethane	µg/L		36.3	25.3 - 47.9	Not Reported				36.4	3.47	
5170	Trichloroethylene	µg/L		50.8	32.2 - 66.6	Not Reported				50.4	4.75	
5175	Trichlorofluoromethane	µg/L		27.8	11.1 - 44.5	Not Reported				28.8	5.46	
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		24.8	9.92 - 39.7	Not Reported				26.2	5.43	
5260	Xylenes, total	µg/L		72.9	41.3 - 99.5	Not Reported				72.4	6.37	



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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	< 0.200	< 4.60	0.00 - 4.60	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4395	Bromodichloromethane	µg/L	59.5	57.2	40.4 - 77.2	Acceptable	EPA 8260C 2006	5/3/2013	-0.0832	60.0	6.30	BOOESHAG_F
4400	Bromoform	µg/L	< 0.500	< 5.60	0.00 - 5.60	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4950	Bromomethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4410	2-Butanone (MEK)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5000	tert-Butyl methyl ether (MTBE)	µg/L	112	105	71.1 - 143	Acceptable	EPA 8260C 2006	5/3/2013	0.0147	112	16.3	BOOESHAG_F
4450	Carbon disulfide	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4455	Carbon tetrachloride	µg/L	46.7	45.3	25.0 - 62.0	Acceptable	EPA 8260C 2006	5/3/2013	0.557	43.7	5.43	BOOESHAG_F
4475	Chlorobenzene	µg/L	36.9	35.8	25.8 - 45.1	Acceptable	EPA 8260C 2006	5/3/2013	0.328	35.9	2.96	BOOESHAG_F
4575	Chlorodibromomethane	µg/L	44.1	43.4	29.5 - 57.6	Acceptable	EPA 8260C 2006	5/3/2013	0.105	43.6	4.52	BOOESHAG_F
4485	Chloroethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4500	2-Chloroethylvinylether	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4505	Chloroform	µg/L	64.3	59.8	41.4 - 77.0	Acceptable	EPA 8260C 2006	5/3/2013	0.383	61.8	6.56	BOOESHAG_F
4960	Chloromethane	µg/L	< 0.500	< 8.00	0.00 - 8.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F





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WP Volatiles (cat# 830) (Continued)

4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L	< 0.00500	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4585	1,2-Dibromoethane (EDB)	µg/L	< 0.00500	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4595	Dibromomethane	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4610	1,2-Dichlorobenzene	µg/L	20.3	19.8	13.2 - 26.2	Acceptable	EPA 8260C 2006	5/3/2013	0.317	19.6	2.18	BOOESHAG_F
4615	1,3-Dichlorobenzene	µg/L	46.5	44.4	29.8 - 56.8	Acceptable	EPA 8260C 2006	5/3/2013	0.392	44.5	5.09	BOOESHAG_F
4620	1,4-Dichlorobenzene	µg/L	< 0.500	< 4.90	0.00 - 4.90	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4625	Dichlorodifluoromethane (Freon 12)	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4630	1,1-Dichloroethane	µg/L	53.3	50.5	32.0 - 69.2	Acceptable	EPA 8260C 2006	5/3/2013	0.151	52.4	5.87	BOOESHAG_F
4635	1,2-Dichloroethane	µg/L	63.5	61.2	42.5 - 80.5	Acceptable	EPA 8260C 2006	5/3/2013	0.191	62.2	6.62	BOOESHAG_F
4640	1,1-Dichloroethylene	µg/L	31.8	29.8	15.6 - 43.5	Acceptable	EPA 8260C 2006	5/7/2013	0.141	31.2	4.34	BOOESHAG_F
4645	cis-1,2-Dichloroethylene	µg/L	29.6	26.3	17.9 - 35.2	Acceptable	EPA 8260C 2006	5/3/2013	1.17	25.8	3.19	BOOESHAG_F
4700	trans-1,2-Dichloroethylene	µg/L	55.7	55.0	33.4 - 76.6	Acceptable	EPA 8260C 2006	5/3/2013	-0.175	57.0	7.41	BOOESHAG_F
4655	1,2-Dichloropropane	µg/L	67.6	63.0	41.2 - 83.2	Acceptable	EPA 8260C 2006	5/3/2013	0.444	64.4	7.15	BOOESHAG_F
4680	cis-1,3-Dichloropropylene	µg/L	< 0.500	< 5.10	0.00 - 5.10	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4685	trans-1,3-Dichloropropylene	µg/L	< 0.200	< 3.90	0.00 - 3.90	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4765	Ethylbenzene	µg/L	< 0.500	< 5.80	0.00 - 5.80	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
4835	Hexachlorobutadiene	µg/L		< 5.00	0.00 - 5.00	Not Reported						
4860	2-Hexanone	µg/L	58.0	118	57.8 - 177	Acceptable	EPA 8260C 2006	5/3/2013	-2.96	116	19.8	BOOESHAG_F
5005	Naphthalene	µg/L		< 6.30	0.00 - 6.30	Not Reported						



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WP Volatiles (cat# 830) (Continued)

4975	Methylene chloride	µg/L	52.6	50.4	30.8 - 70.6	Acceptable	EPA 8260C 2006	5/3/2013	0.327	50.6	5.97	BOOESHAG_F
4995	4-Methyl-2-pentanone (MIBK)	µg/L	< 5.00	< 4.30	0.00 - 4.30	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
5100	Styrene	µg/L	41.8	40.0	26.1 - 54.3	Acceptable	EPA 8260C 2006	5/3/2013	0.534	39.9	3.60	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	27.0	26.9	14.2 - 41.6	Acceptable	EPA 8260C 2006	5/3/2013	-0.244	27.7	2.75	BOOESHAG_F
5115	Tetrachloroethylene	µg/L	< 0.200	< 4.30	0.00 - 4.30	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
5140	Toluene	µg/L	30.1	27.6	19.2 - 35.1	Acceptable	EPA 8260C 2006	5/3/2013	1.35	27.0	2.29	BOOESHAG_F
5155	1,2,4-Trichlorobenzene	µg/L		29.9	11.3 - 40.8	Not Reported				28.2	4.98	
5160	1,1,1-Trichloroethane	µg/L	23.6	21.9	13.8 - 29.5	Acceptable	EPA 8260C 2006	5/3/2013	0.894	21.6	2.22	BOOESHAG_F
5165	1,1,2-Trichloroethane	µg/L	38.6	36.3	25.3 - 47.9	Acceptable	EPA 8260C 2006	5/3/2013	0.630	36.4	3.47	BOOESHAG_F
5170	Trichloroethylene	µg/L	42.3	50.8	32.2 - 66.6	Acceptable	EPA 8260C 2006	5/3/2013	-1.71	50.4	4.75	BOOESHAG_F
5175	Trichlorofluoromethane	µg/L	35.6	27.8	11.1 - 44.5	Acceptable	EPA 8260C 2006	5/3/2013	1.23	28.8	5.46	BOOESHAG_F
5180	1,2,3-Trichloropropane (TCP)	µg/L	< 0.00500	< 5.00	0.00 - 5.00	Acceptable	EPA 8260C 2006	5/3/2013				BOOESHAG_F
5225	Vinyl acetate	µg/L		< 5.00	0.00 - 5.00	Not Reported						
5235	Vinyl chloride	µg/L	31.1	24.8	9.92 - 39.7	Acceptable	EPA 8260C 2006	5/3/2013	0.895	26.2	5.43	BOOESHAG_F
5260	Xylenes, total	µg/L	75.0	72.9	41.3 - 99.5	Acceptable	EPA 8260C 2006	5/3/2013	0.400	72.4	6.37	BOOESHAG_F



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WP Chlorinated Acid Herbicides (cat# 829)

8505	Acifluorfen	µg/L		6.40	0.896 - 9.42	Not Reported				4.48	1.52	
8530	Bentazon	µg/L		7.48	0.748 - 13.6	Not Reported				5.85	1.43	
8540	Chloramben	µg/L		2.45	0.245 - 3.73	Not Reported				1.85	0.209	
8545	2,4-D	µg/L	4.68	5.89	0.589 - 9.58	Acceptable	DEPSOP:LC-001-2	4/25/2013	0.0564	4.62	1.02	REDDY_S
8560	2,4-DB	µg/L		8.76	0.876 - 14.9	Not Reported				7.01	1.65	
8550	Dacthal diacid (DCPA)	µg/L		6.19	0.781 - 8.83	Not Reported				4.37	2.72	
8555	Dalapon	µg/L		7.27	0.727 - 11.5	Not Reported				4.14	2.53	
8595	Dicamba	µg/L	4.64	4.92	0.492 - 7.24	Acceptable	DEPSOP:LC-001-2	4/25/2013	0.397	4.29	0.874	REDDY_S
8600	3,5-Dichlorobenzoic acid	µg/L		5.71	1.20 - 8.60	Not Reported				4.29	1.06	
8605	Dichlorprop	µg/L		9.33	1.60 - 14.0	Not Reported				6.95	1.66	
8620	Dinoseb	µg/L	3.22	2.81	0.281 - 4.24	Acceptable	DEPSOP:LC-001-2	4/25/2013	1.04	2.20	0.981	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		2.38	0.238 - 3.66	Not Reported				2.59	0.972	
6605	Pentachlorophenol	µg/L		5.24	0.675 - 7.91	Not Reported				4.04	1.70	
8645	Picloram	µg/L		9.66	0.966 - 15.6	Not Reported				7.01	2.12	
8655	2,4,5-T	µg/L	6.88	7.42	0.757 - 10.8	Acceptable	DEPSOP:LC-001-2	4/25/2013	0.366	6.27	1.67	REDDY_S
8650	2,4,5-TP (Silvex)	µg/L	3.98	3.78	0.404 - 5.66	Acceptable	DEPSOP:LC-001-2	4/25/2013	0.829	3.39	0.711	REDDY_S



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WP PCBs in Water (cat# 832S)

8880	Aroclor 1016	µg/L	< 0.100	< 1.40	0.00 - 1.40	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8885	Aroclor 1221	µg/L	< 0.100	< 0.130	0.00 - 0.130	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8890	Aroclor 1232	µg/L	< 0.100	< 0.610	0.00 - 0.610	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8895	Aroclor 1242	µg/L	< 0.100	< 1.40	0.00 - 1.40	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8900	Aroclor 1248	µg/L	< 0.100	< 0.600	0.00 - 0.600	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8905	Aroclor 1254	µg/L	< 0.100	< 0.640	0.00 - 0.640	Acceptable	EPA 8082A	4/24/2013				NAGAR_V
8910	Aroclor 1260	µg/L	3.46	3.83	2.01 - 5.02	Acceptable	EPA 8082A	4/24/2013	-0.0987	3.54	0.801	NAGAR_V

WP PCBs in Oil (cat# 835S)

8880	Aroclor 1016	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A	4/22/2013				NAGAR_V
8895	Aroclor 1242	mg/kg	< 0.100	< 1.70	0.00 - 1.70	Acceptable	EPA 8082A	4/22/2013				NAGAR_V
8905	Aroclor 1254	mg/kg	< 0.150	< 1.60	0.00 - 1.60	Acceptable	EPA 8082A	4/22/2013				NAGAR_V
8910	Aroclor 1260	mg/kg	12.5	15.8	3.04 - 22.8	Acceptable	EPA 8082A	4/22/2013	-0.272	13.5	3.81	NAGAR_V



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WP Base/Neutrals (cat# 833)

5500	Acenaphthene	µg/L	26.4	29.2	12.9 - 36.7	Acceptable	EPA 8270D 3 2007	4/23/2013	0.593	23.2	5.38	GHAFFARI_M
5505	Acenaphthylene	µg/L	24.1	26.4	9.67 - 33.9	Acceptable	EPA 8270D 3 2007	4/23/2013	0.642	21.1	4.66	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	109	107	45.0 - 133	Acceptable	EPA 8270D 3 2007	4/23/2013	1.26	92.4	13.2	GHAFFARI_M
5595	Benzidine	µg/L	< 100	< 20.0	0.00 - 20.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	20.6	20.6	8.84 - 26.9	Acceptable	EPA 8270D 3 2007	4/23/2013	1.05	18.0	2.44	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	22.6	24.6	7.71 - 34.9	Acceptable	EPA 8270D 3 2007	4/23/2013	0.596	20.2	4.11	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	< 0.200	< 5.00	0.00 - 5.00	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	< 0.200	< 2.90	0.00 - 2.90	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	24.4	25.3	7.96 - 34.7	Acceptable	EPA 8270D 3 2007	4/23/2013	0.819	21.1	4.05	GHAFFARI_M
5630	Benzyl alcohol	µg/L		< 10.0	0.00 - 10.0	Not Reported						
5660	4-Bromophenyl-phenylether	µg/L	101	95.4	31.3 - 128	Acceptable	EPA 8270D 3 2007	4/23/2013	1.26	83.6	13.8	GHAFFARI_M
5670	Butylbenzylphthalate	µg/L	88.1	80.6	12.5 - 118	Acceptable	EPA 8270D 3 2007	4/23/2013	1.36	72.2	11.6	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 2007	4/23/2013				GHAFFARI_M
5765	bis(2-Chloroethyl)ether	µg/L	< 1.00	< 4.80	0.00 - 4.80	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
5780	bis(2-Chloroisopropyl)ether	µg/L	29.9	37.6	11.2 - 49.4	Acceptable	EPA 8270D 3 2007	4/23/2013	0.116	29.0	8.03	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	78.0	89.4	27.2 - 108	Acceptable	EPA 8270D 3 2007	4/23/2013	0.888	63.8	16.0	GHAFFARI_M
5825	4-Chlorophenyl-phenylether	µg/L	186	177	65.9 - 218	Acceptable	EPA 8270D 3 2007	4/23/2013	1.53	147	25.2	GHAFFARI_M
5855	Chrysene	µg/L	31.8	29.3	12.5 - 40.9	Acceptable	EPA 8270D 3 2007	4/23/2013	1.46	26.3	3.76	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	25.6	25.1	6.43 - 37.7	Acceptable	EPA 8270D 3 2007	4/23/2013	0.908	22.2	3.68	GHAFFARI_M
5905	Dibenzofuran	µg/L	< 1.00	< 11.0	0.00 - 11.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
5925	Di-n-butylphthalate	µg/L	< 1.00	< 14.0	0.00 - 14.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
4610	1,2-Dichlorobenzene	µg/L		< 3.00	0.00 - 3.00	Not Reported						
4615	1,3-Dichlorobenzene	µg/L		32.5	4.78 - 40.5	Not Reported				18.7	7.25	
4620	1,4-Dichlorobenzene	µg/L		< 3.00	0.00 - 3.00	Not Reported						
5945	3,3'-Dichlorobenzidine	µg/L	< 40.0	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6070	Diethylphthalate	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6135	Dimethylphthalate	µg/L	< 1.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L	85.3	77.1	27.9 - 96.9	Acceptable	EPA 8270D 3 2007	4/23/2013	2.05	63.4	10.6	GHAFFARI_M
6190	2,6-Dinitrotoluene	µg/L	< 1.00	< 6.70	0.00 - 6.70	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6200	Di-n-octylphthalate	µg/L	67.0	68.4	17.8 - 103	Acceptable	EPA 8270D 3 2007	4/23/2013	0.995	56.8	10.2	GHAFFARI_M
6065	bis(2-Ethylhexyl)phthalate	µg/L	< 2.00	< 6.60	0.00 - 6.60	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6265	Fluoranthene	µg/L	72.0	69.6	31.4 - 85.8	Acceptable	EPA 8270D 3 2007	4/23/2013	1.45	60.2	8.12	GHAFFARI_M
6270	Fluorene	µg/L	68.0	67.2	27.9 - 82.5	Acceptable	EPA 8270D 3 2007	4/23/2013	1.16	56.5	9.88	GHAFFARI_M
6275	Hexachlorobenzene	µg/L	46.3	46.7	19.6 - 59.6	Acceptable	EPA 8270D 3 2007	4/23/2013	1.06	39.3	6.53	GHAFFARI_M
4835	Hexachlorobutadiene	µg/L	59.6	71.2	7.17 - 87.6	Acceptable	EPA 8270D 3 2007	4/23/2013	1.05	40.6	18.1	GHAFFARI_M



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6285	Hexachlorocyclopentadiene	µg/L	< 3.00	< 10.0	0.00 - 10.0	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
4840	Hexachloroethane	µg/L	88.6	120	12.6 - 141	Acceptable	EPA 8270D 3 2007	4/23/2013	0.711	66.5	31.0	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	33.4	33.7	5.60 - 48.2	Acceptable	EPA 8270D 3 2007	4/23/2013	1.09	28.3	4.68	GHAFFARI_M
6320	Isophorone	µg/L	37.8	42.3	17.4 - 55.7	Acceptable	EPA 8270D 3 2007	4/23/2013	0.615	34.1	5.94	GHAFFARI_M
6385	2-Methylnaphthalene	µg/L	27.2	32.1	4.01 - 45.7	Acceptable	EPA 8270D 3 2007	4/23/2013	0.486	23.9	6.76	GHAFFARI_M
5005	Naphthalene	µg/L	97.6	112	29.6 - 133	Acceptable	EPA 8270D 3 2007	4/23/2013	0.759	80.3	22.8	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	< 2.00	< 7.20	0.00 - 7.20	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6525	N-Nitrosodiethylamine	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6530	N-Nitrosodimethylamine	µg/L	48.2	94.7	9.47 - 113	Acceptable	EPA 8270D 3 2007	4/23/2013	0.0287	47.7	18.6	GHAFFARI_M
6535	N-Nitrosodiphenylamine	µg/L	< 3.00	< 6.40	0.00 - 6.40	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6545	N-Nitroso-di-n-propylamine	µg/L	< 2.00	< 4.80	0.00 - 4.80	Acceptable	EPA 8270D 3 2007	4/23/2013				GHAFFARI_M
6590	Pentachlorobenzene	µg/L		< 10.0	0.00 - 10.0	Not Reported						
6615	Phenanthrene	µg/L	52.0	51.3	24.9 - 64.2	Acceptable	EPA 8270D 3 2007	4/23/2013	1.23	43.8	6.63	GHAFFARI_M
6665	Pyrene	µg/L	81.7	76.4	25.2 - 105	Acceptable	EPA 8270D 3 2007	4/23/2013	1.31	67.5	10.9	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	46.9	55.6	11.0 - 69.0	Acceptable	EPA 8270D 3 2007	4/23/2013	0.820	36.8	12.4	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	34.0	37.2	13.1 - 48.0	Acceptable	EPA 8270D 3 2007	4/23/2013	0.409	31.8	5.32	GHAFFARI_M
5800	2-Chlorophenol	µg/L	76.0	92.2	27.2 - 116	Acceptable	EPA 8270D 3 2007	4/23/2013	0.407	69.6	15.6	GHAFFARI_M
6000	2,4-Dichlorophenol	µg/L	42.1	47.5	13.8 - 62.3	Acceptable	EPA 8270D 3 2007	4/23/2013	0.482	38.5	7.37	GHAFFARI_M
6005	2,6-Dichlorophenol	µg/L	108	123	38.3 - 154	Acceptable	EPA 8270D 3 2007	4/23/2013	0.267	103	20.1	GHAFFARI_M
6130	2,4-Dimethylphenol	µg/L	82.9	95.5	19.8 - 126	Acceptable	EPA 8270D 3 2007	4/23/2013	0.514	75.1	15.2	GHAFFARI_M
6360	4,6-Dinitro-2-methylphenol	µg/L	200	195	72.4 - 281	Acceptable	EPA 8270D 3 2007	5/10/2013	1.28	152	37.4	GHAFFARI_M
6175	2,4-Dinitrophenol	µg/L	86.0	110	11.0 - 157	Acceptable	EPA 8270D 3 2007	5/10/2013	0.317	79.4	20.8	GHAFFARI_M
6400	2-Methylphenol	µg/L	38.6	51.4	9.78 - 65.2	Acceptable	EPA 8270D 3 2007	4/23/2013	0.222	36.7	8.62	GHAFFARI_M
6410	4-Methylphenol	µg/L	49.8	65.5	6.55 - 86.8	Acceptable	EPA 8270D 3 2007	4/23/2013	0.307	45.9	12.8	GHAFFARI_M
6490	2-Nitrophenol	µg/L	55.2	57.5	17.6 - 72.1	Acceptable	EPA 8270D 3 2007	4/23/2013	0.893	46.8	9.38	GHAFFARI_M
6500	4-Nitrophenol	µg/L	58.5	125	12.5 - 169	Acceptable	EPA 8270D 3 2007	4/23/2013	0.0963	56.0	25.7	GHAFFARI_M
6605	Pentachlorophenol	µg/L	124	113	29.4 - 156	Acceptable	EPA 8270D 3 2007	4/23/2013	1.50	95.5	19.0	GHAFFARI_M
6625	Phenol	µg/L	40.5	114	11.4 - 154	Acceptable	EPA 8270D 3 2007	4/23/2013	-0.294	46.9	21.9	GHAFFARI_M
6735	2,3,4,6-Tetrachlorophenol	µg/L		76.4	26.6 - 101	Not Reported				64.6	11.6	
6835	2,4,5-Trichlorophenol	µg/L	111	111	39.5 - 142	Acceptable	EPA 8270D 3 2007	4/23/2013	1.04	92.1	18.1	GHAFFARI_M
6840	2,4,6-Trichlorophenol	µg/L	102	99.7	31.8 - 126	Acceptable	EPA 8270D 3 2007	4/23/2013	0.732	88.3	18.7	GHAFFARI_M



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WP Nitroaromatics & Nitramines (cat# 932)

9306	4-Amino-2,6-dinitrotoluene	µg/L		19.6	10.4 - 27.4	Not Reported				19.4	2.19	
9303	2-Amino-4,6-dinitrotoluene	µg/L		13.4	7.43 - 19.2	Not Reported				13.4	0.990	
6160	1,3-Dinitrobenzene	µg/L	19.7	19.4	9.29 - 27.8	Acceptable	EPA 8270D 3	4/23/2013	-0.45	20.2	1.22	GHAFFARI_M
6185	2,4-Dinitrotoluene	µg/L		14.4	7.36 - 21.0	Not Reported				14.3	1.98	
6190	2,6-Dinitrotoluene	µg/L		15.2	7.61 - 22.1	Not Reported				14.5	1.78	
9522	HMX	µg/L		8.96	4.43 - 12.7	Not Reported				8.69	0.955	
5015	Nitrobenzene	µg/L		4.04	1.96 - 5.58	Not Reported				3.92	0.375	
9507	2-Nitrotoluene	µg/L		17.8	9.00 - 24.4	Not Reported				18.3	1.22	
9510	3-Nitrotoluene	µg/L		12.7	6.33 - 17.9	Not Reported				12.7	0.987	
9513	4-Nitrotoluene	µg/L		17.3	9.28 - 24.4	Not Reported				17.2	1.29	
9432	RDX	µg/L		6.24	3.26 - 8.38	Not Reported				6.17	0.809	
6415	Tetryl	µg/L		< 1.00	0.00 - 1.00	Not Reported						
6885	1,3,5-Trinitrobenzene	µg/L	7.28	7.49	3.06 - 10.2	Acceptable	EPA 8270D 3	4/23/2013	0.660	6.73	0.832	GHAFFARI_M
9651	2,4,6-Trinitrotoluene	µg/L		18.8	10.0 - 24.9	Not Reported				17.4	0.973	



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WP Low-Level PAHs (cat# 836)

5500	Acenaphthene	µg/L	11.1	12.6	4.21 - 15.2	Acceptable	EPA 8270D 3 2007	4/23/2013	0.984	9.60	1.52	GHAFFARI_M
5505	Acenaphthylene	µg/L	8.59	9.91	4.25 - 11.4	Acceptable	EPA 8270D 3 2007	4/23/2013	0.648	7.72	1.34	GHAFFARI_M
5555	Anthracene	µg/L	3.52	3.97	1.18 - 5.33	Acceptable	EPA 8270D 3 2007	4/23/2013	0.514	3.25	0.517	GHAFFARI_M
5575	Benzo(a)anthracene	µg/L	0.650	0.658	0.310 - 0.829	Acceptable	EPA 8270D 3 2007	4/23/2013	0.892	0.570	0.0902	GHAFFARI_M
5585	Benzo(b)fluoranthene	µg/L	2.88	3.18	1.51 - 3.82	Acceptable	EPA 8270D 3 2007	4/23/2013	0.855	2.52	0.424	GHAFFARI_M
5600	Benzo(k)fluoranthene	µg/L	0.580	0.571	0.258 - 0.749	Acceptable	EPA 8270D 3 2007	4/23/2013	1.14	0.494	0.0754	GHAFFARI_M
5590	Benzo(g,h,i)perylene	µg/L	5.04	4.85	1.38 - 6.21	Acceptable	EPA 8270D 3 2007	4/23/2013	1.20	4.04	0.830	GHAFFARI_M
5580	Benzo(a)pyrene	µg/L	3.62	4.08	1.74 - 4.74	Acceptable	EPA 8270D 3 2007	4/23/2013	0.549	3.31	0.557	GHAFFARI_M
5855	Chrysene	µg/L	1.86	1.95	1.06 - 2.43	Acceptable	EPA 8270D 3 2007	4/23/2013	0.800	1.69	0.216	GHAFFARI_M
5895	Dibenz(a,h)anthracene	µg/L	2.66	2.51	0.858 - 3.24	Acceptable	EPA 8270D 3 2007	4/23/2013	1.06	2.05	0.579	GHAFFARI_M
6265	Fluoranthene	µg/L	3.02	3.06	1.63 - 3.66	Acceptable	EPA 8270D 3 2007	4/23/2013	1.04	2.59	0.409	GHAFFARI_M
6270	Fluorene	µg/L	7.98	8.45	3.58 - 9.80	Acceptable	EPA 8270D 3 2007	4/23/2013	0.953	6.85	1.18	GHAFFARI_M
6315	Indeno(1,2,3-cd)pyrene	µg/L	3.46	3.61	1.52 - 4.54	Acceptable	EPA 8270D 3 2007	4/23/2013	0.923	2.87	0.638	GHAFFARI_M
5005	Naphthalene	µg/L	2.12	2.53	0.749 - 3.13	Acceptable	EPA 8270D 3 2007	4/23/2013	0.460	1.92	0.441	GHAFFARI_M
6615	Phenanthrene	µg/L	1.42	1.50	0.745 - 1.80	Acceptable	EPA 8270D 3 2007	4/23/2013	0.647	1.29	0.197	GHAFFARI_M
6665	Pyrene	µg/L	1.58	1.67	0.917 - 2.00	Acceptable	EPA 8270D 3 2007	4/23/2013	0.542	1.46	0.224	GHAFFARI_M



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WP Organochlorine Pesticides (cat# 831)

7025	Aldrin	µg/L	6.82	7.56	2.13 - 10.4	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.0450	6.77	1.07	NAGAR_V
7110	alpha-BHC	µg/L	3.42	4.00	1.57 - 5.59	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.196	3.50	0.429	NAGAR_V
7115	beta-BHC	µg/L	4.54	5.47	2.25 - 7.52	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.775	5.02	0.624	NAGAR_V
7105	delta-BHC	µg/L	2.83	2.95	0.958 - 4.14	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.212	2.74	0.420	NAGAR_V
7120	gamma-BHC(Lindane)	µg/L	7.37	8.95	3.68 - 12.3	Acceptable	DEPSOP:GC-011-5	4/25/2013	-1.05	8.34	0.924	NAGAR_V
7240	alpha-Chlordane	µg/L	3.86	4.12	1.84 - 5.63	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.206	3.78	0.402	NAGAR_V
7245	gamma-Chlordane	µg/L	3.40	3.84	1.61 - 5.28	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.042	3.42	0.495	NAGAR_V
7355	4,4'-DDD	µg/L	2.84	2.77	1.09 - 4.08	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.851	2.58	0.301	NAGAR_V
7360	4,4'-DDE	µg/L	3.98	4.17	1.83 - 5.48	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.251	3.82	0.651	NAGAR_V
7365	4,4'-DDT	µg/L	2.62	2.45	0.921 - 3.60	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.493	2.38	0.484	NAGAR_V
7470	Dieldrin	µg/L	5.94	6.73	3.29 - 9.17	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.441	6.23	0.662	NAGAR_V
7540	Endrin	µg/L	4.34	4.29	1.62 - 6.49	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.314	4.18	0.501	NAGAR_V
7530	Endrin aldehyde	µg/L	13.3	14.0	4.27 - 20.8	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.443	12.1	2.77	NAGAR_V
7535	Endrin ketone	µg/L	4.17	4.48	2.28 - 6.48	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.0494	4.19	0.485	NAGAR_V
7510	Endosulfan I	µg/L	< 0.0100	< 0.830	0.00 - 0.830	Acceptable	DEPSOP:GC-011-5	4/25/2013				NAGAR_V
7515	Endosulfan II	µg/L	< 0.0100	< 1.40	0.00 - 1.40	Acceptable	DEPSOP:GC-011-5	4/25/2013				NAGAR_V
7520	Endosulfan sulfate	µg/L	12.9	13.3	5.04 - 19.4	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.207	12.5	1.78	NAGAR_V
7685	Heptachlor	µg/L	7.24	8.34	2.70 - 11.4	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.324	7.61	1.14	NAGAR_V
7690	Heptachlor epoxide (beta)	µg/L	4.28	4.65	2.29 - 6.53	Acceptable	DEPSOP:GC-011-5	4/25/2013	-0.0836	4.32	0.510	NAGAR_V
7810	Methoxychlor	µg/L	7.28	7.47	1.95 - 11.9	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.137	7.09	1.40	NAGAR_V



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WP Chlordane (cat# 837)

7250	Chlordane, technical	µg/L	3.35	3.33	1.24 - 4.86	Acceptable	DEPSOP:GC-011-5	4/25/2013	0.760	2.95	0.528	NAGAR_V
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WP Toxaphene (cat# 838)

8250	Toxaphene	µg/L	40.5	36.5	3.65 - 66.0	Acceptable	DEPSOP:GC-011-5	4/26/2013	0.805	37.1	4.26	NAGAR_V
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WP Organophosphorous Pesticides (OPP) (cat# 934)

7075	Azinphos-methyl (Guthion)	µg/L	10.3	12.5	1.76 - 21.2	Acceptable	DEPSOP:GC-012-3	4/24/2013	-0.17	10.7	2.21	CARBONE_I
7220	Carbophenothion	µg/L		10.4	5.10 - 14.3	Not Reported				7.98	2.06	
7300	Chlorpyrifos	µg/L	10.5	10.8	3.90 - 14.2	Acceptable	DEPSOP:GC-012-3	4/24/2013	0.667	9.14	2.04	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	5.61	4.68	1.77 - 7.12	Acceptable	DEPSOP:GC-012-3	4/24/2013	2.45	4.49	0.456	CARBONE_I
8610	Dichlorvos (DDVP)	µg/L		< 2.00	0.00 - 2.00	Not Reported						
7475	Dimethoate	µg/L		7.99	1.45 - 10.8	Not Reported				6.59	1.77	
7495	Dioxathion	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8625	Disulfoton	µg/L	13.6	9.80	1.62 - 16.0	Acceptable	DEPSOP:GC-012-3	4/24/2013	1.63	9.35	2.61	CARBONE_I
7565	Ethion	µg/L	17.6	18.5	8.74 - 28.4	Acceptable	DEPSOP:GC-012-3	4/24/2013	0.883	14.7	3.32	CARBONE_I
7570	Ethoprop	µg/L	6.86	6.65	2.64 - 9.05	Acceptable	DEPSOP:GC-012-3	4/24/2013	1.62	5.94	0.569	CARBONE_I
7955	Ethyl Parathion	µg/L	8.85	7.70	4.24 - 11.2	Acceptable	DEPSOP:GC-012-3	4/24/2013	1.10	7.25	1.46	CARBONE_I
7580	Famphur	µg/L		3.73	1.75 - 5.02	Not Reported				3.08	0.806	
7640	Fonofos	µg/L	6.17	5.16	1.84 - 8.05	Acceptable	DEPSOP:GC-012-3	4/24/2013	0.872	4.95	1.40	CARBONE_I
7770	Malathion	µg/L	6.86	6.89	1.26 - 11.0	Acceptable	DEPSOP:GC-012-3	4/24/2013	0.291	6.25	2.10	CARBONE_I
7825	Methyl Parathion	µg/L	15.1	15.7	5.75 - 21.1	Acceptable	DEPSOP:GC-012-3	4/24/2013	1.33	12.6	1.86	CARBONE_I
7985	Phorate	µg/L	15.6	14.0	5.44 - 17.6	Acceptable	DEPSOP:GC-012-3	4/24/2013	1.21	12.5	2.55	CARBONE_I
8000	Phosmet	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8110	Ronnel	µg/L		8.53	3.75 - 10.3	Not Reported				7.55	0.958	



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

8200	Stirophos	µg/L		< 2.00	0.00 - 2.00	Not Reported						
8185	Terbufos	µg/L	4.27	3.58	0.962 - 4.70	Acceptable	DEPSOP:GC-012-3	4/24/2013	0.821	3.10	1.42	CARBONE_I

