



9399 West Higgins Road Suite 1100
Rosemont, IL 60018

Phone: 847 430 1219
Fax: 847 430 2219

IBWA STANDARD OF QUALITY REPORT

Customer Name: Culligan of Beaumont
Customer Address: 850 McFaddin Ave
Beaumont, TX 77701

Page 1 of 13

Sample Date: 5/17/2018
Sample Description: Purified
Date Reviewed: 6/25/2018

Sample I.D. 1805589
Report Date 6/25/2018

Inorganic Chemicals (IOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7440-36-0	Antimony	ND	6.00	2.00	ug/L	200.8 R5.4
7440-39-3	Barium	ND	1,000.00	10.00	ug/L	200.7 R4.4
7940-41-7	Beryllium	ND	4.00	0.10	ug/L	200.8 R5.4
	Bromate (BrO3)	ND	10.00	2.50	ug/L	321.8 Rev. 1
7440-43-9	Cadmium (Cd)	ND	5.00	0.10	ug/L	200.8 R5.4
	Chloramine	ND	4.00	0.02	mg/L	330.5
	Chlorine Dioxide	0.01	0.80		mg/L	STND 4500
	Chlorine, Free	0.01	0.10		mg/L	330.5
	Chlorine, Total	0.02	0.10		mg/L	330.5
7440-47-3	Chromium	ND	50.00	0.50	ug/L	200.8 R5.4
16984-48-8	Fluoride	ND	3.00	0.20	mg/L	300.0 R2.1
7439-92-1	Lead (Pb)	ND	1.00	1.00	ug/L	200.8 R5.4
7439-97-6	Mercury (Hg)	ND	1.00	0.20	ug/L	245.1 Rev. 3
7440-02-0	Nickel (Ni)	ND	100.00	10.00	ug/L	200.7 R4.4
	Perchlorate	ND	2.00	0.20	ug/L	314.0
7782-49-2	Selenium (Se)	ND	10.00	2.00	ug/L	200.8 R5.4
7440-28-0	Thallium (Tl)	ND	2.00	1.00	ug/L	200.8 R5.4
7440-38-2	Total Arsenic	ND	10.00	1.00	ug/L	200.8 R5.4
	Total Chlorine	0.02			mg/L	330.5

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MRL - Method Reporting Limit.

NELAP Certifications: IL-100213; PA-68-04623; NY-11756; TX-TX269-2007A

State Certifications: IL-IDPH-17598; CA-2958; MT-CERT0091; IA-369; VT-VT02199; WI-399016200;
CO-IL100213; MI-9988

Maria Mozdzen
Analytical Lab Manager

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Secondary Inorganic Parameters

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7429-90-5	Aluminum	16.92	200.00	2.00	ug/L	200.8 R5.4
	Chloride	1.26	250.00	0.50	mg/L	300.0 R2.1
7440-50-8	Copper (Cu)	ND	1.00	0.02	mg/L	200.7 R4.4
	Est TDS By Conductivity	17.62	500.00		mg/L	
7439-89-6	Iron (Fe)	ND		0.05	mg/L	200.7 R4.4
7439-96-5	Manganese (Mn)	ND	0.05	0.02	mg/L	200.7 R4.4
7440-22-4	Silver (Ag)	ND	25.00	0.10	ug/L	200.8 R5.4
14808-79-8	Sulfate	3.92	250.00	3.00	mg/L	300.0 R2.1
7440-66-6	Zinc (Zn)	ND	5.00	0.05	mg/L	200.7 R4.4

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Additional Regulated Contaminants

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7440-61-1	Uranium (U)	ND	30.00	2.00	ug/L	200.8 R5.4

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Water Properties

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
	Color	ND	5.00	5.00	color	SM2120C, 21Ed
	Color after Acidification	NM	5.00	5.00	color	SM2120C,21Ed
	Conductivity	28.00			microS/cm	120.1
	pH	6.87	8.50			150.1
	Turbidity	0.28	0.50		NTU	180.1 Rev. 2 1993
	Turbidity Filtered	NM	0.50		NTU	180.1 Rev. 2 1993

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Hardness						
CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7440-70-2	Calcium	ND		0.10	mg/L	200.7 R4.4
	Hardness (CaCO3)	0.22			mg/L	200.7 R4.4
7439-95-4	Magnesium	ND		0.10	mg/L	200.7 R4.4
7440-23-5	Sodium	4.61		0.10	mg/L	200.7 R4.4

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Uncategorized						
CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
	Bicarbonate	8.54			mg/L	SM2320B, 18Ed
	Bromide (Br)	ND		10.00	ug/L	321.8 Rev. 1
	Carbonate	NM			mg/L	SM2320B, 18Ed
	Contract Lab	See Attached Report				
7440-09-7	Potassium	1.88		0.10	mg/L	200.7 R4.4
7631-86-9	Silica	0.82		0.01	mg/L	200.7 R4.4
7440-24-6	Strontium (Sr)	ND		0.05	mg/L	200.7 R4.4
	Tannins	ND		2.00	mg/L	SM 5550

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1805589

Control Number:

ANALYSIS REQUEST FORM
Pace Analytical
Attn: Sample Receiving
8 East Tower Circle
Ormond Beach, FL 32174

IBWA ANNUAL TESTING - FOR CULLIGAN INTERNATIONAL

SAMPLE SUBMITTED BY:

Account Number: 42065
Account Name: Beaumont, Texas

CULLIGAN BWP INFORMATION:

Dealership Location/Name: Culligan of Beaumont
Address: 850 McFaddin Avenue
City: Beaumont State: TX Zip: 77701

Phone Number: 409-838-6261
FAX Number: 409-838-6263
E-MAIL: Jake @ SETX Water . com
Person Taking Sample: Jake Smith
Date Sample Taken: 5/17/18 Time Sample Taken: 8:00 am

SAMPLE INFORMATION (check the appropriate boxes):

Water Supply: Private Municipal
Source: Surface Well Unknown
Condition: Treated Untreated Cloudy
Colored

Water Type: Premium Fluoridated DI Purified
Demineralized Spring RO Distilled
Remineralized Source

For Questions contact Maria Mozdzen at (847) 430-1219

LAB USE ONLY:

Sample received in acceptable condition: Yes _____ No _____
Received by: _____ Date: _____ Time: _____
If not, reason: _____
Disposition of sample: _____

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IBWA STANDARD OF QUALITY REPORT



Sample Results

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386) 672-5668

Client: Culligan International

Client ID: 1805589

Project ID: 1805589

Lab ID: 35393670001

Received: 05/22/2018 18:20

Pace Project No.: 35393670

Collected: 05/22/2018 18:20

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
504.1 GCS EDB and DBCP							
		Analytical Method: EPA 504.1		Preparation Method: EPA 504.1			
1,2-Dibromo-3-chloropropane	0.0064	<0.0064	ug/L	0.2	Below	0.2	Below
1,2-Dibromoethane (EDB)	0.0075	<0.0075	ug/L	0.05	Below	0.05	Below
515.3 Chlorinated Herbicides							
		Analytical Method: EPA 515.3		Preparation Method: EPA 515.3			
2,4-D	0.081	<0.081	ug/L	70	Below	70	Below
Dalapon	0.89	<0.89	ug/L	200	Below	200	Below
Dinoseb	0.16	<0.16	ug/L	7	Below	7	Below
Pentachlorophenol	0.030	<0.030	ug/L	1	Below	1	Below
Picloram	0.094	<0.094	ug/L	500	Below	500	Below
2,4,5-TP (Silvex)	0.16	<0.16	ug/L	50	Below	10	Below
547 HPLC Glyphosate							
		Analytical Method: EPA 547					
Glyphosate	4.2	<4.2	ug/L	700	Below	700	Below
549.2 HPLC Paraquat Diquat							
		Analytical Method: EPA 549.2		Preparation Method: EPA 549.2			
Diquat	0.30	<0.30	ug/L	20	Below	20	Below
552.3 Haloacetic Acids							
		Analytical Method: EPA 552.3		Preparation Method: EPA 552.3			
Dibromoacetic Acid	0.43	<0.43	ug/L				
Dichloroacetic Acid	0.24	<0.24	ug/L				
Haloacetic Acids (Total)	0.67	<0.67	ug/L	60	Below	60	Below
Monobromoacetic Acid	0.29	<0.29	ug/L				
Monochloroacetic Acid	0.90	<0.90	ug/L				
Trichloroacetic Acid	0.26	<0.26	ug/L				
524.2 MSV							
		Analytical Method: EPA 524.2					
Benzene	0.25	<0.25	ug/L	5	Below	1	Below
Bromodichloromethane	0.25	<0.25	ug/L				
Bromoform	0.32	<0.32	ug/L				
Carbon tetrachloride	0.25	<0.25	ug/L	5	Below	5	Below
Chlorobenzene	0.25	<0.25	ug/L	100	Below	50	Below
Chloroform	0.25	<0.25	ug/L				
Dibromochloromethane	0.25	<0.25	ug/L				
1,2-Dichlorobenzene	0.25	<0.25	ug/L	600	Below	600	Below
1,4-Dichlorobenzene	0.25	<0.25	ug/L	75	Below	75	Below
1,2-Dichloroethane	0.25	<0.25	ug/L	5	Below	2	Below
1,1-Dichloroethene	0.25	<0.25	ug/L	7	Below	2	Below
cis-1,2-Dichloroethene	0.25	<0.25	ug/L	70	Below	70	Below
trans-1,2-Dichloroethene	0.25	<0.25	ug/L	100	Below	100	Below
1,2-Dichloropropane	0.25	<0.25	ug/L	5	Below	5	Below
Ethylbenzene	0.25	<0.25	ug/L	700	Below	700	Below
Methylene Chloride	0.44	<0.44	ug/L	5	Below	3	Below
Methyl-tert-butyl ether	0.25	<0.25	ug/L			70	Below
Naphthalene	0.25	<0.25	ug/L			300	Below
Styrene	0.25	<0.25	ug/L	100	Below	100	Below
1,1,2,2-Tetrachloroethane	0.25	<0.25	ug/L			1	Below
Tetrachloroethene	0.25	<0.25	ug/L	5	Below	1	Below
Toluene	0.25	<0.25	ug/L	1000	Below	1000	Below
Total Trihalomethanes (Calc.)	0.32	<0.32	ug/L	80	Below	10	Below
1,2,4-Trichlorobenzene	0.41	<0.41	ug/L	70	Below	9	Below
1,1,1-Trichloroethane	0.25	<0.25	ug/L	200	Below	30	Below

06/22/2018 14:27:57

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IBWA STANDARD OF QUALITY REPORT



Sample Results

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386) 672-5668

Client: Culligan International

Client ID: 1805589

Project ID: 1805589

Lab ID: 35393670001

Received: 05/22/2018 18:20

Pace Project No.: 35393670

Collected: 05/22/2018 18:20

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
524.2 MSV							
Analytical Method: EPA 524.2							
1,1,2-Trichloroethane	0.25	<0.25	ug/L	5	Below	3	Below
Trichloroethene	0.25	<0.25	ug/L	5	Below	1	Below
Vinyl chloride	0.39	<0.39	ug/L	2	Below	2	Below
Xylene (Total)	0.25	<0.25	ug/L	10000	Below	1000	Below
900.0 Gross Alpha/Beta							
Analytical Method: EPA 900.0							
Gross Alpha	1.82	1.82U	pCi/L	15	Below	15	Below
Gross Beta	1.78	1.78U	pCi/L	50	Below	50	Below
903.1 Radium 226							
Analytical Method: EPA 903.1							
Radium-226	0.797	0.797U	pCi/L				
904.0 Radium 228							
Analytical Method: EPA 904.0							
Radium-228	0.781	0.781U	pCi/L				
300.1 Oxihalide IC Anions 14d							
Analytical Method: EPA 300.1							
Chlorite	1.3	<1.3	ug/L	1000	Below	1000	Below
335.4 Cyanide, Total							
Analytical Method: EPA 335.4 Preparation Method: EPA 335.4							
Cyanide	0.0050	<0.0050	mg/L	0.1	Below	0.1	Below
353.2 Nitrogen, NO2/NO3 unpres							
Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	0.025	0.034J	mg/L	10	Below	10	Below
Nitrogen, Nitrate	0.025	0.034J	mg/L				
Nitrogen, Nitrite	0.025	<0.025	mg/L				
420.4 Phenolics, Total Low Lvl							
Analytical Method: EPA 420.4							
Phenolics, Total Recoverable LL	0.00060	<0.00060	mg/L	0.001	Below	0.001	Below

06/22/2018 14:27:57

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Definitions/Qualifiers

Pace Analytical Services, Inc.
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Ormond Beach, FL 32174
(386) 672-5668

Pace Project No.: 35393670

DEFINITIONS

- DF Dilution Factor
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- U Indicates the compound was analyzed for, but not detected.
- MDL Adjusted Method Detection Limit
- PQL Practical Quantitation Limit
- ND Not Detected at or above adjusted reporting limit.

ANALYTE QUALIFIERS

- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Client Sample Results

Client: Pace Analytical Services, LLC
Project/Site: 35393670

TestAmerica Job ID: 680-152955-1

Client Sample ID: 1805589
Date Collected: 05/22/18 18:20
Date Received: 05/24/18 09:00

Lab Sample ID: 680-152955-1
Matrix: Drinking Water

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alachlor	0.000032	U	0.00020	0.000032	mg/L		06/01/18 06:30	06/04/18 14:23	1
Atrazine	0.000022	U	0.00020	0.000022	mg/L		06/01/18 06:30	06/04/18 14:23	1
Benzo[a]pyrene	0.000028	U	0.00020	0.000028	mg/L		06/01/18 06:30	06/04/18 14:23	1
Bis(2-ethylhexyl) phthalate	0.00059	U	0.0020	0.00059	mg/L		06/01/18 06:30	06/04/18 14:23	1
Di(2-ethylhexyl)adipate	0.00059	U	0.0015	0.00059	mg/L		06/01/18 06:30	06/04/18 14:23	1
Endrin	0.000071	U	0.00049	0.000071	mg/L		06/01/18 06:30	06/04/18 14:23	1
gamma-BHC (Lindane)	0.000080	U	0.00020	0.000080	mg/L		06/01/18 06:30	06/04/18 14:23	1
Heptachlor	0.000053	U	0.00020	0.000053	mg/L		06/01/18 06:30	06/04/18 14:23	1
Heptachlor epoxide	0.00018	U	0.00039	0.00018	mg/L		06/01/18 06:30	06/04/18 14:23	1
Hexachlorobenzene	0.000040	U	0.00020	0.000040	mg/L		06/01/18 06:30	06/04/18 14:23	1
Hexachlorocyclopentadiene	0.000041	U	0.0020	0.000041	mg/L		06/01/18 06:30	06/04/18 14:23	1
Methoxychlor	0.000042	U	0.00049	0.000042	mg/L		06/01/18 06:30	06/04/18 14:23	1
Simazine	0.000034	U	0.00049	0.000034	mg/L		06/01/18 06:30	06/04/18 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	06/01/18 06:30	06/04/18 14:23	1
Perylene-d12	84		70 - 130	06/01/18 06:30	06/04/18 14:23	1
Triphenylphosphate	100		70 - 130	06/01/18 06:30	06/04/18 14:23	1

Method: 548.1 - Endothall (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endothall	6.3	U	10	6.3	ug/L		05/29/18 07:08	05/31/18 15:45	1

Method: 508 - Chlorinated Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000016	U	0.00024	0.000016	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1016	0.000069	U	0.00048	0.000069	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1221	0.00012	U	0.00048	0.00012	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1232	0.000071	U	0.00048	0.000071	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1242	0.000063	U	0.00048	0.000063	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1248	0.000044	U	0.00048	0.000044	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1254	0.000096	U	0.00048	0.000096	mg/L		05/25/18 09:22	05/30/18 03:12	1
PCB-1260	0.000082	U	0.00048	0.000082	mg/L		05/25/18 09:22	05/30/18 03:12	1
Toxaphene	0.000056	U	0.0024	0.000056	mg/L		05/25/18 09:22	05/30/18 03:12	1
Polychlorinated biphenyls, Total	0.000044	U	0.00048	0.000044	mg/L		05/25/18 09:22	05/30/18 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	8	X	70 - 130	05/25/18 09:22	05/30/18 03:12	1

TestAmerica Savannah

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PaceAnalyticalServices,LLC.
1700ElmStreet-Suite200
Minneapolis,MN,55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel:12-607-1700
Fax:12-607-6444

Sample ID.....1805589
Client..... PASI Florida
Lab Sample ID..... 35393670001
Date Collected.....05/22/2018
Date Received.....05/24/2018
Date Extracted.....05/30/2018

	Sample 1805589	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
EDL	1.3 pg/L	1.5 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	111%	115%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			3.2%	
IS Recovery	61%	77%	66%	59%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	74%	92%	79%	73%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	Y180531B_20	Y180531A_17	Y180531A_15	Y180531A_16
Analysis Date	06/01/2018	05/31/2018	05/31/2018	05/31/2018
Analysis Time	04:01	15:04	14:23	14:44
Analyst	SMT	SMT	SMT	SMT
Volume	1.020L	0.954L	0.956L	0.976L
Dilution	NA	NA	NA	NA
ICAL Date	11/12/2017	11/12/2017	11/12/2017	11/12/2017
CCAL Filename	Y180531B_02	Y180531A_03	Y180531A_03	Y180531A_03

! = Outside the Control Limits
 ND = Not Detected
 EDL = Estimated Detection Limit
 Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
 RPD = Relative Percent Difference of Lab Spike Recoveries
 IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
 CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: 

Project No.....10432752

Report No.....10432752_1613DW_DFR

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N.D. - Indicates that the compound was not detected above the Lab's Reporting Limit - MRL
 N.M. - Indicates that the compound was not measured.
 SOQ - Standard of Quality, maximum permissible level of a contaminant in water established by EPA, NPDR or IBWA.
 MRL - Method Reporting Limit.

NELAP Certifications: IL-100213; PA-68-04623; NY-11756; TX-TX269-2007A
 State Certifications: IL-IDPH-17598; CA-2958; MT-CERT0091; IA-369; VT-VT02199; WI-399016200;
 CO-IL100213; MI-9988

Maria Mozden
Analytical Lab Manager

IBWA STANDARD OF QUALITY REPORT

Client Sample Results

Client: Pace Analytical Services, LLC
 Project/Site: 35393670 / 1805589

TestAmerica Job ID: 680-153917-1

Client Sample ID: 1805589
 Date Collected: 05/22/18 18:20
 Date Received: 06/14/18 09:00

Lab Sample ID: 680-153917-1
 Matrix: Drinking Water

Method: 531.1 - Carbamate Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldicarb	0.50	U	2.5	0.50	ug/L			06/16/18 01:08	1
Aldicarb sulfone	0.25	U	2.5	0.25	ug/L			06/16/18 01:08	1
Aldicarb sulfoxide	0.25	U	2.5	0.25	ug/L			06/16/18 01:08	1
Carbofuran	0.25	U	2.5	0.25	ug/L			06/16/18 01:08	1
Oxamyl	0.37	U	2.5	0.37	ug/L			06/16/18 01:08	1

TestAmerica Savannah

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 CO-IL100213; MI-9988

Maria Mozden
 Analytical Lab Manager