



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 Santa Maria
Customer Address: 700 West Cook Street
Santa Maria, CA 934585514

Page 1 of 15

Sample Date: 3/24/2021
Sample Description: DI
Date Reviewed: 4/20/2021

Sample I.D. 2103515
Report Date 4/20/2021

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	300.1
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	0.00	0.80		mg/L	STND 4500
	Chlorine, Free	0.00	0.10		mg/L	330.5
	Chlorine, Total	0.00	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
	Free Chlorine	0.00			mg/L	330.5
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	2.00	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	0.00			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	ND	200.00	2.00	ug/L	200.8 R5.4
	Chloride	ND	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	1.08	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	ND	250.00	0.85	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	1.70			microS/cm	120.1
	pH	5.68	8.50			150.1
	Turbidity	0.17	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)	ND		0.70	mg/L	200.7 R4.4
7439-95-4	Magnesium	ND		0.10	mg/L	200.7 R4.4
7440-23-5	Sodium	ND		0.10	mg/L	200.7 R4.4

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Uncategorized						
CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
	Bicarbonate	0.39			mg/L	SM2320B, 18Ed
	Carbonate	0.00			mg/L	SM2320B, 18Ed
	Contract Lab	See Attached Report				
7440-09-7	Potassium	ND		0.10	mg/L	200.7 R4.4
7631-86-9	Silica	0.06		0.05	mg/L	200.7 R4.4
7440-24-6	Strontium (Sr)	ND		0.05	mg/L	200.7 R4.4
	Total Alkalinity	0.39			mg/L	SM2320B, 18Ed

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2103515

Control Number:

ANALYSIS REQUEST FORM - 2021
Pace Analytical
Attn: Sample Receiving
8 East Tower Circle
Ormond Beach, FL 32174

IBWA ANNUAL TESTING - FOR CULLIGAN INTERNATIONAL

SAMPLE SUBMITTED BY:

Account Number: 10004991
Account Name: Santa Maria, California

CULLIGAN BWP INFORMATION:

Dealership Location/Name: Culligan Santa Maria
Address: 700 West Cook Street
City: Santa Maria State: CA Zip: 934585514

Phone Number: 8059223585
FAX Number: 8059229912
E-MAIL: leoc@culligan.com
Person Taking Sample: LED
Date Sample Taken: 3/24/2021 Time Sample Taken: 9:00Am

SAMPLE INFORMATION (check the appropriate boxes):

Water Supply: Private Municipal
Source: Surface Well Unknown *purified bottled water*

Condition: Treated Untreated Cloudy
Colored *Bottled*

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

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

LAB USE ONLY:


Sample received in acceptable condition: Yes No
Received by: JGT/pac Date: 3-21-21 Time: 1330
if not, reason: _____
Disposition of sample: _____

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Sample Results

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

Client: Culligan International

Client ID: 2103515

Project ID: 2103515

Lab ID: 35622723001

Received 04/01/2021 10:25

Pace Project 35622723

Collected: 04/01/2021 10:25

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	0.0066	<0.0066	ug/L	0.2	Below	0.2	Below
1,2-Dibromoethane (EDB)	0.0077	<0.0077	ug/L	0.05	Below	0.05	Below
505 GCS PCB-TOX-TCH							
Analytical Method: EPA 505 Preparation Method: EPA 505							
Chlordane (Technical)	0.036	<0.036	ug/L	2	Below	2	Below
PCB-1016 (Aroclor 1016)	0.045	<0.045	ug/L				
PCB-1221 (Aroclor 1221)	0.033	<0.033	ug/L				
PCB-1232 (Aroclor 1232)	0.046	<0.046	ug/L				
PCB-1242 (Aroclor 1242)	0.016	<0.016	ug/L				
PCB-1248 (Aroclor 1248)	0.012	<0.012	ug/L				
PCB-1254 (Aroclor 1254)	0.037	<0.037	ug/L				
PCB-1260 (Aroclor 1260)	0.030	<0.030	ug/L				
PCB, Total	0.046	<0.046	ug/L	0.5	Below	0.5	Below
Toxaphene	0.71	<0.71	ug/L	3	Below	3	Below
515.3 Chlorinated Herbicides							
Analytical Method: EPA 515.3 Preparation Method: EPA 515.3							
2,4-D	0.096	<0.096	ug/L	70	Below	70	Below
Dalapon	0.23	<0.23	ug/L	200	Below	200	Below
Dinoseb	0.16	<0.16	ug/L	7	Below	7	Below
Pentachlorophenol	0.014	<0.014	ug/L	1	Below	1	Below
Picloram	0.040	<0.040	ug/L	500	Below	500	Below
2,4,5-TP (Silvex)	0.053	<0.053	ug/L	50	Below	10	Below
525.3 Pesticides Semivolatiles							
Analytical Method: EPA 525.3 Preparation Method: EPA 525.3							
Alachlor	0.032	<0.032	ug/L	2	Below	2	Below
Atrazine	0.016	<0.016	ug/L	3	Below	3	Below
Benzo(a)pyrene	0.021	<0.021	ug/L	0.2	Below	0.2	Below
gamma-BHC (Lindane)	0.0072	<0.0072	ug/L	0.2	Below	0.2	Below
Endrin	0.0059	<0.0059	ug/L	2	Below	2	Below
bis(2-Ethylhexyl)adipate	0.39	<0.39	ug/L	400	Below	400	Below
bis(2-Ethylhexyl)phthalate	0.51	<0.51	ug/L			6	Below
Heptachlor	0.015	<0.015	ug/L	0.4	Below	0.4	Below
Heptachlor epoxide	0.0033	<0.0033	ug/L	0.2	Below	0.2	Below
Hexachlorobenzene	0.016	<0.016	ug/L	1	Below	1	Below
Hexachlorocyclopentadiene	0.027	<0.027	ug/L	50	Below	50	Below
Methoxychlor	0.025	<0.025	ug/L	40	Below	40	Below
Simazine	0.043	<0.043	ug/L	4	Below	4	Below
531.2 HPLC Carbamates							
Analytical Method: EPA 531.2							
Aldicarb	0.36	<0.36	ug/L			3	Below
Aldicarb sulfone	0.56	<0.56	ug/L			3	Below
Aldicarb sulfoxide	0.47	<0.47	ug/L			4	Below
Carbofuran	0.59	<0.59	ug/L				
Oxamyl	0.46	<0.46	ug/L	200	Below	200	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	0.16	<0.16	ug/L	20	Below	20	Below
552.3 Haloacetic Acids							
Analytical Method: EPA 552.3 Preparation Method: EPA 552.3							

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Sample Results

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8 East Tower Circle
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(386) 672-6668

Client: Culligan International

Client ID: 2103515

Project ID: 2103515

Lab ID: 35622723001

Received 04/01/2021 10:25

Pace Project 35622723

Collected: 04/01/2021 10:25

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
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)	0.90	<0.90	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				
548.1 GCS Endothall		Analytical Method: EPA 548.1		Preparation Method: EPA 548.1			
Endothall	3.3	<3.3	ug/L	100	Below	100	Below
524.2 MSV		Analytical Method: EPA 524.2					
Benzene	0.40	<0.40	ug/L	5	Below	1	Below
Bromodichloromethane	0.37	2.5	ug/L				
Bromoform	0.35	<0.35	ug/L				
Carbon tetrachloride	0.28	<0.28	ug/L	5	Below	5	Below
Chlorobenzene	0.26	<0.26	ug/L	100	Below	50	Below
Chloroform	0.37	3.0	ug/L				
Dibromochloromethane	0.47	<0.47	ug/L				
1,2-Dichlorobenzene	0.26	<0.26	ug/L	600	Below	600	Below
1,4-Dichlorobenzene	0.30	<0.30	ug/L	75	Below	75	Below
1,2-Dichloroethane	0.30	<0.30	ug/L	5	Below	2	Below
1,1-Dichloroethene	0.29	<0.29	ug/L	7	Below	2	Below
cis-1,2-Dichloroethene	0.33	<0.33	ug/L	70	Below	70	Below
trans-1,2-Dichloroethene	0.27	<0.27	ug/L	100	Below	100	Below
1,2-Dichloropropane	0.44	<0.44	ug/L	5	Below	5	Below
Ethylbenzene	0.23	<0.23	ug/L	700	Below	700	Below
Methylene Chloride	0.44	<0.44	ug/L	5	Below	3	Below
Methyl-tert-butyl ether	0.36	<0.36	ug/L			70	Below
Naphthalene	0.48	<0.48	ug/L			300	Below
Styrene	0.20	<0.20	ug/L	100	Below	100	Below
1,1,2,2-Tetrachloroethane	0.27	<0.27	ug/L			1	Below
Tetrachloroethene	0.26	<0.26	ug/L	5	Below	1	Below
Toluene	0.28	<0.28	ug/L	1000	Below	1000	Below
Total Trihalomethanes (Calc.)	0.47	5.5	ug/L	80	Below	10	Below
1,2,4-Trichlorobenzene	0.35	<0.35	ug/L	70	Below	9	Below
1,1,1-Trichloroethane	0.27	<0.27	ug/L	200	Below	30	Below
1,1,2-Trichloroethane	0.28	<0.28	ug/L	5	Below	3	Below
Trichloroethene	0.26	<0.26	ug/L	5	Below	1	Below
Vinyl chloride	0.12	<0.12	ug/L	2	Below	2	Below
Xylene (Total)	0.11	<0.11	ug/L	10000	Below	1000	Below
537.1 PFAS Compounds, Water		Analytical Method: EPA 537.1		Preparation Method: EPA 537.1			
11Cl-PF3OUds	1.5	<1.5	ng/L				
9Cl-PF3ONS	1.1	<1.1	ng/L				
ADONA	0.70	<0.70	ng/L				
HFPO-DA	1.6	<1.6	ng/L				
NETFOSAA	0.90	<0.90	ng/L			5	Below
NMeFOSAA	1.5	<1.5	ng/L			5	Below
Perfluorobutanesulfonic acid	0.64	<0.64	ng/L			5	Below
Perfluorodecanoic acid	1.9	<1.9	ng/L			5	Below
Perfluorohexanoic acid	1.2	<1.2	ng/L			5	Below

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537.1 PFAS Compounds, Water							
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1							
Perfluorododecanoic acid	1.4	<1.4	ng/L			5	Below
Perfluoroheptanoic acid	0.97	<0.97	ng/L			5	Below
Perfluorohexanesulfonic acid	0.71	<0.71	ng/L			5	Below
Perfluorononanoic acid	1.9	<1.9	ng/L			5	Below
Perfluorooctanesulfonic acid	1.2	<1.2	ng/L			5	Below
Perfluorooctanoic acid	0.84	<0.84	ng/L			5	Below
Perfluorotetradecanoic acid	1.8	<1.8	ng/L			5	Below
Perfluorotridecanoic acid	1.7	<1.7	ng/L			5	Below
Perfluoroundecanoic acid	1.9	<1.9	ng/L			5	Below
Total PFAS	1.8	<1.8	ng/L			10	Below
900.0 Gross Alpha/Beta							
Analytical Method: EPA 900.0							
Gross Alpha	1.37	1.37U	pCi/L	15	Below	15	Below
Gross Beta	1.53	1.53U	pCi/L	50	Below	50	Below
903.1 Radium 226							
Analytical Method: EPA 903.1							
Radium-226	0.131	0.131U	pCi/L				
904.0 Radium 228							
Analytical Method: EPA 904.0							
Radium-228	0.914	0.914U	pCi/L				
300.1 Oxhalide 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							
Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	0.025	<0.025	mg/L	10	Below	10	Below
Nitrogen, Nitrate	0.025	<0.025	mg/L				
Nitrogen, Nitrite	0.025	<0.025	mg/L				

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Definitions/Qualifiers

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

Pace Project 35622723

DEFINITIONS

- DF Dilution Factor
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting
- 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

- CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

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Analytical Lab Manager

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Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
 - B = Less than 10x higher than method blank level
 - C = Result obtained from confirmation analysis
 - D = Result obtained from analysis of diluted sample
 - E = Exceeds calibration range
 - I = Interference present
 - J = Estimated value
 - L = Suppressive interference, analyte may be biased low
-
- Nn = Value obtained from additional analysis
 - P = PCDE Interference
 - R = Recovery outside target range
 - S = Peak saturated
 - U = Analyte not detected
 - V = Result verified by confirmation analysis
 - X = %D Exceeds limits
 - Y = Calculated using average of daily RFs
-
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

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Report No.....10553991_1613DW_DFR

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N.D. - Indicates that the compound was not detected above the Lab's Reporting Limit - MRL

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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

IBWA STANDARD OF QUALITY REPORT



Pace Analytical Services, LLC.
17006 1st Street
Minneapolis, MN, 55414

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

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID.....2103515
Client.....PASI Florida
Lab Sample ID.....35622723001

Date Collected.....04/01/2021
Date Received.....04/07/2021
Date Extracted.....04/07/2021

	Sample 2103515	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
EDL	1.0 pg/L	1.3 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	107%	116%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			8.0%	
IS Recovery	80%	85%	77%	78%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	82%	88%	86%	89%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E210410B_18	E210409B_08	E210409B_05	E210409B_06
Analysis Date	04/10/2021	04/09/2021	04/09/2021	04/09/2021
Analysis Time	23:14	21:50	19:52	20:31
Analyst	JRH	JRH	JRH	JRH
Volume	0.939L	1.016L	1.042L	1.012L
Dilution	NA	NA	NA	NA
ICAL Date	03/22/2021	03/22/2021	03/22/2021	03/22/2021
CCAL Filename	E210410B_02	E210409B_02	E210409B_02	E210409B_02

! = 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 [2,3,7,8-¹³C₁₂]
 CS = Cleanup Standard [2,3,7,8-³⁷Cl₄]

Analyst: *Jessica Henderson*

Project No.....10553991

Report No.....10553991_1613DW_DFR

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 CO-IL100213; MI-9988

Maria Mozden
Analytical Lab Manager

IBWA STANDARD OF QUALITY REPORT

 Eaton Analytical Laboratory Data

Tel: (626) 366-1100
Fax: (626) 988-3757
1 800 666 LABS (1 800 666 5227)

Report: 927878
Project: INORGANICS
Group: LLPHENOLS

Pace Analytical Services, Inc.
Jeff Baylor
8 East Tower Circle
Ormond Beach, FL 32174

Samples Received on:
04/07/2021 1740

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
2103515 (202104080080)						Sampled on 04/01/2021 1025			
Variable ID: 35822723001									
EPA 420.4 - Phenolic Compounds-low level									
04/13/21 15:11		1320531		(EPA 420.4)	Phenolic Compounds-low level	ND (NE)	ug/L	1.0	1


Rounding on totals after summation.
(g) - Indicates recalculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

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CO-IL100213; MI-9988

Maria Mozden
Analytical Lab Manager

IBWA STANDARD OF QUALITY REPORT

 **Eaton Analytical**

Laboratory Comments

Tel: (626) 385-1100
Fax: (856) 966-3757
1 800 566 LABS (1 800 566 5227)

Report: 927878
Project: INORGANICS
Group: LLPHENOLS

Pace Analytical Services, Inc.
Jeff Baylor
8 East Tower Circle
Ormond Beach, FL 32174

Flags Legend:

NE - Results reported for Phenolic Compounds Low Level are obtained using an in-line distillation process, based on EPA Methods 420.2 and 420.4

The Comments Report may be blank if there are no comments for this report.

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Maria Mozden
Analytical Lab Manager