

**BIG KIT*

DIEM L 1/27/14

UL Drinking Water Laboratory

Quote Number: **246074**

Expiration Date:

Date: 11/26/2013

Project: TX-PWS

Primary Contact:

Wichita Falls, City of
Blair Ramon
Cypress Water Plant
4801 Big Ed Neal Drive
Wichita Falls, TX 76310

Phone: 940-691-1153
Fax:

Bill To: Same as Primary Contact (id= 5703)

Ship To: Same as Primary Contact

**EPA Method Must be listed!*

Report To:

Wichita Falls, City of
Blair Ramon
Cypress Water Plant
4801 Big Ed Neal Drive
Wichita Falls TX 76310

Wichita Falls, City of
Mark Southard
P. O. Box 1431
Wichita Falls TX 76307

Test Name -- Matrix / Method	Qty	Price	Net	Discount	Total
Alkalinity, Total -- SW / 2320 B					
Alkalinity, Total - MRL 1 mg/L as CaCO ₃	1	25.00	25.00	0.00	25.00
Asbestos -- SW / 100.2 / Ref.Lab: Bureau Veritas North America, Inc.					
Asbestos - MRL 0.2 mf/L	1	180.00	180.00	0.00	180.00
Bromide, Chlorate, Chlorite -- WW / 300.0					
Bromide - MRL 10 ug/L	1	25.00	25.00	0.00	25.00
Carbamates - Phase II & V -- WW / 531.2					
Oxamyl - MRL 1 ug/L	1	200.00	200.00	0.00	200.00
Carbofuran - MRL 0.9 ug/L					
Chlorinated Acids - Phase II & V by 515.3 -- WW / 515.3					
Picloram - MRL 0.1 ug/L	1	225.00	225.00	0.00	225.00
Dinoseb - MRL 0.1 ug/L					
2,4-D - MRL 0.1 ug/L					
Pentachlorophenol - MRL 0.04 ug/L					
Dalapon - MRL 1 ug/L					
2,4,5-TP (Silvex) - MRL 0.1 ug/L					
Color (Apparent & True) -- SW / 2120 B					

Color (Apparent) - MRL 5 Pt/Co units	1	30.00	30.00	0.00	30.00
Color (True) - MRL 5 Pt/Co units					
Corrosivity (Langlier Index) -- SW / 2330 B					
	1	25.00	25.00	0.00	25.00
Saturation (Langlier) Index - MRL N/A					
Cyanide, Total -- SW / 335.4					
	1	45.00	45.00	0.00	45.00
Cyanide, Total - MRL 0.02 mg/L					
Dioxin -- WW / 1613 / Ref.Lab: Pace Analytical Services (MN)					
	1	450.00	450.00	0.00	450.00
2,3,7,8-Tetrachlorodibenzo-p-Dioxin - MRL 4 pg/L					
Diquat -- WW / 549.2					
	1	175.00	175.00	0.00	175.00
Diquat - MRL 0.4 ug/L					
Dissolved Organic Carbon -- WW / 5310 C					
	1	50.00	50.00	0.00	50.00
Dissolved Organic Carbon - MRL 0.5 mg/L					
LTB / EDB/DBCP -- RW / 504.1					
	1	0.00	0.00	0.00	0.00
1,2-Dibromo-3-chloropropane (DBCP) - MRL 0.01 ug/L	1,2-Dibromoethane (EDB) - MRL 0.01 ug/L				
EDB/DBCP -- WW / 504.1					
	1	95.00	95.00	0.00	95.00
1,2-Dibromo-3-chloropropane (DBCP) - MRL 0.01 ug/L	1,2-Dibromoethane (EDB) - MRL 0.01 ug/L				
Endothall -- WW / 548.1					
	1	165.00	165.00	0.00	165.00
Endothall - MRL 9 ug/L					
Fluoride -- SW / 380-75WE					
	1	20.00	20.00	0.00	20.00
Fluoride - MRL 0.1 mg/L					
Fluoride, Chloride, Nitrate, Sulfate -- SW / 300.0					
	1	50.00	50.00	0.00	50.00
Sulfate - MRL 5 mg/L	Chloride - MRL 2 mg/L				
Foaming Agents (MBAS) -- SW / 5540 C / Ref.Lab: Pace Analytical Services (Ormond Beach)					
	1	50.00	50.00	0.00	50.00

Foaming Agents (MBAS) - MRL 0.1 mg/L

Glyphosate -- WW / 547

1	140.00	140.00	0.00	140.00
---	--------	--------	------	--------

Glyphosate - MRL 6 ug/L

Haloacetic Acids 5 -- SW / 552.2

1	180.00	180.00	0.00	180.00
---	--------	--------	------	--------

Dibromoacetic acid - MRL 1 ug/L
Monobromoacetic acid - MRL 1 ug/L
Trichloroacetic acid - MRL 1 ug/L

Dichloroacetic acid - MRL 1 ug/L
Monochloroacetic acid - MRL 2 ug/L

Hardness, Calcium -- SW / 2340 B

1	25.00	25.00	0.00	25.00
---	-------	-------	------	-------

Hardness, Calcium - MRL 0.25 mg/L as CaCO3

ICP-AES Metals Scan -- SW / 200.7

1	50.00	50.00	0.00	50.00
---	-------	-------	------	-------

Calcium - MRL 0.1 mg/L

Silica, Total - MRL 0.1 mg/L

ICP-MS Metals Scan -- WW / 200.8

1	225.00	225.00	0.00	225.00
---	--------	--------	------	--------

Chromium - MRL 0.9 ug/L
Antimony - MRL 1 ug/L
Arsenic - MRL 1 ug/L
Barium - MRL 2 ug/L
Lead - MRL 1 ug/L
Thallium - MRL 0.3 ug/L
Manganese - MRL 2 ug/L
Silver - MRL 2 ug/L

Aluminum - MRL 2 ug/L
Cadmium - MRL 1 ug/L
Copper - MRL 1 ug/L
Beryllium - MRL 0.3 ug/L
Selenium - MRL 2 ug/L
Zinc - MRL 5 ug/L
Nickel - MRL 1 ug/L

Mercury -- WW / 245.1

1	40.00	40.00	0.00	40.00
---	-------	-------	------	-------

Mercury - MRL 0.1 ug/L

Nitrogen, Nitrate -- SW / 353.2

1	30.00	30.00	0.00	30.00
---	-------	-------	------	-------

Nitrate - MRL 0.1 mg/L

Nitrogen, Nitrite -- SW / 353.2

1	25.00	25.00	0.00	25.00
---	-------	-------	------	-------

Nitrite - MRL 0.01 mg/L

Odor -- SW / 2150 B

1	30.00	30.00	0.00	30.00
---	-------	-------	------	-------

Odor - MRL 1 TON

Perchlorate by Method 331.0 -- WW / 331.0

	1	200.00	200.00	0.00	200.00
Perchlorate - MRL 0.05 ug/L					

pH -- SW / 150.1

	1	0.00	0.00	0.00	0.00
pH - MRL pH units					

Phase I,II & V Regulated & Unregulated Volatiles -- SW / 524.2

	1	165.00	165.00	0.00	165.00
1,1,1,2-Tetrachloroethane - MRL 0.5 ug/L	1,1,1-Trichloroethane - MRL 0.5 ug/L				
1,1,2,2-Tetrachloroethane - MRL 0.5 ug/L	1,1,2-Trichloroethane - MRL 0.5 ug/L				
1,1-Dichloroethane - MRL 0.5 ug/L	1,1-Dichloroethylene - MRL 0.5 ug/L				
1,1-Dichloropropylene - MRL 0.5 ug/L	1,2,3-Trichlorobenzene - MRL 0.5 ug/L				
1,2,3-Trichloropropane - MRL 0.5 ug/L	1,2,4-Trichlorobenzene - MRL 0.5 ug/L				
1,2,4-Trimethylbenzene - MRL 0.5 ug/L	1,2-Dibromo-3-chloropropane (DBCP) - MRL 0.2 ug/L				
1,2-Dibromoethane (EDB) - MRL 0.2 ug/L	1,2-Dichlorobenzene - MRL 0.5 ug/L				
1,2-Dichloroethane - MRL 0.5 ug/L	1,2-Dichloropropane - MRL 0.5 ug/L				
1,2-Xylene - MRL 0.5 ug/L	1,3 + 1,4-Xylene - MRL 0.5 ug/L				
1,3,5-Trimethylbenzene - MRL 0.5 ug/L	1,3-Dichlorobenzene - MRL 0.5 ug/L				
1,3-Dichloropropane - MRL 0.5 ug/L	1,4-Dichlorobenzene - MRL 0.5 ug/L				
2,2-Dichloropropane - MRL 0.5 ug/L	2-Chlorotoluene - MRL 0.5 ug/L				
4-Chlorotoluene - MRL 0.5 ug/L	4-Isopropyltoluene - MRL 0.5 ug/L				
Benzene - MRL 0.5 ug/L	Bromobenzene - MRL 0.5 ug/L				
Bromochloromethane - MRL 0.5 ug/L	Bromodichloromethane - MRL 0.5 ug/L				
Bromoform - MRL 0.5 ug/L	Bromomethane - MRL 0.5 ug/L				
Carbon tetrachloride - MRL 0.5 ug/L	Chlorobenzene - MRL 0.5 ug/L				
Chloroethane - MRL 0.5 ug/L	Chloroform - MRL 0.5 ug/L				
Chloromethane - MRL 0.5 ug/L	Dibromochloromethane - MRL 0.5 ug/L				
Dibromomethane - MRL 0.5 ug/L	Dichlorodifluoromethane - MRL 0.5 ug/L				
Dichloromethane - MRL 0.5 ug/L	Ethylbenzene - MRL 0.5 ug/L				
Hexachlorobutadiene - MRL 0.5 ug/L	Isopropylbenzene - MRL 0.5 ug/L				
Methyl-t-butyl ether (MTBE) - MRL 0.5 ug/L	Naphthalene - MRL 0.5 ug/L				
Styrene - MRL 0.5 ug/L	Tetrachloroethylene - MRL 0.5 ug/L				
Toluene - MRL 0.5 ug/L	Trichloroethylene - MRL 0.5 ug/L				
Trichlorofluoromethane - MRL 0.5 ug/L	Vinyl chloride - MRL 0.2 ug/L				
cis-1,2-Dichloroethylene - MRL 0.5 ug/L	cis-1,3-Dichloropropylene - MRL 0.5 ug/L				
n-Butylbenzene - MRL 0.5 ug/L	n-Propylbenzene - MRL 0.5 ug/L				
sec-Butylbenzene - MRL 0.5 ug/L	tert-Butylbenzene - MRL 0.5 ug/L				
trans-1,2-Dichloroethylene - MRL 0.5 ug/L	trans-1,3-Dichloropropylene - MRL 0.5 ug/L				

LTB / Phase I,II & V Regulated & Unregulated Volatiles -- RW / 524.2

	1	0.00	0.00	0.00	0.00
1,1,1,2-Tetrachloroethane - MRL 0.5 ug/L	1,1,1-Trichloroethane - MRL 0.5 ug/L				
1,1,2,2-Tetrachloroethane - MRL 0.5 ug/L	1,1,2-Trichloroethane - MRL 0.5 ug/L				
1,1-Dichloroethane - MRL 0.5 ug/L	1,1-Dichloroethylene - MRL 0.5 ug/L				
1,1-Dichloropropylene - MRL 0.5 ug/L	1,2,3-Trichlorobenzene - MRL 0.5 ug/L				
1,2,3-Trichloropropane - MRL 0.5 ug/L	1,2,4-Trichlorobenzene - MRL 0.5 ug/L				
1,2,4-Trimethylbenzene - MRL 0.5 ug/L	1,2-Dibromo-3-chloropropane (DBCP) - MRL 0.2 ug/L				
1,2-Dibromoethane (EDB) - MRL 0.2 ug/L	1,2-Dichlorobenzene - MRL 0.5 ug/L				
1,2-Dichloroethane - MRL 0.5 ug/L	1,2-Dichloropropane - MRL 0.5 ug/L				
1,2-Xylene - MRL 0.5 ug/L	1,3 + 1,4-Xylene - MRL 0.5 ug/L				
1,3,5-Trimethylbenzene - MRL 0.5 ug/L	1,3-Dichlorobenzene - MRL 0.5 ug/L				
1,3-Dichloropropane - MRL 0.5 ug/L	1,4-Dichlorobenzene - MRL 0.5 ug/L				

2-Chlorotoluene - MRL 0.5 ug/L
4-Isopropyltoluene - MRL 0.5 ug/L
Bromobenzene - MRL 0.5 ug/L
Bromodichloromethane - MRL 0.5 ug/L
Bromomethane - MRL 0.5 ug/L
Chlorobenzene - MRL 0.5 ug/L
Chloroform - MRL 0.5 ug/L
Dibromochloromethane - MRL 0.5 ug/L
Dichlorodifluoromethane - MRL 0.5 ug/L
Ethylbenzene - MRL 0.5 ug/L
Isopropylbenzene - MRL 0.5 ug/L
Naphthalene - MRL 0.5 ug/L
Tetrachloroethylene - MRL 0.5 ug/L
Trichloroethylene - MRL 0.5 ug/L
Vinyl chloride - MRL 0.2 ug/L
cis-1,3-Dichloropropylene - MRL 0.5 ug/L
n-Propylbenzene - MRL 0.5 ug/L
tert-Butylbenzene - MRL 0.5 ug/L
trans-1,3-Dichloropropylene - MRL 0.5 ug/L

	1	325.00	325.00	0.00	325.00
Endrin - MRL 0.01 ug/L	Heptachlor - MRL 0.04 ug/L				
Heptachlor epoxide - MRL 0.02 ug/L	Di(2-ethylhexyl)adipate - MRL 0.6 ug/L				
Atrazine - MRL 0.1 ug/L	Alachlor - MRL 0.1 ug/L				
Hexachlorobenzene - MRL 0.1 ug/L	Hexachlorocyclopentadiene - MRL 0.1 ug/L				
Methoxychlor - MRL 0.1 ug/L	gamma-BHC (Lindane) - MRL 0.02 ug/L				
Simazine - MRL 0.07 ug/L	Di(2-ethylhexyl)phthalate - MRL 0.6 ug/L				

	1	95.00	95.00	0.00	95.00
Aroclor 1016 - MRL 0.08 ug/L	Aroclor 1221 - MRL 0.19 ug/L				
Aroclor 1232 - MRL 0.23 ug/L	Aroclor 1242 - MRL 0.26 ug/L				
Aroclor 1248 - MRL 0.1 ug/L	Aroclor 1254 - MRL 0.1 ug/L				
Aroclor 1260 - MRL 0.2 ug/L	Chlordane - MRL 0.1 ug/L				
Toxaphene - MRL 1 ug/L					

Solids, Dissolved - MRL 10 mg/L	1	15.00	15.00	0.00	15.00
---------------------------------	---	-------	-------	------	-------

Temperature - MRL °C	1	0.00	0.00	0.00	0.00
----------------------	---	------	------	------	------

0.00

3355.00

[illegible]

[illegible]

Lab Comment: Sample is treated effluent from a WW plant. The water will be used in some DW areas and needs to be tested accordingly. If dilutions are needed that is acceptable.

vernon

Nov 26 2013 07:47AM

Lab Comment: Sample is treated effluent from a WW plant. The water will be used in some DW areas and needs to be tested accordingly. If dilutions are needed that is acceptable.

Terms&Conditions

1. Scope. UL LLC ("UL") will perform water testing for Client ("You" or "Your") to the requested tests identified on the Chain of Custody submitted with the samples. ("Services"). UL's Services shall be limited to an assessment of your samples in the specified test battery, and UL does not express any opinion regarding the bulk from which the samples were drawn. Client is responsible for selecting the necessary tests to be performed and ensuring that the test battery meets its requirements.

2. Report Deliverables & Electronic Deliverables. Upon completion of the analytical testing, UL will provide Client with a report presenting the results of the analysis for the samples submitted. Data will be reported on UL Generic Report Formats. If requested, UL can provide a UL Standard EDD, and/or state-designated format. Development of custom EDD or report formats not already available from our list of existing formats, including modification of existing formats to fit client needs, can be provided for a fee starting at \$100. Any additional time/effort required for development may be billed at a rate of \$50 per hour. Record retention is based on individual state certification or NELAP requirements. UL's terms are Net 30 Days.

For Extended Reporting options and pricing, please contact your Project Manager or Account Executive.

3. Turn Around Time (TAT). Reports will be delivered within 14 calendar days (excluding observed Holidays), except for Radiological, R&D, UCMR, AOC, non-routine testing, and subcontracted tests, which will be delivered within 28 calendar days. Expedited TAT is available upon request, but must be arranged with Your Project Manager prior to receipt.

Expedited TAT for routine analysis is defined as the following and will incur the stated surcharges: 125% for an Immediate Written (IW) – a written report within 3 working days of sample receipt. 75% for a Rush Written (RW) – a written report within 5 working days of sample receipt. 100% for an Immediate Verbal (IV) – verbal results (by phone or email) within 3 working days of sample receipt. 50% for a Rush Verbal (RV) – verbal results (by phone or email) within 5 working days of sample receipt.

Expedited TAT for Radiological analysis is defined as the following and will incur the stated surcharges: 75% for a Rush Written (RW) – written report within 10 working days of sample receipt. 50% for a Rush Verbal (RV) – verbal results (by phone or email) within 10 working days of sample receipt. *Note: If combined Radium results are a potential MCL, the confirmation will not be available for 3 weeks from the extraction date. Surcharges still apply.*

Pre-arranged rush projects where samples are not received are subject to additional charges.

4. Sample Disposal. UL will dispose of samples, sample extracts and digestates at no additional cost to You 30 days after the final report is issued in adherence to local disposal requirements. Storage of samples and containers beyond this time frame may be available for an additional fee starting at \$1 per container. Please contact Your Project Manager to inquire about availability and cost. Samples that contain dioxin, mixed waste or are radioactive will be returned to You. UL reserves the right to refuse any sample.

5. Multiple Dilutions Analyzed. UL will report the analytical run containing the highest concentration component/analyte in the sample within the calibration range of the method; analytical screening runs will not be reported. The laboratory will generally not be able to attempt greater than 10-fold concentrated analysis than the required dilution. Additional charges may apply for any additional requested or required dilutions. Such additional dilutions will only be attempted if in the opinion of the laboratory they do not pose a risk to the instrumentation.

6. Sample Containers Shipping. The containers and preservatives required by the project shall be delivered via ground transportation at no additional cost to You. A minimum of 3 - 5 days advance notice is required in order to achieve shipment by ground transportation; please refer to the UPS shipping map with shipping from the postal code 46617 () to determine estimated transit time for ground shipping. Supply shipments requiring priority due to insufficient lead time for ground transportation shall be charged to the client at UL cost. Alternatively, UL can ship the supplies via carrier of Your choice by using Your shipping account.

Returning sample kits to the laboratory is Your responsibility. UL can provide pre-paid return shipping tags at the UL discounted rate. Please discuss this with Your Project Manager or Account Executive when placing orders.

7. Short Holding Time. Samples with 14 days or more holding time that are received with $\leq$ 3 days of holding time remaining are subject to a 50% surcharge for expedited sample preparation/analysis.

8. Matrix Spike/Spike Duplicate Samples. UL complies with the required frequencies for MS/MSD per batch. When MS/MSD are not specifically requested, UL will strive to perform the required QC using whatever available sample there is, but will not report the QC results unless You request it specifically. Any requested MS/MSD will be charged at unit rates. If MS/MSD is required or requested, You must provide adequate additional sample volume.

9. Amendments/Data Reprocessing. Changes or amendments to the final report will be provided at \$30 per request if the requested change is not due to laboratory error. Amendments requiring reprocessing of data not due to laboratory error will incur additional charges at \$50/hour (minimum \$50). Amendments and data reprocessing required due to laboratory error or omission will be performed at no charge.

10. Volume Discounts. Volume discounts may be rescinded if the agreed upon number of samples are not received in the agreed upon time frame.

11. Subcontracting. You agree that UL may subcontract testing limited to those tests that UL does not have the capability to perform. All subcontractors shall meet UL current qualification requirements unless You specifically request an alternate Subcontractor.

12. Replacement, Recollection, Client Requested Reanalysis:. If it is deemed that a sample must be recollected and reanalyzed due to the fault of UL, UL will perform the reanalysis at no cost to You. If it is not possible to recollect or reanalyze a sample, UL will not bill the fees for that test. This is Your sole remedy under these Terms & Conditions for the Services. If You request reanalysis to confirm a questionable or unexpected result and the original analysis is confirmed, the reanalysis will be billed at the unit price.

13. Use of Names and Marks. The Services will not result in UL certification or any authorization to use UL's certification Marks. Except as otherwise authorized by UL in writing, You are expressly prohibited from using the UL name, abbreviation, Marks, or the name of any UL subsidiary, affiliate, or parent on any goods, containers, packaging, or in connection with any advertising, promotions, or otherwise.

14. No Warranty. No representation, warranty, or guarantee, express or implied, is included in these Terms & Conditions, or in any quotation or other document provided under these Terms & Conditions.

15. Indemnification. You shall defend, hold harmless, and indemnify UL and its officers, directors, trustees, employees, agents, or subcontractors against all claims made by any third party for loss, damage, or expense of any nature and howsoever arising out of these Terms & Conditions including without limitation the performance or nonperformance of any testing.

16. Limitation of Liability. UL's liability for any claims for loss, damage or expense of any nature and arising in any manner for breach of contract and/or failure to exercise due skill and care by UL will in no circumstances exceed the fees received for the specific Services which give rise to such claims. Under no circumstances will UL have any liability for any claims for indirect, consequential, incidental, special, or punitive damages of any nature, including lost profits, loss of future business, loss of production, or cancellation of contracts entered into by You. Under no circumstances will UL be liable to You for any claims for loss, damage, or expense unless the claim is brought under Section 17 within 12 months of the date when such Service should have been completed.

17. Dispute Resolution/Binding Arbitration. Any dispute or disagreement arising out of, or relating to Services or this Agreement, including the breach, termination, or validity thereof, will have the exclusive remedy of binding arbitration, which will be administered by American Arbitration Association ("AAA") pursuant to the AAA Commercial Arbitration Rules. The decision of the panel will be final and may be entered by a court of competent jurisdiction, as described in Paragraph 18 below. Nothing in this provision will prevent either Party from seeking injunctive relief in a court of law for misuse or misappropriation of its trade or certification Marks, confidential or proprietary information, or for infringement of its intellectual property. Except as may be required by law, neither a Party nor an arbitrator may disclose the existence, content, or results of any arbitration without the prior written consent of both Parties. The non-prevailing Party will bear all costs of the arbitration including all legal fees and costs of the prevailing Party.

18. Governing Law/Jurisdiction. These Terms & Conditions will be governed by the laws of the State of Illinois, United States of America, without reference to Illinois' choice of law principles. Subject to Paragraph 17, and without limiting its scope, the parties consent to the sole and exclusive jurisdiction in the state courts and federal courts that have jurisdiction over Cook County, Illinois, for any claims or disputes that are determined not to be subject to resolution by arbitration, as provided in Paragraph 17 above.

19. Severability. If any section of these Terms & Conditions is held invalid, void or unenforceable for any reason that section shall be severed, and all other sections of this Agreement shall remain valid to the extent permissible under law.

20. Modifications. Unless otherwise specified in the Quotation, these are the Terms & Conditions for the project quoted and supersede any other communications, representations, or agreements with respect to its subject matter. These Terms & Conditions may be modified only in writing if duly executed by authorized persons for both parties. No preprinted additional or different terms on Your purchase orders, invoices, sales or marketing materials, or other business documents including third party agreements shall apply to UL for the services being provided.

By signing this document or placing an order based on the Quotation, I represent that I have read, understand, and accept the terms and conditions outlined in this document.

Printed Name: _____ Title: _____

Signature: _____ Date: _____