Your P.O. #: 319278
Your Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your C.O.C. #: 1 of 1

**Attention: dennis Leis**

DIAMOND VALLEY, TOWN OF
BLACK DIAMOND
P.O. BOX 10
301 CENTER AVENUE WEST
DIAMOND VALLEY, AB
Canada T0L 0H0

**Report Date: 2023/03/02**
Report #: R3305962
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: C309067**
**Received: 2023/02/08, 12:40**

Sample Matrix: Water
# Samples Received: 1

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|---|---|---|---|---|
| Bromate | 1 | N/A | 2023/02/11 | CAL SOP-00040 | SM 23 4110 D m |
| BTEX/F1 in Water by HS GC/MS/FID | 1 | N/A | 2023/02/14 | AB SOP-00039 | CCME CWS/EPA 8260d m |
| F1-BTEX | 1 | N/A | 2023/02/15 | | Auto Calc |
| Cadmium - low level CCME (Total) | 1 | N/A | 2023/02/12 | | Auto Calc |
| Chlorine (Free) (2) | 1 | N/A | 2023/02/09 | AB SOP-00032 | SM 23 4500-Cl G m |
| Chloramines, Residual | 1 | N/A | 2023/02/09 | | Auto Calc |
| Chlorine (Total) (2) | 1 | N/A | 2023/02/09 | AB SOP-00032 | SM 23 4500-Cl G m |
| Chlorate and Chlorite by IC | 1 | N/A | 2023/02/14 | CAL SOP-00040 | SM 23 4110 D m |
| Chloride/Sulphate by Auto Colourimetry | 1 | N/A | 2023/02/12 | AB SOP-00020 | SM23-4500-Cl/SO4-E m |
| Cyanide (total) | 1 | N/A | 2023/02/10 | CAL SOP-00270 | SM 23 4500-CN m |
| True Colour | 1 | N/A | 2023/02/11 | CAL SOP-00049 | SM 23 2120 C m |
| Fluoride | 1 | N/A | 2023/02/13 | AB SOP-00005 | SM 23 4500-F C m |
| CCME Hydrocarbons (F2-F4 in water) (3) | 1 | 2023/02/09 | 2023/02/09 | AB SOP-00037 | CCME PHC-CWS m |
| Sulphide (as H2S) | 1 | N/A | 2023/02/10 | | Auto Calc |
| Hardness Total (calculated as CaCO3) (4) | 1 | N/A | 2023/02/10 | BBY WI-00033 | Auto Calc |
| Mercury (Total) by CV | 1 | 2023/02/09 | 2023/02/09 | AB SOP-00084 | BCMOE BCLM Oct2013 m |
| Elements by ICP - Total | 1 | 2023/02/10 | 2023/02/10 | AB SOP-00014 / AB SOP-00042 | EPA 6010d R5 m |
| Elements by ICPMS - Total | 1 | 2023/02/10 | 2023/02/10 | AB SOP-00014 / AB SOP-00043 | EPA 6020b R2 m |
| Ammonia-N (Total) | 1 | N/A | 2023/02/11 | AB SOP-00007 | SM 23 4500 NH3 A G m |
| Nitrate and Nitrite | 1 | N/A | 2023/02/11 | | Auto Calc |
| NO2 (N); NO2 (N) + NO3 (N) in Water | 1 | N/A | 2023/02/10 | AB SOP-00091 | SM 24 4500 NO3m |
| Nitrate (as N) | 1 | 2023/02/08 | 2023/02/11 | | Auto Calc |
| Benzo[a]pyrene Equivalency (5) | 1 | N/A | 2023/02/10 | | Auto Calc |
| PAH in Water by GC/MS | 1 | 2023/02/09 | 2023/02/09 | AB SOP-00037 / AB SOP-00003 | EPA 3510C/8270E m |
| pH @25°C (6) | 1 | N/A | 2023/02/13 | AB SOP-00005 | SM 23 4500-H+B m |
| Phenoxyalkyl acid Pesticides | 1 | 2023/02/13 | 2023/02/13 | CAL SOP-00094 | EPA 8151 R1 m |
| Total Sulphide | 1 | N/A | 2023/02/09 | AB SOP-00080 | SM 23 4500 S2-A D Fm |


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**Attention: dennis Leis**

DIAMOND VALLEY, TOWN OF
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P.O. BOX 10
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DIAMOND VALLEY, AB
Canada T0L 0H0

**Report Date: 2023/03/02**
Report #: R3305962
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: C309067**
**Received: 2023/02/08, 12:40**

Sample Matrix: Water
# Samples Received: 1

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|---|---|---|---|---|
| Phenols (semivolatile) | 1 | 2023/02/12 | 2023/02/13 | CAL SOP-00164 | EPA 8270e m |
| Total Dissolved Solids (Filt. Residue) | 1 | 2023/02/09 | 2023/02/09 | AB SOP-00065 | SM 23 2540 C m |
| Total Trihalomethanes Calculation | 1 | N/A | 2023/02/14 | | Auto Calc |
| Carbon (Total Organic) (7) | 1 | N/A | 2023/02/21 | AB SOP-00087 | MMCW 119 1996 m |
| Turbidity | 1 | N/A | 2023/02/09 | CAL SOP-00081 | SM 23 2130 B m |
| VOCs in Water by HS GC/MS (Std List) | 1 | N/A | 2023/02/13 | AB SOP-00056 | EPA 5021a/8260d m |
| Diuron, Guthion, Temephos (1) | 1 | 2023/02/16 | 2023/02/16 | CAM SOP-00306 | EPA 532 m |
| Diquat / Paraquat (1) | 1 | 2023/02/15 | 2023/02/16 | CAM SOP-00327 | EPA 549.2 m |
| Glyphosate (1) | 1 | 2023/02/14 | 2023/02/15 | CAM SOP-00305 | HPLC in-house method |
| Haloacetic Acids in Water (1) | 1 | 2023/02/13 | 2023/02/15 | CAM SOP-00954 | EPA 552.2 m |
| Nitrosamines in Water (1) | 1 | 2023/02/14 | 2023/02/22 | BRL SOP-00012 | EPA M 607/1625B mod |
| Nitrilotriacetic Acid (NTA) (1, 8) | 1 | 2023/02/13 | 2023/02/13 | CAM SOP-00411 | EPA 430.1 m |
| OC Pesticides (Selected) & PCB (1, 9) | 1 | 2023/02/14 | 2023/02/15 | CAM SOP-00307 | SW846 8081,8082 |
| OC Pesticides Summed Parameters (1) | 1 | N/A | 2023/02/13 | CAM SOP-00307 | SW846 8081,8082 |
| ODWS-Semi-Volatiles (1) | 1 | 2023/02/15 | 2023/02/18 | CAM SOP-00301 | EPA 8270 m |

**Remarks:**

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.



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Your P.O. #: 319278
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**Report Date: 2023/03/02**
Report #: R3305962
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: C309067**
**Received: 2023/02/08, 12:40**

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Campobello, 6740 Campobello Road , Mississauga, ON, L5N 2L8
(2) The APHA Standard Method requires Chlorine to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory Chlorine analyses in this report are reported past the APHA Standard Method holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt.
(3) Silica gel clean up employed.
(4) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
(5) B[a]P TPE is calculated using 1/2 of the RDL for non detect results as per Alberta Environment instructions. This protocol may not apply in other jurisdictions.
(6) The CCME method requires pH to be analysed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME holding time. Bureau Veritas endeavours to analyze samples as soon as possible after receipt.
(7) TOC present in the sample should be considered as non-purgeable TOC.
(8) Bureau Veritas attempts to commence NTA analysis as soon as possible in accordance with the reference method. However, rapid analysis may not be practically achievable, particularly for samples from remote locations. Extended delay in analysis times may increase the uncertainty of the test results, but does not necessarily imply that the results are compromised.
(9) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

AUTHORIZED REPORT
RAPPORT AUTORISÉ

Bureau Veritas
02 Mar 2023 19:20:37

Please direct all questions regarding this Certificate of Analysis to:
Geraldlyn Gouthro, Key Account Specialist
Email: geraldlyn.gouthro@bureauveritas.com
Phone# (780)577-7173
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Scott Cantwell, General Manager responsible for Alberta Environmental laboratory operations.


Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## AT1 BTEX AND F1-F4 IN WATER (WATER)

| **Bureau Veritas ID** | | | | BLM816 | | |
|---|---|---|---|---|---|---|
| **Sampling Date** | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Ext. Pet. Hydrocarbon** | | | | | | |
| F2 (C10-C16 Hydrocarbons) | mg/L | - | - | <0.10 | 0.10 | A875983 |
| F3 (C16-C34 Hydrocarbons) | mg/L | - | - | <0.10 | 0.10 | A875983 |
| F4 (C34-C50 Hydrocarbons) | mg/L | - | - | <0.20 | 0.20 | A875983 |
| **Volatiles** | | | | | | |
| Benzene | ug/L | 5 | - | <0.40 | 0.40 | A877619 |
| Toluene | ug/L | 60 | 24 | <0.40 | 0.40 | A877619 |
| Ethylbenzene | ug/L | 140 | 1.6 | <0.40 | 0.40 | A877619 |
| m & p-Xylene | ug/L | - | - | <0.80 | 0.80 | A877619 |
| o-Xylene | ug/L | - | - | <0.40 | 0.40 | A877619 |
| Xylenes (Total) | ug/L | 90 | 20 | <0.89 | 0.89 | A876571 |
| F1 (C6-C10) - BTEX | ug/L | - | - | <100 | 100 | A876571 |
| F1 (C6-C10) | ug/L | - | - | <100 | 100 | A877619 |
| **Surrogate Recovery (%)** | | | | | | |
| 1,4-Difluorobenzene (sur.) | % | - | - | 103 | N/A | A877619 |
| 4-Bromofluorobenzene (sur.) | % | - | - | 100 | N/A | A877619 |
| D4-1,2-Dichloroethane (sur.) | % | - | - | 108 | N/A | A877619 |
| O-TERPHENYL (sur.) | % | - | - | 92 | N/A | A875983 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
N/A = Not Applicable



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## REGULATED METALS (CCME/AT1) - TOTAL

| **Bureau Veritas ID** | | | | | BLM816 | | |
|---|---|---|---|---|---|---|---|
| **Sampling Date** | | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **OG** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Elements** | | | | | | | |
| Total Cadmium (Cd) | ug/L | 7 | - | - | <0.020 | 0.020 | A875336 |
| Total Aluminum (Al) | mg/L | 2.9 | - | 0.1 | 0.016 | 0.0030 | A878500 |
| Total Antimony (Sb) | mg/L | 0.006 | - | - | <0.00060 | 0.00060 | A878500 |
| Total Arsenic (As) | mg/L | 0.01 | - | - | <0.00020 | 0.00020 | A878500 |
| Total Barium (Ba) | mg/L | 2 | - | - | 0.069 | 0.010 | A878504 |
| Total Beryllium (Be) | mg/L | - | - | - | <0.0010 | 0.0010 | A878500 |
| Total Boron (B) | mg/L | 5 | - | - | 0.022 | 0.020 | A878504 |
| Total Calcium (Ca) | mg/L | - | - | - | 70 | 0.30 | A878504 |
| Total Chromium (Cr) | mg/L | 0.05 | - | - | <0.0010 | 0.0010 | A878500 |
| Total Cobalt (Co) | mg/L | - | - | - | <0.00030 | 0.00030 | A878500 |
| Total Copper (Cu) | mg/L | 2.0 | 1.0 | - | 0.012 | 0.0010 | A878500 |
| Total Iron (Fe) | mg/L | - | 0.3 | - | <0.060 | 0.060 | A878504 |
| Total Lead (Pb) | mg/L | 0.005 | - | - | <0.00020 | 0.00020 | A878500 |
| Total Lithium (Li) | mg/L | - | - | - | <0.020 | 0.020 | A878504 |
| Total Magnesium (Mg) | mg/L | - | - | - | 20 | 0.20 | A878504 |
| Total Manganese (Mn) | mg/L | 0.12 | 0.02 | - | <0.0040 | 0.0040 | A878504 |
| Total Molybdenum (Mo) | mg/L | - | - | - | 0.00094 | 0.00020 | A878500 |
| Total Nickel (Ni) | mg/L | - | - | - | <0.00050 | 0.00050 | A878500 |
| Total Phosphorus (P) | mg/L | - | - | - | <0.10 | 0.10 | A878504 |
| Total Potassium (K) | mg/L | - | - | - | 0.92 | 0.30 | A878504 |
| Total Selenium (Se) | mg/L | 0.05 | - | - | 0.00094 | 0.00020 | A878500 |
| Total Silicon (Si) | mg/L | - | - | - | 2.0 | 0.50 | A878504 |
| Total Silver (Ag) | mg/L | - | - | - | <0.00010 | 0.00010 | A878500 |
| Total Sodium (Na) | mg/L | - | 200 | - | 8.0 | 0.50 | A878504 |
| Total Strontium (Sr) | mg/L | 7 | - | - | 0.31 | 0.020 | A878504 |
| Total Sulphur (S) | mg/L | - | - | - | 30 | 0.20 | A878504 |
| Total Thallium (Tl) | mg/L | - | - | - | <0.00020 | 0.00020 | A878500 |
| Total Tin (Sn) | mg/L | - | - | - | <0.0010 | 0.0010 | A878500 |
| Total Titanium (Ti) | mg/L | - | - | - | <0.0010 | 0.0010 | A878500 |
| Total Uranium (U) | mg/L | 0.02 | - | - | 0.00049 | 0.00010 | A878500 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit



Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## REGULATED METALS (CCME/AT1) - TOTAL

| **Bureau Veritas ID** | | | | | BLM816 | | |
|---|---|---|---|---|---|---|---|
| **Sampling Date** | | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **OG** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| Total Vanadium (V) | mg/L | - | - | - | <0.0010 | 0.0010 | A878500 |
| Total Zinc (Zn) | mg/L | - | 5.0 | - | <0.0030 | 0.0030 | A878500 |

| | |
|---|---|
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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## RESULTS OF CHEMICAL ANALYSES OF WATER

| **Bureau Veritas ID** | | | | | BLM816 | BLM816 | | |
|---|---|---|---|---|---|---|---|---|
| **Sampling Date** | | | | | 2023/02/08 08:30 | 2023/02/08 08:30 | | |
| **COC Number** | | | | | 1 of 1 | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **OG** | **DV TREATED DISTRO** | **DV TREATED DISTRO Lab-Dup** | **RDL** | **QC Batch** |
| **Base Neutrals** | | | | | | | | |
| N-Nitrosodimethylamine | ng/L | 40 | - | - | <2.0 | N/A | 2.0 | A897521 |
| **Calculated Parameters** | | | | | | | | |
| Residual Chloramines | mg/L | - | - | - | <0.020 | N/A | 0.020 | A876393 |
| Total Hardness (CaCO3) | mg/L | - | - | - | 258 | N/A | 0.50 | A875619 |
| Nitrate (N) | mg/L | 10 | - | - | 0.11 | N/A | 0.010 | A875819 |
| Nitrate (NO3) | mg/L | 45 | - | - | 0.50 | N/A | 0.044 | A875732 |
| Nitrite (NO2) | mg/L | 3 | - | - | <0.033 | N/A | 0.033 | A875732 |
| Sulphide (as H2S) | mg/L | - | 0.05 | - | <0.0020 | N/A | 0.0020 | A875682 |
| **Misc. Inorganics** | | | | | | | | |
| Free Chlorine | mg/L | - | - | - | 0.81 | 0.80 | 0.020 | A877224 |
| Total Chlorine | mg/L | - | - | - | 0.82 | 0.83 | 0.020 | A877227 |
| Strong Acid Dissoc. Cyanide (CN) | mg/L | - | - | - | <0.00050 | N/A | 0.00050 | A877288 |
| pH | pH | - | - | 7.0:10.5 | 8.13 | N/A | N/A | A880024 |
| Total Organic Carbon (C) | mg/L | - | - | - | 0.79 | N/A | 0.50 | A887962 |
| Total Dissolved Solids | mg/L | - | 500 | - | 270 | N/A | 10 | A877275 |
| **Anions** | | | | | | | | |
| Bromate | mg/L | 0.01 | - | - | <0.0095 | N/A | 0.0095 | A878008 |
| Chlorate (ClO3) | mg/L | 1 | - | - | 0.28 | 0.27 | 0.10 | A878012 |
| Chlorite (ClO2) | mg/L | 1 | - | - | <0.10 | <0.10 | 0.10 | A878012 |
| Dissolved Fluoride (F) | mg/L | 1.5 | - | - | 0.26 | N/A | 0.050 | A880026 |
| Total Sulphide | mg/L | - | 0.05 | - | <0.0018 | N/A | 0.0018 | A877305 |
| Chloride (Cl) | mg/L | - | 250 | - | 4.3 | N/A | 1.0 | A879669 |
| **MISCELLANEOUS** | | | | | | | | |
| Dalapon | ug/L | - | - | - | <5.0 | N/A | 5.0 | A883051 |
| Nitrilotriacetic acid | mg/L | 0.4 | - | - | <0.050 | N/A | 0.050 | A886464 |
| Monochloroacetic Acid | ug/L | - | - | - | <5.0 | N/A | 5.0 | A883051 |
| Monobromoacetic Acid | ug/L | - | - | - | <5.0 | N/A | 5.0 | A883051 |

| | |
|---|---|
| No Fill | No Exceedance |
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| Black | Exceeds both criteria/levels |

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Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## RESULTS OF CHEMICAL ANALYSES OF WATER

| **Bureau Veritas ID** | | | | | BLM816 | BLM816 | | |
|---|---|---|---|---|---|---|---|---|
| **Sampling Date** | | | | | 2023/02/08 08:30 | 2023/02/08 08:30 | | |
| **COC Number** | | | | | 1 of 1 | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **OG** | **DV TREATED DISTRO** | **DV TREATED DISTRO Lab-Dup** | **RDL** | **QC Batch** |
| Dichloroacetic Acid | ug/L | - | - | - | 7.1 | N/A | 5.0 | A883051 |
| Trichloroacetic Acid | ug/L | - | - | - | 5.7 | N/A | 5.0 | A883051 |
| Bromochloroacetic Acid | ug/L | - | - | - | <5.0 | N/A | 5.0 | A883051 |
| Dibromoacetic Acid | ug/L | - | - | - | <5.0 | N/A | 5.0 | A883051 |
| Total Haloacetic Acids | ug/L | 80 | - | - | 13 | N/A | 5.0 | A883051 |
| **Nutrients** | | | | | | | | |
| Total Ammonia (N) | mg/L | - | - | - | <0.015 | <0.015 | 0.015 | A879119 |
| Nitrite (N) | mg/L | 1 | - | - | <0.010 | N/A | 0.010 | A879050 |
| Nitrate plus Nitrite (N) | mg/L | - | - | - | 0.11 | N/A | 0.010 | A879050 |
| **Pesticides & Herbicides** | | | | | | | | |
| Diquat | ug/L | 50 | - | - | <7.0 | <7.0 | 7.0 | A888676 |
| Paraquat | ug/L | 7 | - | - | <1.0 | <1.0 | 1.0 | A888676 |
| **Physical Properties** | | | | | | | | |
| True Colour | PtCo units | - | 15 | - | <2.0 | N/A | 2.0 | A879103 |
| **Physical Properties** | | | | | | | | |
| Turbidity | NTU | see remark | see remark | see remark | 0.23 | 0.22 | 0.10 | A877503 |
| **Surrogate Recovery (%)** | | | | | | | | |
| 2,3-Dibromopropionic Acid | % | - | - | - | 101 | N/A | N/A | A883051 |
| D10-N-nitrosodiethylamine | % | - | - | - | 76 | N/A | N/A | A897521 |
| D14-N-Nitrosodi-n-propylamine | % | - | - | - | 81 | N/A | N/A | A897521 |
| D6-NDMA | % | - | - | - | 37 | N/A | N/A | A897521 |
| D8-N-Nitrosomorpholine | % | - | - | - | 62 | N/A | N/A | A897521 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable



Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## PHENOXYALKYL ACID PESTICIDES/HERBICIDES (WATER)

| **Bureau Veritas ID** | | | BLM816 | | |
|---|---|---|---|---|---|
| **Sampling Date** | | | 2023/02/08 08:30 | | |
| **COC Number** | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Phenoxyalkyl acid Pest.** | | | | | |
| MCPA | ug/L | 350 | <0.020 | 0.020 | A879931 |
| **Surrogate Recovery (%)** | | | | | |
| 2,4-Dichlorophenyl Acetic Acid | % | - | 80 | N/A | A879931 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit
N/A = Not Applicable



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## SEMIVOLATILE ORGANICS BY GC-MS (WATER)

| **Bureau Veritas ID** | | | | BLM816 | | |
|---|---|---|---|---|---|---|
| **Sampling Date** | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Polycyclic Aromatics** | | | | | | |
| B[a]P TPE Total Potency Equivalents | ug/L | - | - | <0.010 | 0.010 | A875376 |
| Acenaphthene | ug/L | - | - | <0.10 | 0.10 | A875984 |
| Acenaphthylene | ug/L | - | - | <0.10 | 0.10 | A875984 |
| Acridine | ug/L | - | - | <0.040 | 0.040 | A875984 |
| Anthracene | ug/L | - | - | <0.010 | 0.010 | A875984 |
| Benzo(a)anthracene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| Benzo(b&j)fluoranthene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| Benzo(k)fluoranthene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| Benzo(g,h,i)perylene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| Benzo(c)phenanthrene | ug/L | - | - | <0.050 | 0.050 | A875984 |
| Benzo(a)pyrene | ug/L | 0.04 | - | <0.0075 | 0.0075 | A875984 |
| Benzo(e)pyrene | ug/L | - | - | <0.050 | 0.050 | A875984 |
| Chrysene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| Dibenz(a,h)anthracene | ug/L | - | - | <0.0075 | 0.0075 | A875984 |
| Fluoranthene | ug/L | - | - | <0.010 | 0.010 | A875984 |
| Fluorene | ug/L | - | - | <0.050 | 0.050 | A875984 |
| Indeno(1,2,3-cd)pyrene | ug/L | - | - | <0.0085 | 0.0085 | A875984 |
| 1-Methylnaphthalene | ug/L | - | - | <0.10 | 0.10 | A875984 |
| 2-Methylnaphthalene | ug/L | - | - | <0.10 | 0.10 | A875984 |
| Naphthalene | ug/L | - | - | <0.10 | 0.10 | A875984 |
| Phenanthrene | ug/L | - | - | <0.050 | 0.050 | A875984 |
| Perylene | ug/L | - | - | <0.050 | 0.050 | A875984 |
| Pyrene | ug/L | - | - | <0.020 | 0.020 | A875984 |
| Quinoline | ug/L | - | - | <0.20 | 0.20 | A875984 |
| **Phenols** | | | | | | |
| 2,3,4,6-tetrachlorophenol | mg/L | 0.1 | 0.001 | <0.00010 | 0.00010 | A879621 |
| 2,4,6-trichlorophenol | mg/L | 0.005 | 0.002 | 0.00030 | 0.00010 | A879621 |
| 2,4-dichlorophenol | mg/L | 0.9 | 0.0003 | <0.00010 | 0.00010 | A879621 |
| **SEMI-VOLATILE ORGANICS** | | | | | | |
| 2,4,5-T | ug/L | - | - | <1.0 | 1.0 | A897524 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## SEMIVOLATILE ORGANICS BY GC-MS (WATER)

| **Bureau Veritas ID** | | | | BLM816 | | |
|---|---|---|---|---|---|---|
| **Sampling Date** | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| 2,4-D | ug/L | 100 | - | <1.0 | 1.0 | A897524 |
| Alachlor | ug/L | - | - | <0.50 | 0.50 | A897524 |
| Aldicarb | ug/L | - | - | <5.0 | 5.0 | A897524 |
| Atrazine | ug/L | 5 | - | <0.50 | 0.50 | A897524 |
| Desethyl-atrazine | ug/L | - | - | <0.50 | 0.50 | A897524 |
| Atrazine + Desethyl-atrazine | ug/L | 5 | - | <1.0 | 1.0 | A897524 |
| Bendiocarb | ug/L | - | - | <2.0 | 2.0 | A897524 |
| Bromoxynil | ug/L | 30 | - | <0.50 | 0.50 | A897524 |
| Carbaryl | ug/L | 90 | - | <5.0 | 5.0 | A897524 |
| Carbofuran | ug/L | 90 | - | <5.0 | 5.0 | A897524 |
| Chlorpyrifos (Dursban) | ug/L | 90 | - | <1.0 | 1.0 | A897524 |
| Cyanazine (Bladex) | ug/L | - | - | <1.0 | 1.0 | A897524 |
| Diazinon | ug/L | 20 | - | <1.0 | 1.0 | A897524 |
| Dicamba | ug/L | 110 | - | <1.0 | 1.0 | A897524 |
| Diclofop-methyl | ug/L | 9 | - | <0.90 | 0.90 | A897524 |
| Dimethoate | ug/L | 20 | - | <2.5 | 2.5 | A897524 |
| Dinoseb (DNBP) | ug/L | - | - | <1.0 | 1.0 | A897524 |
| Malathion | ug/L | 190 | - | <5.0 | 5.0 | A897524 |
| Metolachlor | ug/L | 50 | - | <0.50 | 0.50 | A897524 |
| Metribuzin (Sencor) | ug/L | 80 | - | <5.0 | 5.0 | A897524 |
| Parathion | ug/L | 50 | - | <1.0 | 1.0 | A897524 |
| Pentachlorophenol | ug/L | 60 | 30 | <0.50 | 0.50 | A897524 |
| Phorate (Thimet) | ug/L | 2 | - | <0.50 | 0.50 | A897524 |
| Picloram | ug/L | 190 | - | <5.0 | 5.0 | A897524 |
| Prometryn | ug/L | - | - | <0.25 | 0.25 | A897524 |
| Simazine | ug/L | 10 | - | <1.0 | 1.0 | A897524 |
| Terbufos | ug/L | 1 | - | <0.50 | 0.50 | A897524 |
| Triallate | ug/L | - | - | <1.0 | 1.0 | A897524 |
| Trifluralin | ug/L | 45 | - | <1.0 | 1.0 | A897524 |
| Methyl parathion | ug/L | - | - | <1.0 | 1.0 | A897524 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## SEMIVOLATILE ORGANICS BY GC-MS (WATER)

| **Bureau Veritas ID** | | | | BLM816 | | |
|---|---|---|---|---|---|---|
| **Sampling Date** | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Surrogate Recovery (%)** | | | | | | |
| D10-ANTHRACENE (sur.) | % | - | - | 105 | N/A | A875984 |
| D8-ACENAPHTHYLENE (sur.) | % | - | - | 6.6 (1) | N/A | A875984 |
| D8-NAPHTHALENE (sur.) | % | - | - | 92 | N/A | A875984 |
| TERPHENYL-D14 (sur.) | % | - | - | 129 | N/A | A875984 |
| 2,4,6-TRIBROMOPHENOL (sur.) | % | - | - | 134 | N/A | A879621 |
| 2,4-DIBROMOPHENOL (sur.) | % | - | - | 0.64 (2) | N/A | A879621 |
| 2,4,6-TRIBROMOPHENOL (sur.) | % | - | - | 95 | N/A | A897524 |
| 2,4-Dichlorophenyl Acetic Acid | % | - | - | 91 | N/A | A897524 |
| 2-Fluorobiphenyl | % | - | - | 89 | N/A | A897524 |
| D14-Terphenyl (FS) | % | - | - | 105 | N/A | A897524 |
| D5-NITROBENZENE (sur.) | % | - | - | 90 | N/A | A897524 |

| | |
|---|---|
| No Fill | No Exceedance |
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RDL = Reportable Detection Limit

N/A = Not Applicable

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Surrogate recovery exceeds acceptance criteria due to matrix interference. Unable to reanalyze due to insufficient sample.



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## MERCURY BY COLD VAPOR (WATER)

| **Bureau Veritas ID** | | | BLM816 | | |
|---|---|---|---|---|---|
| **Sampling Date** | | | 2023/02/08 08:30 | | |
| **COC Number** | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Elements** | | | | | |
| Total Mercury (Hg) | ug/L | 1 | <0.0019 | 0.0019 | A877099 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## VOLATILE ORGANICS BY GC-MS (WATER)

| **Bureau Veritas ID** | | | | BLM816 | | |
|---|---|---|---|---|---|---|
| **Sampling Date** | | | | 2023/02/08 08:30 | | |
| **COC Number** | | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **AO** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Volatiles** | | | | | | |
| Total Trihalomethanes | ug/L | 100 | - | 14 | 1.3 | A875419 |
| Bromodichloromethane | ug/L | - | - | 1.3 | 0.50 | A877589 |
| Bromoform | ug/L | - | - | <0.50 | 0.50 | A877589 |
| Carbon tetrachloride | ug/L | 2 | - | <0.50 | 0.50 | A877589 |
| Chlorobenzene | ug/L | 80 | 30 | <0.50 | 0.50 | A877589 |
| Dibromochloromethane | ug/L | - | - | <1.0 | 1.0 | A877589 |
| Chloroform | ug/L | - | - | 13 | 0.50 | A877589 |
| 1,2-dichlorobenzene | ug/L | 200 | 3 | <0.50 | 0.50 | A877589 |
| 1,4-dichlorobenzene | ug/L | 5 | 1 | <0.50 | 0.50 | A877589 |
| 1,2-dichloroethane | ug/L | 5 | - | <0.50 | 0.50 | A877589 |
| 1,1-dichloroethene | ug/L | 14 | - | <0.50 | 0.50 | A877589 |
| Dichloromethane | ug/L | 50 | - | <2.0 | 2.0 | A877589 |
| Methyl-tert-butylether (MTBE) | ug/L | - | 15 | <0.50 | 0.50 | A877589 |
| Tetrachloroethene | ug/L | 10 | - | <0.50 | 0.50 | A877589 |
| Trichloroethene | ug/L | 5 | - | <0.20 | 0.20 | A877589 |
| Trichlorofluoromethane | ug/L | - | - | <0.50 | 0.50 | A877589 |
| Vinyl chloride | ug/L | 2 | - | <0.50 | 0.50 | A877589 |
| **Surrogate Recovery (%)** | | | | | | |
| 1,4-Difluorobenzene (sur.) | % | - | - | 96 | N/A | A877589 |
| 4-Bromofluorobenzene (sur.) | % | - | - | 98 | N/A | A877589 |
| D4-1,2-Dichloroethane (sur.) | % | - | - | 100 | N/A | A877589 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

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N/A = Not Applicable



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## PESTICIDES & HERBICIDES BY HPLC (WATER)

| **Bureau Veritas ID** | | | BLM816 | | |
|---|---|---|---|---|---|
| **Sampling Date** | | | 2023/02/08 08:30 | | |
| **COC Number** | | | 1 of 1 | | |
| | **UNITS** | **MAC** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Pesticides & Herbicides** | | | | | |
| Diuron | ug/L | 150 | <10 | 10 | A886466 |
| Glyphosate | ug/L | 280 | <10 | 10 | A886468 |
| Guthion (Azinphos-methyl) | ug/L | - | <2.0 | 2.0 | A886466 |
| Temephos | ug/L | - | <10 | 10 | A886466 |

| | |
|---|---|
| No Fill | No Exceedance |
| Grey | Exceeds 1 criteria policy/level |
| Black | Exceeds both criteria/levels |

RDL = Reportable Detection Limit



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Bureau Veritas Job #: C309067
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DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

| **Bureau Veritas ID** | | BLM816 | | |
|---|---|---|---|---|
| **Sampling Date** | | 2023/02/08 08:30 | | |
| **COC Number** | | 1 of 1 | | |
| | **UNITS** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| **Calculated Parameters** | | | | |
| Aldrin + Dieldrin | ug/L | <0.005 | 0.005 | A897523 |
| Chlordane (Total) | ug/L | <0.005 | 0.005 | A897523 |
| DDT + Metabolites | ug/L | <0.005 | 0.005 | A897523 |
| Heptachlor + Heptachlor epoxide | ug/L | <0.005 | 0.005 | A897523 |
| o,p-DDD + p,p-DDD | ug/L | <0.005 | 0.005 | A897523 |
| o,p-DDE + p,p-DDE | ug/L | <0.005 | 0.005 | A897523 |
| o,p-DDT + p,p-DDT | ug/L | <0.005 | 0.005 | A897523 |
| Total Endosulfan | ug/L | <0.005 | 0.005 | A897523 |
| Total PCB | ug/L | <0.05 | 0.05 | A897523 |
| **Pesticides & Herbicides** | | | | |
| a-BHC | ug/L | <0.005 | 0.005 | A897522 |
| a-Chlordane | ug/L | <0.005 | 0.005 | A897522 |
| b-BHC | ug/L | <0.005 | 0.005 | A897522 |
| d-BHC | ug/L | <0.005 | 0.005 | A897522 |
| Endosulfan I | ug/L | <0.005 | 0.005 | A897522 |
| Endosulfan II | ug/L | <0.005 | 0.005 | A897522 |
| Endosulfan Sulfate | ug/L | <0.005 | 0.005 | A897522 |
| Endrin | ug/L | <0.005 | 0.005 | A897522 |
| Endrin Aldehyde | ug/L | <0.005 | 0.005 | A897522 |
| Endrin ketone | ug/L | <0.005 | 0.005 | A897522 |
| Hexachlorobenzene | ug/L | <0.005 | 0.005 | A897522 |
| Mirex | ug/L | <0.005 | 0.005 | A897522 |
| o,p'-DDT | ug/L | <0.005 | 0.005 | A897522 |
| Octachlorostyrene | ug/L | <0.005 | 0.005 | A897522 |
| Toxaphene | ug/L | <0.2 | 0.2 | A897522 |
| Lindane | ug/L | <0.003 | 0.003 | A897522 |
| Heptachlor | ug/L | <0.005 | 0.005 | A897522 |
| Aldrin | ug/L | <0.005 | 0.005 | A897522 |
| Heptachlor Epoxide | ug/L | <0.005 | 0.005 | A897522 |
| Oxychlordane | ug/L | <0.005 | 0.005 | A897522 |
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Bureau Veritas Job #: C309067
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DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

| **Bureau Veritas ID** | | BLM816 | | |
|---|---|---|---|---|
| **Sampling Date** | | 2023/02/08 08:30 | | |
| **COC Number** | | 1 of 1 | | |
| | **UNITS** | **DV TREATED DISTRO** | **RDL** | **QC Batch** |
| g-Chlordane | ug/L | <0.005 | 0.005 | A897522 |
| Dieldrin | ug/L | <0.005 | 0.005 | A897522 |
| o,p'-DDE | ug/L | <0.005 | 0.005 | A897522 |
| p,p'-DDE | ug/L | <0.005 | 0.005 | A897522 |
| o,p'-DDD | ug/L | <0.005 | 0.005 | A897522 |
| p,p'-DDD | ug/L | <0.005 | 0.005 | A897522 |
| p,p'-DDT | ug/L | <0.005 | 0.005 | A897522 |
| Methoxychlor | ug/L | <0.01 | 0.01 | A897522 |
| Aroclor 1016 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1221 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1232 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1242 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1248 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1254 | ug/L | <0.05 | 0.05 | A897522 |
| Aroclor 1260 | ug/L | <0.05 | 0.05 | A897522 |
| **Surrogate Recovery (%)** | | | | |
| 2,4,5,6-Tetrachloro-m-xylene | % | 68 | N/A | A897522 |
| Decachlorobiphenyl | % | 76 | N/A | A897522 |

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N/A = Not Applicable



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## GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

| | |
|---|---|
| Package 1 | 1.7°C |
| Package 2 | 4.0°C |

MAC,AO,OG: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, September 2020.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.
4. To ensure effectiveness of disinfection and for good operation of the distribution system, it is recommended that water entering the distribution system have turbidity levels of 1.0 NTU or less.
Measurement of Uncertainty has not been accounted for when stating conformity to the selected criteria, where applicable.

**Results relate only to the items tested.**



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## QUALITY ASSURANCE REPORT

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| A875983 | VP4 | Spiked Blank | O-TERPHENYL (sur.) | 2023/02/09 | | 96 | % | 60 - 140 |
| | | | F2 (C10-C16 Hydrocarbons) | 2023/02/09 | | 91 | % | 60 - 140 |
| | | | F3 (C16-C34 Hydrocarbons) | 2023/02/09 | | 101 | % | 60 - 140 |
| | | | F4 (C34-C50 Hydrocarbons) | 2023/02/09 | | 97 | % | 60 - 140 |
| A875983 | VP4 | Method Blank | O-TERPHENYL (sur.) | 2023/02/09 | | 94 | % | 60 - 140 |
| | | | F2 (C10-C16 Hydrocarbons) | 2023/02/09 | <0.10 | | mg/L | |
| | | | F3 (C16-C34 Hydrocarbons) | 2023/02/09 | <0.10 | | mg/L | |
| | | | F4 (C34-C50 Hydrocarbons) | 2023/02/09 | <0.20 | | mg/L | |
| A875984 | NK3 | Spiked Blank | D10-ANTHRACENE (sur.) | 2023/02/09 | | 119 | % | 50 - 130 |
| | | | D8-ACENAPHTHYLENE (sur.) | 2023/02/09 | | 113 | % | 50 - 130 |
| | | | D8-NAPHTHALENE (sur.) | 2023/02/09 | | 73 | % | 50 - 130 |
| | | | TERPHENYL-D14 (sur.) | 2023/02/09 | | 128 | % | 50 - 130 |
| | | | Acenaphthene | 2023/02/09 | | 87 | % | 50 - 130 |
| | | | Acenaphthylene | 2023/02/09 | | 89 | % | 50 - 130 |
| | | | Acridine | 2023/02/09 | | 97 | % | 50 - 130 |
| | | | Anthracene | 2023/02/09 | | 98 | % | 50 - 130 |
| | | | Benzo(a)anthracene | 2023/02/09 | | 107 | % | 50 - 130 |
| | | | Benzo(b&j)fluoranthene | 2023/02/09 | | 102 | % | 50 - 130 |
| | | | Benzo(k)fluoranthene | 2023/02/09 | | 104 | % | 50 - 130 |
| | | | Benzo(g,h,i)perylene | 2023/02/09 | | 104 | % | 50 - 130 |
| | | | Benzo(c)phenanthrene | 2023/02/09 | | 108 | % | 50 - 130 |
| | | | Benzo(a)pyrene | 2023/02/09 | | 103 | % | 50 - 130 |
| | | | Benzo(e)pyrene | 2023/02/09 | | 97 | % | 50 - 130 |
| | | | Chrysene | 2023/02/09 | | 100 | % | 50 - 130 |
| | | | Dibenz(a,h)anthracene | 2023/02/09 | | 105 | % | 50 - 130 |
| | | | Fluoranthene | 2023/02/09 | | 103 | % | 50 - 130 |
| | | | Fluorene | 2023/02/09 | | 93 | % | 50 - 130 |
| | | | Indeno(1,2,3-cd)pyrene | 2023/02/09 | | 107 | % | 50 - 130 |
| | | | 1-Methylnaphthalene | 2023/02/09 | | 60 | % | 50 - 130 |
| | | | 2-Methylnaphthalene | 2023/02/09 | | 73 | % | 50 - 130 |
| | | | Naphthalene | 2023/02/09 | | 79 | % | 50 - 130 |
| | | | Phenanthrene | 2023/02/09 | | 100 | % | 50 - 130 |
| | | | Perylene | 2023/02/09 | | 98 | % | 50 - 130 |
| | | | Pyrene | 2023/02/09 | | 103 | % | 50 - 130 |
| | | | Quinoline | 2023/02/09 | | 85 | % | 50 - 130 |
| A875984 | NK3 | Method Blank | D10-ANTHRACENE (sur.) | 2023/02/09 | | 103 | % | 50 - 130 |
| | | | D8-ACENAPHTHYLENE (sur.) | 2023/02/09 | | 99 | % | 50 - 130 |
| | | | D8-NAPHTHALENE (sur.) | 2023/02/09 | | 64 | % | 50 - 130 |
| | | | TERPHENYL-D14 (sur.) | 2023/02/09 | | 109 | % | 50 - 130 |
| | | | Acenaphthene | 2023/02/09 | <0.10 | | ug/L | |
| | | | Acenaphthylene | 2023/02/09 | <0.10 | | ug/L | |
| | | | Acridine | 2023/02/09 | <0.040 | | ug/L | |
| | | | Anthracene | 2023/02/09 | <0.010 | | ug/L | |
| | | | Benzo(a)anthracene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | Benzo(b&j)fluoranthene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | Benzo(k)fluoranthene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | Benzo(g,h,i)perylene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | Benzo(c)phenanthrene | 2023/02/09 | <0.050 | | ug/L | |
| | | | Benzo(a)pyrene | 2023/02/09 | <0.0075 | | ug/L | |
| | | | Benzo(e)pyrene | 2023/02/09 | <0.050 | | ug/L | |
| | | | Chrysene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | Dibenz(a,h)anthracene | 2023/02/09 | <0.0075 | | ug/L | |
| | | | Fluoranthene | 2023/02/09 | <0.010 | | ug/L | |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Fluorene | 2023/02/09 | <0.050 | | ug/L | |
| | | | Indeno(1,2,3-cd)pyrene | 2023/02/09 | <0.0085 | | ug/L | |
| | | | 1-Methylnaphthalene | 2023/02/09 | <0.10 | | ug/L | |
| | | | 2-Methylnaphthalene | 2023/02/09 | <0.10 | | ug/L | |
| | | | Naphthalene | 2023/02/09 | <0.10 | | ug/L | |
| | | | Phenanthrene | 2023/02/09 | <0.050 | | ug/L | |
| | | | Perylene | 2023/02/09 | <0.050 | | ug/L | |
| | | | Pyrene | 2023/02/09 | <0.020 | | ug/L | |
| | | | Quinoline | 2023/02/09 | <0.20 | | ug/L | |
| A877099 | KKM | Matrix Spike | Total Mercury (Hg) | 2023/02/09 | | 101 | % | 80 - 120 |
| A877099 | KKM | Spiked Blank | Total Mercury (Hg) | 2023/02/09 | | 101 | % | 80 - 120 |
| A877099 | KKM | Method Blank | Total Mercury (Hg) | 2023/02/09 | <0.0019 | | ug/L | |
| A877099 | KKM | RPD | Total Mercury (Hg) | 2023/02/09 | NC | | % | 20 |
| A877224 | HE1 | Matrix Spike [BLM816-04] | Free Chlorine | 2023/02/09 | | 86 | % | 80 - 120 |
| A877224 | HE1 | Spiked Blank | Free Chlorine | 2023/02/09 | | 97 | % | 80 - 120 |
| A877224 | HE1 | Method Blank | Free Chlorine | 2023/02/09 | <0.020 | | mg/L | |
| A877224 | HE1 | RPD [BLM816-04] | Free Chlorine | 2023/02/09 | 1.2 | | % | 20 |
| A877227 | HE1 | Matrix Spike [BLM816-04] | Total Chlorine | 2023/02/09 | | 91 | % | 80 - 120 |
| A877227 | HE1 | Spiked Blank | Total Chlorine | 2023/02/09 | | 99 | % | 80 - 120 |
| A877227 | HE1 | Method Blank | Total Chlorine | 2023/02/09 | <0.020 | | mg/L | |
| A877227 | HE1 | RPD [BLM816-04] | Total Chlorine | 2023/02/09 | 1.2 | | % | 20 |
| A877275 | SKP | Matrix Spike | Total Dissolved Solids | 2023/02/09 | | 110 | % | 80 - 120 |
| A877275 | SKP | Spiked Blank | Total Dissolved Solids | 2023/02/09 | | 102 | % | 80 - 120 |
| A877275 | SKP | Method Blank | Total Dissolved Solids | 2023/02/09 | <10 | | mg/L | |
| A877275 | SKP | RPD | Total Dissolved Solids | 2023/02/09 | 1.7 | | % | 20 |
| A877288 | TMU | Matrix Spike | Strong Acid Dissoc. Cyanide (CN) | 2023/02/10 | | 89 | % | 80 - 120 |
| A877288 | TMU | Spiked Blank | Strong Acid Dissoc. Cyanide (CN) | 2023/02/10 | | 100 | % | 80 - 120 |
| A877288 | TMU | Method Blank | Strong Acid Dissoc. Cyanide (CN) | 2023/02/10 | <0.00050 | | mg/L | |
| A877288 | TMU | RPD | Strong Acid Dissoc. Cyanide (CN) | 2023/02/10 | NC | | % | 20 |
| A877305 | NHE | Matrix Spike | Total Sulphide | 2023/02/09 | | 111 | % | 80 - 120 |
| A877305 | NHE | Spiked Blank | Total Sulphide | 2023/02/09 | | 98 | % | 80 - 120 |
| A877305 | NHE | Method Blank | Total Sulphide | 2023/02/09 | <0.0018 | | mg/L | |
| A877305 | NHE | RPD | Total Sulphide | 2023/02/09 | NC | | % | 20 |
| A877503 | SKP | Spiked Blank | Turbidity | 2023/02/09 | | 101 | % | 80 - 120 |
| A877503 | SKP | Method Blank | Turbidity | 2023/02/09 | <0.10 | | NTU | |
| A877503 | SKP | RPD [BLM816-03] | Turbidity | 2023/02/09 | 6.7 | | % | 20 |
| A877589 | QW1 | Matrix Spike [BLM816-17] | 1,4-Difluorobenzene (sur.) | 2023/02/13 | | 104 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/13 | | 103 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/13 | | 97 | % | 50 - 140 |
| | | | Bromodichloromethane | 2023/02/13 | | 99 | % | 50 - 140 |
| | | | Bromoform | 2023/02/13 | | 96 | % | 50 - 140 |
| | | | Carbon tetrachloride | 2023/02/13 | | 91 | % | 50 - 140 |
| | | | Chlorobenzene | 2023/02/13 | | 91 | % | 50 - 140 |
| | | | Dibromochloromethane | 2023/02/13 | | 98 | % | 50 - 140 |
| | | | Chloroform | 2023/02/13 | | 86 | % | 50 - 140 |
| | | | 1,2-dichlorobenzene | 2023/02/13 | | 99 | % | 50 - 140 |
| | | | 1,4-dichlorobenzene | 2023/02/13 | | 94 | % | 50 - 140 |
| | | | 1,2-dichloroethane | 2023/02/13 | | 94 | % | 50 - 140 |
| | | | 1,1-dichloroethene | 2023/02/13 | | 89 | % | 50 - 140 |
| | | | Dichloromethane | 2023/02/13 | | 87 | % | 50 - 140 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Methyl-tert-butylether (MTBE) | 2023/02/13 | | 91 | % | 50 - 140 |
| | | | Tetrachloroethene | 2023/02/13 | | 80 | % | 50 - 140 |
| | | | Trichloroethene | 2023/02/13 | | 97 | % | 50 - 140 |
| | | | Trichlorofluoromethane | 2023/02/13 | | 88 | % | 50 - 140 |
| | | | Vinyl chloride | 2023/02/13 | | 102 | % | 50 - 140 |
| A877589 | QW1 | Spiked Blank | 1,4-Difluorobenzene (sur.) | 2023/02/13 | | 104 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/13 | | 106 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/13 | | 95 | % | 50 - 140 |
| | | | Bromodichloromethane | 2023/02/13 | | 99 | % | 60 - 130 |
| | | | Bromoform | 2023/02/13 | | 93 | % | 60 - 130 |
| | | | Carbon tetrachloride | 2023/02/13 | | 93 | % | 60 - 130 |
| | | | Chlorobenzene | 2023/02/13 | | 90 | % | 60 - 130 |
| | | | Dibromochloromethane | 2023/02/13 | | 96 | % | 60 - 130 |
| | | | Chloroform | 2023/02/13 | | 88 | % | 60 - 130 |
| | | | 1,2-dichlorobenzene | 2023/02/13 | | 100 | % | 60 - 130 |
| | | | 1,4-dichlorobenzene | 2023/02/13 | | 95 | % | 60 - 130 |
| | | | 1,2-dichloroethane | 2023/02/13 | | 93 | % | 60 - 130 |
| | | | 1,1-dichloroethene | 2023/02/13 | | 88 | % | 60 - 130 |
| | | | Dichloromethane | 2023/02/13 | | 85 | % | 60 - 130 |
| | | | Methyl-tert-butylether (MTBE) | 2023/02/13 | | 90 | % | 60 - 130 |
| | | | Tetrachloroethene | 2023/02/13 | | 79 | % | 60 - 130 |
| | | | Trichloroethene | 2023/02/13 | | 98 | % | 60 - 130 |
| | | | Trichlorofluoromethane | 2023/02/13 | | 86 | % | 60 - 130 |
| | | | Vinyl chloride | 2023/02/13 | | 93 | % | 60 - 130 |
| A877589 | QW1 | Method Blank | 1,4-Difluorobenzene (sur.) | 2023/02/13 | | 95 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/13 | | 98 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/13 | | 106 | % | 50 - 140 |
| | | | Bromodichloromethane | 2023/02/13 | <0.50 | | ug/L | |
| | | | Bromoform | 2023/02/13 | <0.50 | | ug/L | |
| | | | Carbon tetrachloride | 2023/02/13 | <0.50 | | ug/L | |
| | | | Chlorobenzene | 2023/02/13 | <0.50 | | ug/L | |
| | | | Dibromochloromethane | 2023/02/13 | <1.0 | | ug/L | |
| | | | Chloroform | 2023/02/13 | <0.50 | | ug/L | |
| | | | 1,2-dichlorobenzene | 2023/02/13 | <0.50 | | ug/L | |
| | | | 1,4-dichlorobenzene | 2023/02/13 | <0.50 | | ug/L | |
| | | | 1,2-dichloroethane | 2023/02/13 | <0.50 | | ug/L | |
| | | | 1,1-dichloroethene | 2023/02/13 | <0.50 | | ug/L | |
| | | | Dichloromethane | 2023/02/13 | <2.0 | | ug/L | |
| | | | Methyl-tert-butylether (MTBE) | 2023/02/13 | <0.50 | | ug/L | |
| | | | Tetrachloroethene | 2023/02/13 | <0.50 | | ug/L | |
| | | | Trichloroethene | 2023/02/13 | <0.20 | | ug/L | |
| | | | Trichlorofluoromethane | 2023/02/13 | <0.50 | | ug/L | |
| | | | Vinyl chloride | 2023/02/13 | <0.50 | | ug/L | |
| A877589 | QW1 | RPD | Bromodichloromethane | 2023/02/13 | 0.21 | | % | 30 |
| | | | Bromoform | 2023/02/13 | NC | | % | 30 |
| | | | Carbon tetrachloride | 2023/02/13 | NC | | % | 30 |
| | | | Chlorobenzene | 2023/02/13 | NC | | % | 30 |
| | | | Dibromochloromethane | 2023/02/13 | NC | | % | 30 |
| | | | Chloroform | 2023/02/13 | 0.52 | | % | 30 |
| | | | 1,2-dichlorobenzene | 2023/02/13 | NC | | % | 30 |
| | | | 1,4-dichlorobenzene | 2023/02/13 | NC | | % | 30 |
| | | | 1,2-dichloroethane | 2023/02/13 | NC | | % | 30 |
| | | | 1,1-dichloroethene | 2023/02/13 | NC | | % | 30 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Dichloromethane | 2023/02/13 | NC | | % | 30 |
| | | | Methyl-tert-butylether (MTBE) | 2023/02/13 | NC | | % | 30 |
| | | | Tetrachloroethene | 2023/02/13 | NC | | % | 30 |
| | | | Trichloroethene | 2023/02/13 | NC | | % | 30 |
| | | | Trichlorofluoromethane | 2023/02/13 | NC | | % | 30 |
| | | | Vinyl chloride | 2023/02/13 | NC | | % | 30 |
| A877619 | DO1 | Matrix Spike | 1,4-Difluorobenzene (sur.) | 2023/02/14 | | 101 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/14 | | 100 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/14 | | 108 | % | 50 - 140 |
| | | | Benzene | 2023/02/14 | | 102 | % | 50 - 140 |
| | | | Toluene | 2023/02/14 | | 96 | % | 50 - 140 |
| | | | Ethylbenzene | 2023/02/14 | | 96 | % | 50 - 140 |
| | | | m & p-Xylene | 2023/02/14 | | 93 | % | 50 - 140 |
| | | | o-Xylene | 2023/02/14 | | 96 | % | 50 - 140 |
| | | | F1 (C6-C10) | 2023/02/14 | | 107 | % | 60 - 140 |
| A877619 | DO1 | Spiked Blank | 1,4-Difluorobenzene (sur.) | 2023/02/14 | | 102 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/14 | | 99 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/14 | | 108 | % | 50 - 140 |
| | | | Benzene | 2023/02/14 | | 103 | % | 60 - 130 |
| | | | Toluene | 2023/02/14 | | 96 | % | 60 - 130 |
| | | | Ethylbenzene | 2023/02/14 | | 97 | % | 60 - 130 |
| | | | m & p-Xylene | 2023/02/14 | | 93 | % | 60 - 130 |
| | | | o-Xylene | 2023/02/14 | | 96 | % | 60 - 130 |
| | | | F1 (C6-C10) | 2023/02/14 | | 93 | % | 60 - 140 |
| A877619 | DO1 | Method Blank | 1,4-Difluorobenzene (sur.) | 2023/02/14 | | 103 | % | 50 - 140 |
| | | | 4-Bromofluorobenzene (sur.) | 2023/02/14 | | 99 | % | 50 - 140 |
| | | | D4-1,2-Dichloroethane (sur.) | 2023/02/14 | | 110 | % | 50 - 140 |
| | | | Benzene | 2023/02/14 | <0.40 | | ug/L | |
| | | | Toluene | 2023/02/14 | <0.40 | | ug/L | |
| | | | Ethylbenzene | 2023/02/14 | <0.40 | | ug/L | |
| | | | m & p-Xylene | 2023/02/14 | <0.80 | | ug/L | |
| | | | o-Xylene | 2023/02/14 | <0.40 | | ug/L | |
| | | | F1 (C6-C10) | 2023/02/14 | <100 | | ug/L | |
| A877619 | DO1 | RPD | Benzene | 2023/02/15 | 4.3 | | % | 30 |
| | | | Toluene | 2023/02/15 | 0.30 | | % | 30 |
| | | | Ethylbenzene | 2023/02/15 | 1.6 | | % | 30 |
| | | | m & p-Xylene | 2023/02/15 | 3.5 | | % | 30 |
| | | | o-Xylene | 2023/02/15 | NC | | % | 30 |
| | | | F1 (C6-C10) | 2023/02/15 | 19 | | % | 30 |
| A878008 | JLD | Matrix Spike | Bromate | 2023/02/10 | | 121 (1) | % | 80 - 120 |
| A878008 | JLD | Spiked Blank | Bromate | 2023/02/10 | | 106 | % | 80 - 120 |
| A878008 | JLD | Method Blank | Bromate | 2023/02/10 | <0.0095 | | mg/L | |
| A878008 | JLD | RPD | Bromate | 2023/02/10 | NC | | % | 20 |
| A878012 | JLD | Matrix Spike [BLM816-10] | Chlorate (ClO3) | 2023/02/14 | | 98 | % | 80 - 120 |
| | | | Chlorite (ClO2) | 2023/02/14 | | 99 | % | 80 - 120 |
| A878012 | JLD | Spiked Blank | Chlorate (ClO3) | 2023/02/14 | | 98 | % | 80 - 120 |
| | | | Chlorite (ClO2) | 2023/02/14 | | 99 | % | 80 - 120 |
| A878012 | JLD | Method Blank | Chlorate (ClO3) | 2023/02/14 | <0.10 | | mg/L | |
| | | | Chlorite (ClO2) | 2023/02/14 | <0.10 | | mg/L | |
| A878012 | JLD | RPD [BLM816-10] | Chlorate (ClO3) | 2023/02/14 | 2.2 | | % | 20 |
| | | | Chlorite (ClO2) | 2023/02/14 | NC | | % | 20 |


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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| A878500 | MKJ | Matrix Spike [BLM816-06] | Total Aluminum (Al) | 2023/02/10 | | 100 | % | 80 - 120 |
| | | | Total Antimony (Sb) | 2023/02/10 | | 108 | % | 80 - 120 |
| | | | Total Arsenic (As) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Beryllium (Be) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Chromium (Cr) | 2023/02/10 | | 94 | % | 80 - 120 |
| | | | Total Cobalt (Co) | 2023/02/10 | | 94 | % | 80 - 120 |
| | | | Total Copper (Cu) | 2023/02/10 | | 93 | % | 80 - 120 |
| | | | Total Lead (Pb) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Molybdenum (Mo) | 2023/02/10 | | 101 | % | 80 - 120 |
| | | | Total Nickel (Ni) | 2023/02/10 | | 92 | % | 80 - 120 |
| | | | Total Selenium (Se) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Silver (Ag) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Thallium (Tl) | 2023/02/10 | | 99 | % | 80 - 120 |
| | | | Total Tin (Sn) | 2023/02/10 | | 101 | % | 80 - 120 |
| | | | Total Titanium (Ti) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Uranium (U) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Vanadium (V) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Zinc (Zn) | 2023/02/10 | | 95 | % | 80 - 120 |
| A878500 | MKJ | Spiked Blank | Total Aluminum (Al) | 2023/02/10 | | 93 | % | 80 - 120 |
| | | | Total Antimony (Sb) | 2023/02/10 | | 106 | % | 80 - 120 |
| | | | Total Arsenic (As) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Beryllium (Be) | 2023/02/10 | | 89 | % | 80 - 120 |
| | | | Total Chromium (Cr) | 2023/02/10 | | 95 | % | 80 - 120 |
| | | | Total Cobalt (Co) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Copper (Cu) | 2023/02/10 | | 94 | % | 80 - 120 |
| | | | Total Lead (Pb) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Molybdenum (Mo) | 2023/02/10 | | 99 | % | 80 - 120 |
| | | | Total Nickel (Ni) | 2023/02/10 | | 94 | % | 80 - 120 |
| | | | Total Selenium (Se) | 2023/02/10 | | 93 | % | 80 - 120 |
| | | | Total Silver (Ag) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Thallium (Tl) | 2023/02/10 | | 98 | % | 80 - 120 |
| | | | Total Tin (Sn) | 2023/02/10 | | 100 | % | 80 - 120 |
| | | | Total Titanium (Ti) | 2023/02/10 | | 99 | % | 80 - 120 |
| | | | Total Uranium (U) | 2023/02/10 | | 96 | % | 80 - 120 |
| | | | Total Vanadium (V) | 2023/02/10 | | 97 | % | 80 - 120 |
| | | | Total Zinc (Zn) | 2023/02/10 | | 97 | % | 80 - 120 |
| A878500 | MKJ | Method Blank | Total Aluminum (Al) | 2023/02/10 | <0.0030 | | mg/L | |
| | | | Total Antimony (Sb) | 2023/02/10 | <0.00060 | | mg/L | |
| | | | Total Arsenic (As) | 2023/02/10 | <0.00020 | | mg/L | |
| | | | Total Beryllium (Be) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Chromium (Cr) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Cobalt (Co) | 2023/02/10 | <0.00030 | | mg/L | |
| | | | Total Copper (Cu) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Lead (Pb) | 2023/02/10 | <0.00020 | | mg/L | |
| | | | Total Molybdenum (Mo) | 2023/02/10 | <0.00020 | | mg/L | |
| | | | Total Nickel (Ni) | 2023/02/10 | <0.00050 | | mg/L | |
| | | | Total Selenium (Se) | 2023/02/10 | <0.00020 | | mg/L | |
| | | | Total Silver (Ag) | 2023/02/10 | <0.00010 | | mg/L | |
| | | | Total Thallium (Tl) | 2023/02/10 | <0.00020 | | mg/L | |
| | | | Total Tin (Sn) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Titanium (Ti) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Uranium (U) | 2023/02/10 | <0.00010 | | mg/L | |



Bureau Veritas Calgary: 2021 - 41st Avenue N.E. T2E 6P2 Telephone (403) 291-3077 Fax (403) 291-9468

Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Total Vanadium (V) | 2023/02/10 | <0.0010 | | mg/L | |
| | | | Total Zinc (Zn) | 2023/02/10 | <0.0030 | | mg/L | |
| A878500 | MKJ | RPD | Total Aluminum (Al) | 2023/02/10 | 21 (1) | | % | 20 |
| | | | Total Antimony (Sb) | 2023/02/10 | 4.9 | | % | 20 |
| | | | Total Arsenic (As) | 2023/02/10 | 32 (1) | | % | 20 |
| | | | Total Chromium (Cr) | 2023/02/10 | 50 (1) | | % | 20 |
| | | | Total Cobalt (Co) | 2023/02/10 | 40 (1) | | % | 20 |
| | | | Total Copper (Cu) | 2023/02/10 | 7.0 | | % | 20 |
| | | | Total Lead (Pb) | 2023/02/10 | 1.3 | | % | 20 |
| | | | Total Molybdenum (Mo) | 2023/02/10 | 27 (1) | | % | 20 |
| | | | Total Nickel (Ni) | 2023/02/10 | 40 (1) | | % | 20 |
| | | | Total Selenium (Se) | 2023/02/10 | 19 | | % | 20 |
| | | | Total Silver (Ag) | 2023/02/10 | 72 (1) | | % | 20 |
| | | | Total Tin (Sn) | 2023/02/10 | 5.9 | | % | 20 |
| | | | Total Titanium (Ti) | 2023/02/10 | 37 (1) | | % | 20 |
| | | | Total Zinc (Zn) | 2023/02/10 | 3.1 | | % | 20 |
| A878504 | MPU | Matrix Spike | Total Barium (Ba) | 2023/02/10 | | 101 | % | 80 - 120 |
| | | | Total Boron (B) | 2023/02/10 | | 103 | % | 80 - 120 |
| | | | Total Calcium (Ca) | 2023/02/10 | | NC | % | 80 - 120 |
| | | | Total Iron (Fe) | 2023/02/10 | | 110 | % | 80 - 120 |
| | | | Total Lithium (Li) | 2023/02/10 | | 100 | % | 80 - 120 |
| | | | Total Magnesium (Mg) | 2023/02/10 | | 109 | % | 80 - 120 |
| | | | Total Manganese (Mn) | 2023/02/10 | | 110 | % | 80 - 120 |
| | | | Total Phosphorus (P) | 2023/02/10 | | 103 | % | 80 - 120 |
| | | | Total Potassium (K) | 2023/02/10 | | 102 | % | 80 - 120 |
| | | | Total Silicon (Si) | 2023/02/10 | | 102 | % | 80 - 120 |
| | | | Total Sodium (Na) | 2023/02/10 | | 106 | % | 80 - 120 |
| | | | Total Strontium (Sr) | 2023/02/10 | | 99 | % | 80 - 120 |
| | | | Total Sulphur (S) | 2023/02/10 | | 103 | % | 80 - 120 |
| A878504 | MPU | Spiked Blank | Total Barium (Ba) | 2023/02/10 | | 102 | % | 80 - 120 |
| | | | Total Boron (B) | 2023/02/10 | | 103 | % | 80 - 120 |
| | | | Total Calcium (Ca) | 2023/02/10 | | 103 | % | 80 - 120 |
| | | | Total Iron (Fe) | 2023/02/10 | | 112 | % | 80 - 120 |
| | | | Total Lithium (Li) | 2023/02/10 | | 102 | % | 80 - 120 |
| | | | Total Magnesium (Mg) | 2023/02/10 | | 109 | % | 80 - 120 |
| | | | Total Manganese (Mn) | 2023/02/10 | | 111 | % | 80 - 120 |
| | | | Total Phosphorus (P) | 2023/02/10 | | 106 | % | 80 - 120 |
| | | | Total Potassium (K) | 2023/02/10 | | 103 | % | 80 - 120 |
| | | | Total Silicon (Si) | 2023/02/10 | | 104 | % | 80 - 120 |
| | | | Total Sodium (Na) | 2023/02/10 | | 106 | % | 80 - 120 |
| | | | Total Strontium (Sr) | 2023/02/10 | | 100 | % | 80 - 120 |
| | | | Total Sulphur (S) | 2023/02/10 | | 105 | % | 80 - 120 |
| A878504 | MPU | Method Blank | Total Barium (Ba) | 2023/02/10 | <0.010 | | mg/L | |
| | | | Total Boron (B) | 2023/02/10 | <0.020 | | mg/L | |
| | | | Total Calcium (Ca) | 2023/02/10 | <0.30 | | mg/L | |
| | | | Total Iron (Fe) | 2023/02/10 | <0.060 | | mg/L | |
| | | | Total Lithium (Li) | 2023/02/10 | <0.020 | | mg/L | |
| | | | Total Magnesium (Mg) | 2023/02/10 | <0.20 | | mg/L | |
| | | | Total Manganese (Mn) | 2023/02/10 | <0.0040 | | mg/L | |
| | | | Total Phosphorus (P) | 2023/02/10 | <0.10 | | mg/L | |
| | | | Total Potassium (K) | 2023/02/10 | <0.30 | | mg/L | |
| | | | Total Silicon (Si) | 2023/02/10 | <0.50 | | mg/L | |
| | | | Total Sodium (Na) | 2023/02/10 | <0.50 | | mg/L | |



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Total Strontium (Sr) | 2023/02/10 | <0.020 | | mg/L | |
| | | | Total Sulphur (S) | 2023/02/10 | <0.20 | | mg/L | |
| A878504 | MPU | RPD | Total Manganese (Mn) | 2023/02/10 | 16 | | % | 20 |
| A879050 | ACR | Matrix Spike | Nitrite (N) | 2023/02/11 | | 97 | % | 80 - 120 |
| | | | Nitrate plus Nitrite (N) | 2023/02/11 | | 100 | % | 80 - 120 |
| A879050 | ACR | Spiked Blank | Nitrite (N) | 2023/02/10 | | 99 | % | 80 - 120 |
| | | | Nitrate plus Nitrite (N) | 2023/02/10 | | 101 | % | 80 - 120 |
| A879050 | ACR | Method Blank | Nitrite (N) | 2023/02/11 | <0.010 | | mg/L | |
| | | | Nitrate plus Nitrite (N) | 2023/02/11 | <0.010 | | mg/L | |
| A879050 | ACR | RPD | Nitrite (N) | 2023/02/11 | NC | | % | 20 |
| | | | Nitrate plus Nitrite (N) | 2023/02/11 | NC | | % | 20 |
| A879103 | GPJ | Matrix Spike | True Colour | 2023/02/11 | | 103 | % | 80 - 120 |
| A879103 | GPJ | Spiked Blank | True Colour | 2023/02/11 | | 95 | % | 80 - 120 |
| A879103 | GPJ | Method Blank | True Colour | 2023/02/11 | <2.0 | | PtCo units | |
| A879103 | GPJ | RPD | True Colour | 2023/02/11 | NC | | % | 20 |
| A879119 | ACR | Matrix Spike [BLM816-19] | Total Ammonia (N) | 2023/02/11 | | 95 | % | 80 - 120 |
| A879119 | ACR | Spiked Blank | Total Ammonia (N) | 2023/02/11 | | 102 | % | 80 - 120 |
| A879119 | ACR | Method Blank | Total Ammonia (N) | 2023/02/11 | <0.015 | | mg/L | |
| A879119 | ACR | RPD [BLM816-19] | Total Ammonia (N) | 2023/02/11 | NC | | % | 20 |
| A879621 | SJ1 | Spiked Blank | 2,4,6-TRIBROMOPHENOL (sur.) | 2023/02/13 | | 90 | % | 50 - 140 |
| | | | 2,4-DIBROMOPHENOL (sur.) | 2023/02/13 | | 85 | % | 50 - 140 |
| | | | 2,3,4,6-tetrachlorophenol | 2023/02/13 | | 106 | % | 50 - 140 |
| | | | 2,4,6-trichlorophenol | 2023/02/13 | | 94 | % | 50 - 140 |
| | | | 2,4-dichlorophenol | 2023/02/13 | | 86 | % | 50 - 140 |
| A879621 | SJ1 | Method Blank | 2,4,6-TRIBROMOPHENOL (sur.) | 2023/02/13 | | 89 | % | 50 - 140 |
| | | | 2,4-DIBROMOPHENOL (sur.) | 2023/02/13 | | 86 | % | 50 - 140 |
| | | | 2,3,4,6-tetrachlorophenol | 2023/02/13 | <0.00010 | | mg/L | |
| | | | 2,4,6-trichlorophenol | 2023/02/13 | <0.00010 | | mg/L | |
| | | | 2,4-dichlorophenol | 2023/02/13 | <0.00010 | | mg/L | |
| A879669 | AFI | Matrix Spike | Chloride (Cl) | 2023/02/12 | | 96 | % | 80 - 120 |
| A879669 | AFI | Spiked Blank | Chloride (Cl) | 2023/02/12 | | 100 | % | 80 - 120 |
| A879669 | AFI | Method Blank | Chloride (Cl) | 2023/02/12 | <1.0 | | mg/L | |
| A879669 | AFI | RPD | Chloride (Cl) | 2023/02/12 | 0.11 | | % | 20 |
| A879931 | JU2 | Spiked Blank | 2,4-Dichlorophenyl Acetic Acid | 2023/02/13 | | 81 | % | 50 - 140 |
| | | | MCPA | 2023/02/13 | | 87 | % | 50 - 140 |
| A879931 | JU2 | Method Blank | 2,4-Dichlorophenyl Acetic Acid | 2023/02/13 | | 85 | % | 50 - 140 |
| | | | MCPA | 2023/02/13 | <0.020 | | ug/L | |
| A880024 | TMU | Spiked Blank | pH | 2023/02/13 | | 100 | % | 97 - 103 |
| A880024 | TMU | RPD | pH | 2023/02/13 | 0.17 | | % | N/A |
| A880026 | TMU | Matrix Spike | Dissolved Fluoride (F) | 2023/02/13 | | 93 | % | 80 - 120 |
| A880026 | TMU | Spiked Blank | Dissolved Fluoride (F) | 2023/02/13 | | 92 | % | 80 - 120 |
| A880026 | TMU | Method Blank | Dissolved Fluoride (F) | 2023/02/13 | <0.050 | | mg/L | |
| A880026 | TMU | RPD | Dissolved Fluoride (F) | 2023/02/13 | 1.9 | | % | 20 |
| A883051 | é00 | Matrix Spike | 2,3-Dibromopropionic Acid | 2023/02/14 | | 104 | % | 70 - 130 |
| | | | 2,3-Dibromopropionic Acid | 2023/02/14 | | 104 | % | 70 - 130 |
| | | | Dalapon | 2023/02/14 | | 101 | % | 60 - 140 |
| | | | Dalapon | 2023/02/14 | | 101 | % | 60 - 140 |
| | | | Monochloroacetic Acid | 2023/02/14 | | 85 | % | 60 - 140 |
| | | | Monochloroacetic Acid | 2023/02/14 | | 85 | % | 60 - 140 |
| | | | Monobromoacetic Acid | 2023/02/14 | | 85 | % | 60 - 140 |
| | | | Monobromoacetic Acid | 2023/02/14 | | 85 | % | 60 - 140 |
| | | | Dichloroacetic Acid | 2023/02/14 | | 88 | % | 60 - 140 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Dichloroacetic Acid | 2023/02/14 | | 88 | % | 60 - 140 |
| | | | Trichloroacetic Acid | 2023/02/14 | | 90 | % | 60 - 140 |
| | | | Trichloroacetic Acid | 2023/02/14 | | 90 | % | 60 - 140 |
| | | | Bromochloroacetic Acid | 2023/02/14 | | 100 | % | 60 - 140 |
| | | | Bromochloroacetic Acid | 2023/02/14 | | 100 | % | 60 - 140 |
| | | | Dibromoacetic Acid | 2023/02/14 | | 130 | % | 60 - 140 |
| | | | Dibromoacetic Acid | 2023/02/14 | | 130 | % | 60 - 140 |
| A883051 | é00 | Spiked Blank | 2,3-Dibromopropionic Acid | 2023/02/14 | | 82 | % | 70 - 130 |
| | | | 2,3-Dibromopropionic Acid | 2023/02/14 | | 82 | % | 70 - 130 |
| | | | Dalapon | 2023/02/14 | | 85 | % | 70 - 130 |
| | | | Dalapon | 2023/02/14 | | 85 | % | 70 - 130 |
| | | | Monochloroacetic Acid | 2023/02/14 | | 91 | % | 70 - 130 |
| | | | Monochloroacetic Acid | 2023/02/14 | | 91 | % | 70 - 130 |
| | | | Monobromoacetic Acid | 2023/02/14 | | 91 | % | 70 - 130 |
| | | | Monobromoacetic Acid | 2023/02/14 | | 91 | % | 70 - 130 |
| | | | Dichloroacetic Acid | 2023/02/14 | | 88 | % | 70 - 130 |
| | | | Dichloroacetic Acid | 2023/02/14 | | 88 | % | 70 - 130 |
| | | | Trichloroacetic Acid | 2023/02/14 | | 80 | % | 70 - 130 |
| | | | Trichloroacetic Acid | 2023/02/14 | | 80 | % | 70 - 130 |
| | | | Bromochloroacetic Acid | 2023/02/14 | | 96 | % | 70 - 130 |
| | | | Bromochloroacetic Acid | 2023/02/14 | | 96 | % | 70 - 130 |
| | | | Dibromoacetic Acid | 2023/02/14 | | 120 | % | 70 - 130 |
| | | | Dibromoacetic Acid | 2023/02/14 | | 120 | % | 70 - 130 |
| A883051 | é00 | Method Blank | Dalapon | 2023/02/14 | <5.0 | | ug/L | |
| | | | Dalapon | 2023/02/14 | <5.0 | | ug/L | |
| | | | Monochloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Monochloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Monobromoacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Monobromoacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Dichloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Dichloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Trichloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Trichloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Bromochloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Bromochloroacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Dibromoacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Dibromoacetic Acid | 2023/02/14 | <5.0 | | ug/L | |
| | | | Total Haloacetic Acids | 2023/02/14 | <5.0 | | ug/L | |
| | | | Total Haloacetic Acids | 2023/02/14 | <5.0 | | ug/L | |
| A883051 | é00 | RPD | Dalapon | 2023/02/14 | NC | | % | 40 |
| | | | Monochloroacetic Acid | 2023/02/14 | NC | | % | 40 |
| | | | Monobromoacetic Acid | 2023/02/14 | NC | | % | 40 |
| | | | Dichloroacetic Acid | 2023/02/14 | 2.3 | | % | 40 |
| | | | Trichloroacetic Acid | 2023/02/14 | 1.7 | | % | 40 |
| | | | Bromochloroacetic Acid | 2023/02/14 | 0.25 | | % | 40 |
| | | | Dibromoacetic Acid | 2023/02/14 | NC | | % | 40 |
| | | | Total Haloacetic Acids | 2023/02/14 | 0.15 | | % | 40 |
| A886464 | éEY | Matrix Spike [BLM816-04] | Nitrilotriacetic acid | 2023/02/13 | | 98 | % | 80 - 120 |
| A886464 | éEY | Spiked Blank | Nitrilotriacetic acid | 2023/02/13 | | 99 | % | 80 - 120 |
| A886464 | éEY | Method Blank | Nitrilotriacetic acid | 2023/02/13 | <0.050 | | mg/L | |
| A886466 | KIH | Matrix Spike | Guthion (Azinphos-methyl) | 2023/02/16 | | 67 | % | 40 - 130 |
| | | | Temephos | 2023/02/16 | | 30 (2) | % | 40 - 130 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Diuron | 2023/02/16 | | 94 | % | 40 - 130 |
| A886466 | KIH | Spiked Blank | Guthion (Azinphos-methyl) | 2023/02/16 | | 99 | % | 40 - 130 |
| | | | Temephos | 2023/02/16 | | 84 | % | 40 - 130 |
| | | | Diuron | 2023/02/16 | | 91 | % | 40 - 130 |
| A886466 | KIH | Method Blank | Guthion (Azinphos-methyl) | 2023/02/16 | <2.0 | | ug/L | |
| | | | Temephos | 2023/02/16 | <10 | | ug/L | |
| | | | Diuron | 2023/02/16 | <10 | | ug/L | |
| A886468 | éC0 | Matrix Spike | Glyphosate | 2023/02/15 | | 103 | % | 50 - 130 |
| A886468 | éC0 | Spiked Blank | Glyphosate | 2023/02/15 | | 102 | % | 50 - 130 |
| A886468 | éC0 | Method Blank | Glyphosate | 2023/02/15 | <10 | | ug/L | |
| A887962 | MDO | Matrix Spike | Total Organic Carbon (C) | 2023/02/21 | | 89 | % | 80 - 120 |
| A887962 | MDO | Spiked Blank | Total Organic Carbon (C) | 2023/02/21 | | 105 | % | 80 - 120 |
| A887962 | MDO | Method Blank | Total Organic Carbon (C) | 2023/02/21 | <0.50 | | mg/L | |
| A887962 | MDO | RPD | Total Organic Carbon (C) | 2023/02/21 | 3.3 | | % | 20 |
| A888676 | éC0 | Matrix Spike | Paraquat | 2023/02/16 | | 112 | % | 50 - 130 |
| | | | Diquat | 2023/02/16 | | 115 | % | 50 - 130 |
| A888676 | éC0 | Spiked Blank | Paraquat | 2023/02/16 | | 102 | % | 50 - 130 |
| | | | Diquat | 2023/02/16 | | 112 | % | 50 - 130 |
| A888676 | éC0 | Method Blank | Paraquat | 2023/02/16 | <1.0 | | ug/L | |
| | | | Diquat | 2023/02/16 | <7.0 | | ug/L | |
| A888676 | éC0 | RPD [BLM816-01] | Paraquat | 2023/02/16 | NC | | % | 40 |
| | | | Diquat | 2023/02/16 | NC | | % | 40 |
| A897521 | CTC | Spiked Blank | D10-N-nitrosodiethylamine | 2023/02/22 | | 69 | % | 10 - 150 |
| | | | D14-N-Nitrosodi-n-propylamine | 2023/02/22 | | 69 | % | 10 - 150 |
| | | | D6-NDMA | 2023/02/22 | | 35 | % | 10 - 80 |
| | | | D8-N-Nitrosomorpholine | 2023/02/22 | | 56 | % | 10 - 150 |
| | | | N-Nitrosodimethylamine | 2023/02/22 | | 95 | % | 65 - 135 |
| A897521 | CTC | RPD | N-Nitrosodimethylamine | 2023/02/22 | 0.64 | | % | 25 |
| A897521 | CTC | Method Blank | D10-N-nitrosodiethylamine | 2023/02/22 | | 73 | % | 10 - 150 |
| | | | D14-N-Nitrosodi-n-propylamine | 2023/02/22 | | 73 | % | 10 - 150 |
| | | | D6-NDMA | 2023/02/22 | | 36 | % | 10 - 80 |
| | | | D8-N-Nitrosomorpholine | 2023/02/22 | | 60 | % | 10 - 150 |
| | | | N-Nitrosodimethylamine | 2023/02/22 | <2.0 | | ng/L | |
| A897522 | é00 | Matrix Spike | 2,4,5,6-Tetrachloro-m-xylene | 2023/02/15 | | 65 | % | 50 - 130 |
| | | | a-BHC | 2023/02/15 | | 71 | % | 30 - 130 |
| | | | a-Chlordane | 2023/02/15 | | 75 | % | 50 - 130 |
| | | | b-BHC | 2023/02/15 | | 67 | % | 30 - 130 |
| | | | d-BHC | 2023/02/15 | | 70 | % | 30 - 130 |
| | | | Decachlorobiphenyl | 2023/02/15 | | 69 | % | 50 - 130 |
| | | | Endosulfan I | 2023/02/15 | | 74 | % | 50 - 130 |
| | | | Endosulfan II | 2023/02/15 | | 71 | % | 50 - 130 |
| | | | Endosulfan Sulfate | 2023/02/15 | | 78 | % | 30 - 130 |
| | | | Endrin | 2023/02/15 | | 75 | % | 50 - 130 |
| | | | Endrin Aldehyde | 2023/02/15 | | 62 | % | 30 - 130 |
| | | | Endrin ketone | 2023/02/15 | | 74 | % | 30 - 130 |
| | | | Hexachlorobenzene | 2023/02/15 | | 72 | % | 50 - 130 |
| | | | Mirex | 2023/02/15 | | 71 | % | 30 - 130 |
| | | | o,p'-DDT | 2023/02/15 | | 80 | % | 50 - 130 |
| | | | Octachlorostyrene | 2023/02/15 | | 71 | % | 30 - 130 |
| | | | Lindane | 2023/02/15 | | 74 | % | 50 - 130 |
| | | | Heptachlor | 2023/02/15 | | 78 | % | 50 - 130 |
| | | | Aldrin | 2023/02/15 | | 76 | % | 50 - 130 |
| | | | Heptachlor Epoxide | 2023/02/15 | | 76 | % | 50 - 130 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Oxychlordane | 2023/02/15 | | 69 | % | 30 - 130 |
| | | | g-Chlordane | 2023/02/15 | | 75 | % | 50 - 130 |
| | | | Dieldrin | 2023/02/15 | | 84 | % | 50 - 130 |
| | | | o,p'-DDE | 2023/02/15 | | 76 | % | 50 - 130 |
| | | | p,p'-DDE | 2023/02/15 | | 81 | % | 50 - 130 |
| | | | o,p'-DDD | 2023/02/15 | | 82 | % | 50 - 130 |
| | | | p,p'-DDD | 2023/02/15 | | 74 | % | 50 - 130 |
| | | | p,p'-DDT | 2023/02/15 | | 85 | % | 50 - 130 |
| | | | Methoxychlor | 2023/02/15 | | 82 | % | 50 - 130 |
| A897522 | é00 | Spiked Blank | 2,4,5,6-Tetrachloro-m-xylene | 2023/02/15 | | 67 | % | 50 - 130 |
| | | | a-BHC | 2023/02/15 | | 87 | % | 30 - 130 |
| | | | a-Chlordane | 2023/02/15 | | 87 | % | 50 - 130 |
| | | | b-BHC | 2023/02/15 | | 79 | % | 30 - 130 |
| | | | d-BHC | 2023/02/15 | | 81 | % | 30 - 130 |
| | | | Decachlorobiphenyl | 2023/02/15 | | 76 | % | 50 - 130 |
| | | | Endosulfan I | 2023/02/15 | | 90 | % | 50 - 130 |
| | | | Endosulfan II | 2023/02/15 | | 84 | % | 50 - 130 |
| | | | Endosulfan Sulfate | 2023/02/15 | | 84 | % | 30 - 130 |
| | | | Endrin | 2023/02/15 | | 90 | % | 50 - 130 |
| | | | Endrin Aldehyde | 2023/02/15 | | 73 | % | 30 - 130 |
| | | | Endrin ketone | 2023/02/15 | | 79 | % | 30 - 130 |
| | | | Hexachlorobenzene | 2023/02/15 | | 77 | % | 50 - 130 |
| | | | Mirex | 2023/02/15 | | 78 | % | 30 - 130 |
| | | | o,p'-DDT | 2023/02/15 | | 83 | % | 50 - 130 |
| | | | Octachlorostyrene | 2023/02/15 | | 75 | % | 30 - 130 |
| | | | Lindane | 2023/02/15 | | 88 | % | 50 - 130 |
| | | | Heptachlor | 2023/02/15 | | 76 | % | 50 - 130 |
| | | | Aldrin | 2023/02/15 | | 65 | % | 50 - 130 |
| | | | Heptachlor Epoxide | 2023/02/15 | | 86 | % | 50 - 130 |
| | | | Oxychlordane | 2023/02/15 | | 82 | % | 30 - 130 |
| | | | g-Chlordane | 2023/02/15 | | 88 | % | 50 - 130 |
| | | | Dieldrin | 2023/02/15 | | 98 | % | 50 - 130 |
| | | | o,p'-DDE | 2023/02/15 | | 86 | % | 50 - 130 |
| | | | p,p'-DDE | 2023/02/15 | | 88 | % | 50 - 130 |
| | | | o,p'-DDD | 2023/02/15 | | 89 | % | 50 - 130 |
| | | | p,p'-DDD | 2023/02/15 | | 88 | % | 50 - 130 |
| | | | p,p'-DDT | 2023/02/15 | | 83 | % | 50 - 130 |
| | | | Methoxychlor | 2023/02/15 | | 83 | % | 50 - 130 |
| A897522 | é00 | RPD | a-BHC | 2023/02/15 | 0.77 | | % | 40 |
| | | | a-Chlordane | 2023/02/15 | 1.6 | | % | 30 |
| | | | b-BHC | 2023/02/15 | 1.1 | | % | 40 |
| | | | d-BHC | 2023/02/15 | 1.5 | | % | 40 |
| | | | Endosulfan I | 2023/02/15 | 4.5 | | % | 30 |
| | | | Endosulfan II | 2023/02/15 | 2.1 | | % | 30 |
| | | | Endosulfan Sulfate | 2023/02/15 | 4.4 | | % | 40 |
| | | | Endrin | 2023/02/15 | 0.89 | | % | 30 |
| | | | Endrin Aldehyde | 2023/02/15 | 7.3 | | % | 40 |
| | | | Endrin ketone | 2023/02/15 | 5.1 | | % | 40 |
| | | | Hexachlorobenzene | 2023/02/15 | 1.9 | | % | 30 |
| | | | Mirex | 2023/02/15 | 4.6 | | % | 40 |
| | | | o,p'-DDT | 2023/02/15 | 0.82 | | % | 30 |
| | | | Octachlorostyrene | 2023/02/15 | 5.9 | | % | 40 |
| | | | Lindane | 2023/02/15 | 2.0 | | % | 30 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Heptachlor | 2023/02/15 | 4.6 | | % | 30 |
| | | | Aldrin | 2023/02/15 | 7.4 | | % | 30 |
| | | | Heptachlor Epoxide | 2023/02/15 | 5.2 | | % | 30 |
| | | | Oxychlordane | 2023/02/15 | 1.3 | | % | 30 |
| | | | g-Chlordane | 2023/02/15 | 1.3 | | % | 30 |
| | | | Dieldrin | 2023/02/15 | 0.42 | | % | 30 |
| | | | o,p'-DDE | 2023/02/15 | 7.6 | | % | 30 |
| | | | p,p'-DDE | 2023/02/15 | 6.3 | | % | 30 |
| | | | o,p'-DDD | 2023/02/15 | 4.9 | | % | 30 |
| | | | p,p'-DDD | 2023/02/15 | 6.2 | | % | 30 |
| | | | p,p'-DDT | 2023/02/15 | 1.5 | | % | 30 |
| | | | Methoxychlor | 2023/02/15 | 4.0 | | % | 30 |
| A897522 | é00 | Method Blank | 2,4,5,6-Tetrachloro-m-xylene | 2023/02/15 | | 64 | % | 50 - 130 |
| | | | a-BHC | 2023/02/15 | <0.005 | | ug/L | |
| | | | a-Chlordane | 2023/02/15 | <0.005 | | ug/L | |
| | | | b-BHC | 2023/02/15 | <0.005 | | ug/L | |
| | | | d-BHC | 2023/02/15 | <0.005 | | ug/L | |
| | | | Decachlorobiphenyl | 2023/02/15 | | 77 | % | 50 - 130 |
| | | | Endosulfan I | 2023/02/15 | <0.005 | | ug/L | |
| | | | Endosulfan II | 2023/02/15 | <0.005 | | ug/L | |
| | | | Endosulfan Sulfate | 2023/02/15 | <0.005 | | ug/L | |
| | | | Endrin | 2023/02/15 | <0.005 | | ug/L | |
| | | | Endrin Aldehyde | 2023/02/15 | <0.005 | | ug/L | |
| | | | Endrin ketone | 2023/02/15 | <0.005 | | ug/L | |
| | | | Hexachlorobenzene | 2023/02/15 | <0.005 | | ug/L | |
| | | | Mirex | 2023/02/15 | <0.005 | | ug/L | |
| | | | o,p'-DDT | 2023/02/15 | <0.005 | | ug/L | |
| | | | Octachlorostyrene | 2023/02/15 | <0.005 | | ug/L | |
| | | | Toxaphene | 2023/02/15 | <0.2 | | ug/L | |
| | | | Lindane | 2023/02/15 | <0.003 | | ug/L | |
| | | | Heptachlor | 2023/02/15 | <0.005 | | ug/L | |
| | | | Aldrin | 2023/02/15 | <0.005 | | ug/L | |
| | | | Heptachlor Epoxide | 2023/02/15 | <0.005 | | ug/L | |
| | | | Oxychlordane | 2023/02/15 | <0.005 | | ug/L | |
| | | | g-Chlordane | 2023/02/15 | <0.005 | | ug/L | |
| | | | Dieldrin | 2023/02/15 | <0.005 | | ug/L | |
| | | | o,p'-DDE | 2023/02/15 | <0.005 | | ug/L | |
| | | | p,p'-DDE | 2023/02/15 | <0.005 | | ug/L | |
| | | | o,p'-DDD | 2023/02/15 | <0.005 | | ug/L | |
| | | | p,p'-DDD | 2023/02/15 | <0.005 | | ug/L | |
| | | | p,p'-DDT | 2023/02/15 | <0.005 | | ug/L | |
| | | | Methoxychlor | 2023/02/15 | <0.01 | | ug/L | |
| | | | Aroclor 1016 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1221 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1232 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1242 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1248 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1254 | 2023/02/15 | <0.05 | | ug/L | |
| | | | Aroclor 1260 | 2023/02/15 | <0.05 | | ug/L | |
| A897524 | éC2 | Matrix Spike | 2,4,6-TRIBROMOPHENOL (sur.) | 2023/02/18 | | 96 | % | 30 - 130 |
| | | | 2,4-Dichlorophenyl Acetic Acid | 2023/02/18 | | 90 | % | 30 - 130 |
| | | | 2-Fluorobiphenyl | 2023/02/18 | | 70 | % | 30 - 130 |
| | | | D14-Terphenyl (FS) | 2023/02/18 | | 99 | % | 30 - 130 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | D5-NITROBENZENE (sur.) | 2023/02/18 | | 86 | % | 30 - 130 |
| | | | 2,4,5-T | 2023/02/18 | | 105 | % | 30 - 130 |
| | | | 2,4-D | 2023/02/18 | | 86 | % | 30 - 130 |
| | | | Alachlor | 2023/02/18 | | 96 | % | 40 - 130 |
| | | | Aldicarb | 2023/02/18 | | 91 | % | 70 - 130 |
| | | | Atrazine | 2023/02/18 | | 102 | % | 30 - 130 |
| | | | Desethyl-atrazine | 2023/02/18 | | 48 | % | 30 - 130 |
| | | | Atrazine + Desethyl-atrazine | 2023/02/18 | | 75 | % | 30 - 130 |
| | | | Bendiocarb | 2023/02/18 | | 108 | % | 40 - 130 |
| | | | Bromoxynil | 2023/02/18 | | 100 | % | 40 - 130 |
| | | | Carbaryl | 2023/02/18 | | 103 | % | 40 - 130 |
| | | | Carbofuran | 2023/02/18 | | 101 | % | 40 - 130 |
| | | | Chlorpyrifos (Dursban) | 2023/02/18 | | 94 | % | 40 - 130 |
| | | | Cyanazine (Bladex) | 2023/02/18 | | 93 | % | 40 - 130 |
| | | | Diazinon | 2023/02/18 | | 99 | % | 40 - 130 |
| | | | Dicamba | 2023/02/18 | | 86 | % | 30 - 130 |
| | | | Diclofop-methyl | 2023/02/18 | | 106 | % | 40 - 130 |
| | | | Dimethoate | 2023/02/18 | | 90 | % | 40 - 130 |
| | | | Dinoseb (DNBP) | 2023/02/18 | | 90 | % | 40 - 130 |
| | | | Malathion | 2023/02/18 | | 98 | % | 40 - 130 |
| | | | Metolachlor | 2023/02/18 | | 97 | % | 40 - 130 |
| | | | Metribuzin (Sencor) | 2023/02/18 | | 100 | % | 40 - 130 |
| | | | Parathion | 2023/02/18 | | 92 | % | 40 - 130 |
| | | | Pentachlorophenol | 2023/02/18 | | 107 | % | 25 - 130 |
| | | | Phorate (Thimet) | 2023/02/18 | | 90 | % | 40 - 130 |
| | | | Picloram | 2023/02/18 | | 39 | % | 10 - 130 |
| | | | Prometryn | 2023/02/18 | | 99 | % | 30 - 130 |
| | | | Simazine | 2023/02/18 | | 87 | % | 40 - 130 |
| | | | Terbufos | 2023/02/18 | | 97 | % | 40 - 130 |
| | | | Triallate | 2023/02/18 | | 96 | % | 40 - 130 |
| | | | Trifluralin | 2023/02/18 | | 126 | % | 40 - 130 |
| | | | Methyl parathion | 2023/02/18 | | 88 | % | 30 - 130 |
| A897524 | éC2 | Spiked Blank | 2,4,6-TRIBROMOPHENOL (sur.) | 2023/02/18 | | 100 | % | 30 - 130 |
| | | | 2,4-Dichlorophenyl Acetic Acid | 2023/02/18 | | 93 | % | 30 - 130 |
| | | | 2-Fluorobiphenyl | 2023/02/18 | | 73 | % | 30 - 130 |
| | | | D14-Terphenyl (FS) | 2023/02/18 | | 104 | % | 30 - 130 |
| | | | D5-NITROBENZENE (sur.) | 2023/02/18 | | 87 | % | 30 - 130 |
| | | | 2,4,5-T | 2023/02/18 | | 110 | % | 30 - 130 |
| | | | 2,4-D | 2023/02/18 | | 92 | % | 30 - 130 |
| | | | Alachlor | 2023/02/18 | | 99 | % | 40 - 130 |
| | | | Aldicarb | 2023/02/18 | | 95 | % | 70 - 130 |
| | | | Atrazine | 2023/02/18 | | 107 | % | 30 - 130 |
| | | | Desethyl-atrazine | 2023/02/18 | | 50 | % | 30 - 130 |
| | | | Atrazine + Desethyl-atrazine | 2023/02/18 | | 78 | % | 30 - 130 |
| | | | Bendiocarb | 2023/02/18 | | 112 | % | 40 - 130 |
| | | | Bromoxynil | 2023/02/18 | | 105 | % | 40 - 130 |
| | | | Carbaryl | 2023/02/18 | | 106 | % | 40 - 130 |
| | | | Carbofuran | 2023/02/18 | | 105 | % | 40 - 130 |
| | | | Chlorpyrifos (Dursban) | 2023/02/18 | | 97 | % | 40 - 130 |
| | | | Cyanazine (Bladex) | 2023/02/18 | | 95 | % | 40 - 130 |
| | | | Diazinon | 2023/02/18 | | 102 | % | 40 - 130 |
| | | | Dicamba | 2023/02/18 | | 93 | % | 30 - 130 |
| | | | Diclofop-methyl | 2023/02/18 | | 110 | % | 40 - 130 |



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## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Dimethoate | 2023/02/18 | | 91 | % | 40 - 130 |
| | | | Dinoseb (DNBP) | 2023/02/18 | | 93 | % | 40 - 130 |
| | | | Malathion | 2023/02/18 | | 103 | % | 40 - 130 |
| | | | Metolachlor | 2023/02/18 | | 101 | % | 40 - 130 |
| | | | Metribuzin (Sencor) | 2023/02/18 | | 103 | % | 40 - 130 |
| | | | Parathion | 2023/02/18 | | 95 | % | 40 - 130 |
| | | | Pentachlorophenol | 2023/02/18 | | 113 | % | 25 - 130 |
| | | | Phorate (Thimet) | 2023/02/18 | | 93 | % | 40 - 130 |
| | | | Picloram | 2023/02/18 | | 45 | % | 10 - 130 |
| | | | Prometryn | 2023/02/18 | | 92 | % | 30 - 130 |
| | | | Simazine | 2023/02/18 | | 91 | % | 40 - 130 |
| | | | Terbufos | 2023/02/18 | | 100 | % | 40 - 130 |
| | | | Triallate | 2023/02/18 | | 98 | % | 40 - 130 |
| | | | Trifluralin | 2023/02/18 | | 116 | % | 40 - 130 |
| | | | Methyl parathion | 2023/02/18 | | 90 | % | 30 - 130 |
| A897524 | éC2 | RPD | 2,4,5-T | 2023/02/18 | 8.9 | | % | 40 |
| | | | 2,4-D | 2023/02/18 | 9.7 | | % | 40 |
| | | | Alachlor | 2023/02/18 | 7.9 | | % | 40 |
| | | | Aldicarb | 2023/02/18 | 11 | | % | 40 |
| | | | Atrazine | 2023/02/18 | 10 | | % | 40 |
| | | | Desethyl-atrazine | 2023/02/18 | 8.7 | | % | 40 |
| | | | Atrazine + Desethyl-atrazine | 2023/02/18 | 9.6 | | % | 40 |
| | | | Bendiocarb | 2023/02/18 | 8.3 | | % | 40 |
| | | | Bromoxynil | 2023/02/18 | 9.8 | | % | 40 |
| | | | Carbaryl | 2023/02/18 | 8.2 | | % | 40 |
| | | | Carbofuran | 2023/02/18 | 9.9 | | % | 40 |
| | | | Chlorpyrifos (Dursban) | 2023/02/18 | 7.7 | | % | 40 |
| | | | Cyanazine (Bladex) | 2023/02/18 | 9.4 | | % | 40 |
| | | | Diazinon | 2023/02/18 | 8.7 | | % | 40 |
| | | | Dicamba | 2023/02/18 | 11 | | % | 40 |
| | | | Diclofop-methyl | 2023/02/18 | 8.3 | | % | 40 |
| | | | Dimethoate | 2023/02/18 | 8.5 | | % | 40 |
| | | | Dinoseb (DNBP) | 2023/02/18 | 7.5 | | % | 40 |
| | | | Malathion | 2023/02/18 | 8.0 | | % | 40 |
| | | | Metolachlor | 2023/02/18 | 8.9 | | % | 40 |
| | | | Metribuzin (Sencor) | 2023/02/18 | 8.5 | | % | 40 |
| | | | Parathion | 2023/02/18 | 8.5 | | % | 40 |
| | | | Pentachlorophenol | 2023/02/18 | 8.9 | | % | 40 |
| | | | Phorate (Thimet) | 2023/02/18 | 9.4 | | % | 40 |
| | | | Picloram | 2023/02/18 | 14 | | % | 40 |
| | | | Prometryn | 2023/02/18 | 9.4 | | % | 40 |
| | | | Simazine | 2023/02/18 | 9.9 | | % | 40 |
| | | | Terbufos | 2023/02/18 | 10 | | % | 40 |
| | | | Triallate | 2023/02/18 | 8.6 | | % | 40 |
| | | | Trifluralin | 2023/02/18 | 11 | | % | 40 |
| | | | Methyl parathion | 2023/02/18 | 8.1 | | % | 40 |
| A897524 | éC2 | Method Blank | 2,4,6-TRIBROMOPHENOL (sur.) | 2023/02/17 | | 95 | % | 30 - 130 |
| | | | 2,4-Dichlorophenyl Acetic Acid | 2023/02/17 | | 87 | % | 30 - 130 |
| | | | 2-Fluorobiphenyl | 2023/02/17 | | 78 | % | 30 - 130 |
| | | | D14-Terphenyl (FS) | 2023/02/17 | | 100 | % | 30 - 130 |
| | | | D5-NITROBENZENE (sur.) | 2023/02/17 | | 88 | % | 30 - 130 |
| | | | 2,4,5-T | 2023/02/17 | <1.0 | | ug/L | |
| | | | 2,4-D | 2023/02/17 | <1.0 | | ug/L | |



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Bureau Veritas Job #: C309067
Report Date: 2023/03/02

DIAMOND VALLEY, TOWN OF
Client Project #: DIAMOND VALLEY DISTRIBUTION SY
Site Location: TOWN OF DIAMOND VALLEY
Your P.O. #: 319278

## QUALITY ASSURANCE REPORT(CONT'D)

| QA/QC Batch | Init | QC Type | Parameter | Date Analyzed | Value | Recovery | UNITS | QC Limits |
|---|---|---|---|---|---|---|---|---|
| | | | Alachlor | 2023/02/17 | <0.50 | | ug/L | |
| | | | Aldicarb | 2023/02/17 | <5.0 | | ug/L | |
| | | | Atrazine | 2023/02/17 | <0.50 | | ug/L | |
| | | | Desethyl-atrazine | 2023/02/17 | <0.50 | | ug/L | |
| | | | Atrazine + Desethyl-atrazine | 2023/02/17 | <1.0 | | ug/L | |
| | | | Bendiocarb | 2023/02/17 | <2.0 | | ug/L | |
| | | | Bromoxynil | 2023/02/17 | <0.50 | | ug/L | |
| | | | Carbaryl | 2023/02/17 | <5.0 | | ug/L | |
| | | | Carbofuran | 2023/02/17 | <5.0 | | ug/L | |
| | | | Chlorpyrifos (Dursban) | 2023/02/17 | <1.0 | | ug/L | |
| | | | Cyanazine (Bladex) | 2023/02/17 | <1.0 | | ug/L | |
| | | | Diazinon | 2023/02/17 | <1.0 | | ug/L | |
| | | | Dicamba | 2023/02/17 | <1.0 | | ug/L | |
| | | | Diclofop-methyl | 2023/02/17 | <0.90 | | ug/L | |
| | | | Dimethoate | 2023/02/17 | <2.5 | | ug/L | |
| | | | Dinoseb (DNBP) | 2023/02/17 | <1.0 | | ug/L | |
| | | | Malathion | 2023/02/17 | <5.0 | | ug/L | |
| | | | Metolachlor | 2023/02/17 | <0.50 | | ug/L | |
| | | | Metribuzin (Sencor) | 2023/02/17 | <5.0 | | ug/L | |
| | | | Parathion | 2023/02/17 | <1.0 | | ug/L | |
| | | | Pentachlorophenol | 2023/02/17 | <0.50 | | ug/L | |
| | | | Phorate (Thimet) | 2023/02/17 | <0.50 | | ug/L | |
| | | | Picloram | 2023/02/17 | <5.0 | | ug/L | |
| | | | Prometryn | 2023/02/17 | <0.25 | | ug/L | |
| | | | Simazine | 2023/02/17 | <1.0 | | ug/L | |
| | | | Terbufos | 2023/02/17 | <0.50 | | ug/L | |
| | | | Triallate | 2023/02/17 | <1.0 | | ug/L | |
| | | | Trifluralin | 2023/02/17 | <1.0 | | ug/L | |
| | | | Methyl parathion | 2023/02/17 | <1.0 | | ug/L | |

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.



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## VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Angel Guerrero, Supervisor, Ultra Trace Analysis, HRMS

Cristina Carriere, Senior Scientific Specialist

Anastassia Hamanov, Scientific Specialist

Janet Gao, B.Sc., QP, Supervisor, Organics

Luba Shymushovska, B.Sc., QP, Senior Analyst, Organics

Sandy Yuan, M.Sc., QP, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist



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## VALIDATION SIGNATURE PAGE(CONT'D)

The analytical data and all QC contained in this report were reviewed and validated by:

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

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Maxxam Analytics Inc

Maxxam Analytics International Corporation o/a Maxxam Analytics
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# CHAIN OF CUSTODY RECORD

Page ... of

**INVOICE INFORMATION:**

Company Name: Town Of Diamond Valley (Account No. 91)
Contact Name: Shawn Patience
Address: 301 Center Ave West
Diamond Valley, AB T0L 0H0
Phone: (403) 933-4348 Fax:
Email:

**REPORT INFORMATION (if differs from invoice):**

Company Name: Foothills County
Contact Name: Dennis Leis
Address: 301 Center Ave West
Diamond Valley T0L 0H0
Phone: (403) 899-5133 Fax:
Email: dennis.leis@foothillscountyab.ca

**PROJECT INFORMATION:**

Quotation #:
P.O. #:
Project #:
Project Name: Diamond Valley Distribution System
Site Location: Town of Diamond Valley
Sampled By:

**Laboratory Use Only**

MAXXAM JOB #: C309067
BOTTLE ORDER #:
CHAIN OF CUSTODY #: TV18080802
PROJECT MANAGER: Geraldlyn Gouthro

REGULATORY CRITERIA:
CDWQG (Revised Feb 2017)

SPECIAL INSTRUCTIONS:
**Report Distribution**
dennis.leis@foothillscountyab.ca
terryo@diamondvalley.town
kelly.frey@foothillscountyab.ca

ANALYSIS REQUESTED

TURNAROUND TIME (TAT) REQUIRED

**PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS**

**Regular (Standard) TAT:**
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests
Please note Standard TAT for certain tests such as > 5 days - contact your Project Manager for details

**Job Specific Rush TAT** (if applies to entire submission)
Date Required:
Rush Confirmation Number: (call lab for #)

**SAMPLES MUST BE KEPT COOL ( < 10 °C ) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM**

| | Sample Barcode Label | Sample (Location) Identification | Date Sampled &Time Sampled | Matrix | Metals Field Filtered ? ( Y / N ) | | DVTTD | | | | | | | | | | # of Bottles | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | N/A | DV Treated Distro | 08/02/2023 @ 8:30Hrs | W | N | | X | | | | | | | | | | 26 | |
| 2 | N/A | Location: 131 Main St | | | | | | | | | | | | | | | | |
| 3 | N/A | | | | | | | | | | | | | | | | | |
| 4 | N/A | | | | | | | | | | | | | | | | | |
| 5 | N/A | | | | | | | | | | | | | | | | | |
| 6 | N/A | | | | | | | | | | | | | | | | | |
| 7 | N/A | | | | | | | | | | | | | | | | | |
| 8 | N/A | | | | | | | | | | | | | | | | | |
| 9 | N/A | | | | | | | | | | | | | | | | | |
| 10 | N/A | | | | | | | | | | | | | | | | | |

| RELINQUISHED BY: (Signature/Print) | Date: (YY/MM/DD) | Time: | RECEIVED BY: (Signature/Print) | Date: (YY/MM/DD) | Time: | # of Jars Used & not submitted | Laboratory Use Only: Temperature (°C) on Receipt | Condition of Samples on Receipt |
|---|---|---|---|---|---|---|---|---|
| Kelly Frey | 2023/02/08 | 8:35 AM | Nick Booth | 2023/02/08 | 12:40 | | 3/1/1 | ☐ OK ☐ Bad ☐ |

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD, AN INCOMPLETE CHAIN OF CUSTODY MAY RESULTS IN ANALYICAL TAT DELAYS
** ALL SAMPLES ARE HELD FOR 60 DAYS AFTER SAMPLE RECEIPT, FOR SPECIAL REQUEST PLEASE CONTACT YOUR PROJECT MANAGER

4/4/4

Ice: yes