



Your P.O. #: 319278
 Your Project #: DIAMOND VALLEY DISTRIBUTION SY
 Site Location: TOWN OF DIAMOND VALLEY
 Your C.O.C. #: TV18080802

Attention: Terry Orum

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

Report Date: 2024/08/24
 Report #: R3546526
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C460018

Received: 2024/08/07, 11:25

Sample Matrix: Water
 # Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Bromate	1	N/A	2024/08/11	CAL SOP-00040	SM 24 4110 D m
BTEX/F1 in Water by HS GC/MS/FID	1	N/A	2024/08/09	AB SOP-00039	CCME CWS/EPA 8260d m
F1-BTEX	1	N/A	2024/08/10		Auto Calc
Cadmium - low level CCME (Total)	1	N/A	2024/08/13		Auto Calc
Chlorine (Free) (2)	1	N/A	2024/08/08	AB SOP-00032	SM 24 4500-Cl G m
Chloramines, Residual	1	N/A	2024/08/08		Auto Calc
Chlorine (Total) (2)	1	N/A	2024/08/08	AB SOP-00032	SM 24 4500-Cl G m
Chlorate and Chlorite by IC	1	N/A	2024/08/16	CAL SOP-00040	SM 24 4110 D m
Chloride/Sulphate by Auto Colourimetry	1	N/A	2024/08/08	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide (total)	1	N/A	2024/08/10	CAL SOP-00270	SM 24 4500-CN m
True Colour	1	N/A	2024/08/08	CAL SOP-00049	SM 24 2120 C m
CCME Hydrocarbons (F2-F4 in water) (3)	1	2024/08/08	2024/08/09	AB SOP-00037	CCME PHC-CWS m
Fluoride	1	N/A	2024/08/13	AB SOP-00005	SM 24 4500-F C m
Sulphide (as H ₂ S)	1	N/A	2024/08/08		Auto Calc
Hardness Total (calculated as CaCO ₃) (4)	1	N/A	2024/08/13	BBY WI-00033	Auto Calc
Mercury (Total) by CV	1	2024/08/08	2024/08/09	AB SOP-00084	BCMOE BCLM Oct2013 m
Elements by ICP - Total	1	2024/08/12	2024/08/12	AB SOP-00014 / AB SOP-00042	EPA 6010d R5 m
Elements by ICPMS - Total	1	2024/08/12	2024/08/12	AB SOP-00014 / AB SOP-00043	EPA 6020b R2 m
Ammonia-N (Total)	1	N/A	2024/08/12	AB SOP-00007	SM 24 4500 NH3 A G m
Nitrate and Nitrite	1	N/A	2024/08/11		Auto Calc
NO ₂ (N); NO ₂ (N) + NO ₃ (N) in Water	1	N/A	2024/08/08	AB SOP-00091	SM 24 4500 NO3m
Nitrate + Nitrite-N (calculated)	1	N/A	2024/08/12		Auto Calc
Nitrate (as N)	1	2024/08/07	2024/08/11		Auto Calc
Benzo[a]pyrene Equivalency (5)	1	N/A	2024/08/09		Auto Calc
PAH in Water by GC/MS	1	2024/08/08	2024/08/08	AB SOP-00037 / AB SOP-00003	EPA 3510C/8270E m
pH @25°C (6)	1	N/A	2024/08/13	AB SOP-00005	SM 24 4500-H+B m
Phenoxyalkyl acid Pesticides	1	2024/08/12	2024/08/12	CAL SOP-00094	EPA 8151 R1 m



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Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Sulphide	1	N/A	2024/08/08	AB SOP-00080	SM 24 4500 S2-A D Fm
Phenols (semivolatile)	1	2024/08/12	2024/08/12	CAL SOP-00164	EPA 8270e m
Total Dissolved Solids (Filt. Residue)	1	2024/08/10	2024/08/11	AB SOP-00065	SM 24 2540 C m
Total Trihalomethanes Calculation	1	N/A	2024/08/13		Auto Calc
Carbon (Total Organic) (7)	1	N/A	2024/08/12	AB SOP-00087	MMCW 119 1996 m
Turbidity	1	N/A	2024/08/09	CAL SOP-00081	SM 24 2130 B m
VOCs in Water by HS GC/MS (Std List)	1	N/A	2024/08/12	AB SOP-00056	EPA 5021a/8260d m
Diuron, Guthion, Temephos (1)	1	2024/08/12	2024/08/13	CAM SOP-00306	In-House method
Diquat / Paraquat (1)	1	2024/08/10	2024/08/16	CAM SOP-00327	EPA 549.2 m
Glyphosate (1)	1	2024/08/13	2024/08/13	CAM SOP-00305	HPLC in-house method
Haloacetic Acids in Water (1)	1	2024/08/12	2024/08/13	CAM SOP-00954	EPA 552.2 m
Nitrosamines in Water (1)	1	2024/08/15	2024/08/21	BRL SOP-00012 BRL SOP-00401	EPA M 607/1625B mod
Nitrilotriacetic Acid (NTA) (1, 8)	1	2024/08/09	2024/08/09	CAM SOP-00411	EPA 430.1 m
OC Pesticides (Selected) & PCB (1, 9)	1	2024/08/12	2024/08/13	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides Summed Parameters (1)	1	N/A	2024/08/09	CAM SOP-00307	EPA 8081B/ 8082A
ODWS-Semi-Volatiles (1)	1	2024/08/15	2024/08/15	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, EPA, APHA or the Quebec Ministry of Environment.

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



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customer or their agent.

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

Please direct all questions regarding this Certificate of Analysis to:

Morgan Melnychuk, Customer Solutions Representative

Email: Morgan.MELNYCHUK@bureauveritas.com

Phone# (604)638-8034 Ext:8034

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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.



AT1 BTEX AND F1-F4 IN WATER (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Ext. Pet. Hydrocarbon				
F2 (C10-C16 Hydrocarbons)	mg/L	<0.10	0.10	B467609
F3 (C16-C34 Hydrocarbons)	mg/L	<0.10	0.10	B467609
F4 (C34-C50 Hydrocarbons)	mg/L	<0.20	0.20	B467609
Volatiles				
Benzene	ug/L	<0.40	0.40	B469621
Toluene	ug/L	<0.40	0.40	B469621
Ethylbenzene	ug/L	<0.40	0.40	B469621
m & p-Xylene	ug/L	<0.80	0.80	B469621
o-Xylene	ug/L	<0.40	0.40	B469621
Xylenes (Total)	ug/L	<0.89	0.89	B469079
F1 (C6-C10) - BTEX	ug/L	<100	100	B469079
F1 (C6-C10)	ug/L	<100	100	B469621
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	98	N/A	B469621
4-Bromofluorobenzene (sur.)	%	108	N/A	B469621
D4-1,2-Dichloroethane (sur.)	%	103	N/A	B469621
O-TERPHENYL (sur.)	%	93	N/A	B467609
RDL = Reportable Detection Limit				
N/A = Not Applicable				



REGULATED METALS (CCME/AT1) - TOTAL

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Elements				
Total Cadmium (Cd)	ug/L	<0.020	0.020	B468293
Total Aluminum (Al)	mg/L	0.015	0.0030	B474504
Total Antimony (Sb)	mg/L	<0.00060	0.00060	B474504
Total Arsenic (As)	mg/L	0.00022	0.00020	B474504
Total Barium (Ba)	mg/L	0.063	0.010	B474506
Total Beryllium (Be)	mg/L	<0.0010	0.0010	B474504
Total Boron (B)	mg/L	<0.020	0.020	B474506
Total Calcium (Ca)	mg/L	71	0.30	B474506
Total Chromium (Cr)	mg/L	<0.0010	0.0010	B474504
Total Cobalt (Co)	mg/L	<0.00030	0.00030	B474504
Total Copper (Cu)	mg/L	0.012	0.0010	B474504
Total Iron (Fe)	mg/L	<0.060	0.060	B474506
Total Lead (Pb)	mg/L	<0.00020	0.00020	B474504
Total Lithium (Li)	mg/L	<0.020	0.020	B474506
Total Magnesium (Mg)	mg/L	22	0.20	B474506
Total Manganese (Mn)	mg/L	<0.0040	0.0040	B474506
Total Molybdenum (Mo)	mg/L	0.0010	0.00020	B474504
Total Nickel (Ni)	mg/L	<0.00050	0.00050	B474504
Total Phosphorus (P)	mg/L	<0.10	0.10	B474506
Total Potassium (K)	mg/L	0.99	0.30	B474506
Total Selenium (Se)	mg/L	0.00078	0.00020	B474504
Total Silicon (Si)	mg/L	2.5	0.50	B474506
Total Silver (Ag)	mg/L	<0.00010	0.00010	B474504
Total Sodium (Na)	mg/L	12	0.50	B474506
Total Strontium (Sr)	mg/L	0.32	0.020	B474506
Total Sulphur (S)	mg/L	40	0.20	B474506
Total Thallium (Tl)	mg/L	<0.00020	0.00020	B474504
Total Tin (Sn)	mg/L	<0.0010	0.0010	B474504
RDL = Reportable Detection Limit				



REGULATED METALS (CCME/AT1) - TOTAL

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Total Titanium (Ti)	mg/L	<0.0010	0.0010	B474504
Total Uranium (U)	mg/L	0.00076	0.00010	B474504
Total Vanadium (V)	mg/L	<0.0010	0.0010	B474504
Total Zinc (Zn)	mg/L	<0.0030	0.0030	B474504
RDL = Reportable Detection Limit				



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		CSU688	CSU688		
Sampling Date		2024/08/07 08:00	2024/08/07 08:00		
COC Number		TV18080802	TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST) Lab-Dup	RDL	QC Batch
Base Neutrals					
N-Nitrosodimethylamine	ng/L	<1.9	N/A	1.9	B488556
Calculated Parameters					
Residual Chloramines	mg/L	0.060	N/A	0.020	B469084
Total Hardness (CaCO ₃)	mg/L	268	N/A	0.50	B467888
Nitrate (N)	mg/L	0.015	N/A	0.010	B468735
Nitrate (NO ₃)	mg/L	0.065	N/A	0.044	B468506
Nitrate plus Nitrite (N)	mg/L	0.015	N/A	0.014	B469114
Nitrite (NO ₂)	mg/L	<0.033	N/A	0.033	B468506
Sulphide (as H ₂ S)	mg/L	<0.0020	N/A	0.0020	B467880
Misc. Inorganics					
Free Chlorine	mg/L	0.40	0.41	0.020	B470328
Total Chlorine	mg/L	0.46	0.46	0.020	B470329
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	N/A	0.00050	B473062
pH	pH	8.33	N/A	N/A	B474344
Total Organic Carbon (C)	mg/L	1.4	N/A	0.50	B474196
Total Dissolved Solids	mg/L	350	N/A	10	B472842
Anions					
Bromate	mg/L	<0.0095	N/A	0.0095	B473181
Chlorate (ClO ₃)	mg/L	0.24	N/A	0.10	B474602
Chlorite (ClO ₂)	mg/L	<0.10	N/A	0.10	B474602
Dissolved Fluoride (F)	mg/L	0.22	N/A	0.050	B474346
Total Sulphide	mg/L	<0.0018	N/A	0.0018	B469999
Chloride (Cl)	mg/L	11	N/A	1.0	B470276
RDL = Reportable Detection Limit					
Lab-Dup = Laboratory Initiated Duplicate					
N/A = Not Applicable					



RESULTS OF CHEMICAL ANALYSES OF WATER

Bureau Veritas ID		CSU688	CSU688		
Sampling Date		2024/08/07 08:00	2024/08/07 08:00		
COC Number		TV18080802	TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST) Lab-Dup	RDL	QC Batch
MISCELLANEOUS					
Dalapon	ug/L	<5.0	N/A	5.0	B488563
Nitrilotriacetic acid	mg/L	0.073	N/A	0.050	B488558
Monochloroacetic Acid	ug/L	<5.0	N/A	5.0	B488563
Monobromoacetic Acid	ug/L	<5.0	N/A	5.0	B488563
Dichloroacetic Acid	ug/L	10	N/A	5.0	B488563
Trichloroacetic Acid	ug/L	8.8	N/A	5.0	B488563
Bromochloroacetic Acid	ug/L	<10 (1)	N/A	10	B488563
Dibromoacetic Acid	ug/L	<5.0	N/A	5.0	B488563
Total Haloacetic Acids	ug/L	19	N/A	5.0	B488563
Nutrients					
Total Ammonia (N)	mg/L	<0.015	<0.015	0.015	B474299
Nitrite (N)	mg/L	<0.010	N/A	0.010	B470264
Nitrate plus Nitrite (N)	mg/L	0.015	N/A	0.010	B470264
Pesticides & Herbicides					
Diquat	ug/L	<7.0	N/A	7.0	B488591
Paraquat	ug/L	<1.0	N/A	1.0	B488591
Physical Properties					
True Colour	PtCo units	<2.0	N/A	2.0	B470863
Physical Properties					
Turbidity	NTU	<0.10	N/A	0.10	B472187
Surrogate Recovery (%)					
2,3-Dibromopropionic Acid	%	110	N/A	N/A	B488563
D10-N-nitrosodiethylamine	%	66	N/A	N/A	B488556
D14-N-Nitrosodi-n-propylamine	%	75	N/A	N/A	B488556
D6-NDMA	%	33	N/A	N/A	B488556
D8-N-Nitrosomorpholine	%	59	N/A	N/A	B488556
RDL = Reportable Detection Limit Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable (1) Detection Limit was raised due to matrix interferences.					



PHENOXYALKYL ACID PESTICIDES/HERBICIDES (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Phenoxyalkyl acid Pest.				
MCPA	ug/L	<0.020	0.020	B473699
Surrogate Recovery (%)				
2,4-Dichlorophenyl Acetic Acid	%	86	N/A	B473699
RDL = Reportable Detection Limit				
N/A = Not Applicable				

**SEMIVOLATILE ORGANICS BY GC-MS (WATER)**

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Polycyclic Aromatics				
B[a]P TPE Total Potency Equivalents	ug/L	<0.010	0.010	B468325
Acenaphthene	ug/L	<0.10	0.10	B467606
Acenaphthylene	ug/L	<0.10	0.10	B467606
Acridine	ug/L	<0.040	0.040	B467606
Anthracene	ug/L	<0.010	0.010	B467606
Benzo(a)anthracene	ug/L	<0.0085	0.0085	B467606
Benzo(b&j)fluoranthene	ug/L	<0.0085	0.0085	B467606
Benzo(k)fluoranthene	ug/L	<0.0085	0.0085	B467606
Benzo(g,h,i)perylene	ug/L	<0.0085	0.0085	B467606
Benzo(c)phenanthrene	ug/L	<0.050	0.050	B467606
Benzo(a)pyrene	ug/L	<0.0075	0.0075	B467606
Benzo(e)pyrene	ug/L	<0.050	0.050	B467606
Chrysene	ug/L	<0.0085	0.0085	B467606
Dibenz(a,h)anthracene	ug/L	<0.0075	0.0075	B467606
Fluoranthene	ug/L	<0.010	0.010	B467606
Fluorene	ug/L	<0.050	0.050	B467606
Indeno(1,2,3-cd)pyrene	ug/L	<0.0085	0.0085	B467606
1-Methylnaphthalene	ug/L	<0.10	0.10	B467606
2-Methylnaphthalene	ug/L	<0.10	0.10	B467606
Naphthalene	ug/L	<0.10	0.10	B467606
Phenanthrene	ug/L	<0.050	0.050	B467606
Perylene	ug/L	<0.050	0.050	B467606
Pyrene	ug/L	<0.020	0.020	B467606
Quinoline	ug/L	<0.20	0.20	B467606
Phenols				
2,3,4,6-tetrachlorophenol	mg/L	<0.00010	0.00010	B474144
2,4,6-trichlorophenol	mg/L	<0.00010	0.00010	B474144
2,4-dichlorophenol	mg/L	<0.00010	0.00010	B474144
RDL = Reportable Detection Limit				



SEMIVOLATILE ORGANICS BY GC-MS (WATER)

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Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
SEMI-VOLATILE ORGANICS				
2,4,5-T	ug/L	<1.0	1.0	B488595
2,4-D	ug/L	<1.0	1.0	B488595
Alachlor	ug/L	<0.50	0.50	B488595
Aldicarb	ug/L	<5.0	5.0	B488595
Atrazine	ug/L	<0.50	0.50	B488595
Desethyl-atrazine	ug/L	<0.50	0.50	B488595
Atrazine + Desethyl-atrazine	ug/L	<1.0	1.0	B488595
Bendiocarb	ug/L	<2.0	2.0	B488595
Bromoxnyl	ug/L	<0.50	0.50	B488595
Carbaryl	ug/L	<5.0	5.0	B488595
Carbofuran	ug/L	<5.0	5.0	B488595
Chlorpyrifos (Dursban)	ug/L	<1.0	1.0	B488595
Cyanazine (Bladex)	ug/L	<1.0	1.0	B488595
Diazinon	ug/L	<1.0	1.0	B488595
Dicamba	ug/L	<1.0	1.0	B488595
Diclofop-methyl	ug/L	<0.90	0.90	B488595
Dimethoate	ug/L	<2.5	2.5	B488595
Dinoseb (DNBP)	ug/L	<1.0	1.0	B488595
Malathion	ug/L	<5.0	5.0	B488595
Metolachlor	ug/L	<0.50	0.50	B488595
Metribuzin (Sencor)	ug/L	<5.0	5.0	B488595
Parathion	ug/L	<1.0	1.0	B488595
Pentachlorophenol	ug/L	<0.50	0.50	B488595
Phorate (Thimet)	ug/L	<0.50	0.50	B488595
Picloram	ug/L	<5.0	5.0	B488595
Prometryn	ug/L	<0.25	0.25	B488595
Simazine	ug/L	<1.0	1.0	B488595
Terbufos	ug/L	<0.50	0.50	B488595
RDL = Reportable Detection Limit				



SEMIVOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Triallate	ug/L	<1.0	1.0	B488595
Trifluralin	ug/L	<1.0	1.0	B488595
Methyl parathion	ug/L	<1.0	1.0	B488595
Surrogate Recovery (%)				
D10-ANTHRACENE (sur.)	%	81	N/A	B467606
D8-ACENAPHTHYLENE (sur.)	%	14 (1)	N/A	B467606
D8-NAPHTHALENE (sur.)	%	69	N/A	B467606
TERPHENYL-D14 (sur.)	%	100	N/A	B467606
2,4,6-TRIBROMOPHENOL (sur.)	%	183 (2)	N/A	B474144
2,4-DIBROMOPHENOL (sur.)	%	62	N/A	B474144
2,4,6-TRIBROMOPHENOL (sur.)	%	57	N/A	B488595
2,4-Dichlorophenyl Acetic Acid	%	55	N/A	B488595
2-Fluorobiphenyl	%	56	N/A	B488595
D14-Terphenyl (FS)	%	63	N/A	B488595
D5-NITROBENZENE (sur.)	%	60	N/A	B488595
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.				



MERCURY BY COLD VAPOR (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Elements				
Total Mercury (Hg)	ug/L	<0.0019	0.0019	B469864
RDL = Reportable Detection Limit				



VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Volatiles				
Total Trihalomethanes	ug/L	31	1.3	B468529
Bromodichloromethane	ug/L	3.2	0.50	B473399
Bromoform	ug/L	<0.50	0.50	B473399
Carbon tetrachloride	ug/L	<0.50	0.50	B473399
Chlorobenzene	ug/L	<0.50	0.50	B473399
Dibromochloromethane	ug/L	<1.0	1.0	B473399
Chloroform	ug/L	28	0.50	B473399
1,2-dichlorobenzene	ug/L	<0.50	0.50	B473399
1,4-dichlorobenzene	ug/L	<0.50	0.50	B473399
1,2-dichloroethane	ug/L	<0.50	0.50	B473399
1,1-dichloroethene	ug/L	<0.50	0.50	B473399
Dichloromethane	ug/L	<2.0	2.0	B473399
Methyl-tert-butylether (MTBE)	ug/L	<0.50	0.50	B473399
Tetrachloroethene	ug/L	<0.50	0.50	B473399
Trichloroethene	ug/L	<0.20	0.20	B473399
Trichlorofluoromethane	ug/L	<0.50	0.50	B473399
Vinyl chloride	ug/L	<0.50	0.50	B473399
Surrogate Recovery (%)				
1,4-Difluorobenzene (sur.)	%	99	N/A	B473399
4-Bromofluorobenzene (sur.)	%	99	N/A	B473399
D4-1,2-Dichloroethane (sur.)	%	103	N/A	B473399
RDL = Reportable Detection Limit N/A = Not Applicable				



PESTICIDES & HERBICIDES BY HPLC (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch

Pesticides & Herbicides				
Diuron	ug/L	<10	10	B488592
Glyphosate	ug/L	<10	10	B488560
Guthion (Azinphos-methyl)	ug/L	<2.0	2.0	B488592
Temephos	ug/L	<10	10	B488592
RDL = Reportable Detection Limit				



ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Calculated Parameters				
Aldrin + Dieldrin	ug/L	<0.005	0.005	B488594
Chlordane (Total)	ug/L	<0.005	0.005	B488594
DDT + Metabolites	ug/L	<0.005	0.005	B488594
Heptachlor + Heptachlor epoxide	ug/L	<0.005	0.005	B488594
o,p-DDD + p,p-DDD	ug/L	<0.005	0.005	B488594
o,p-DDE + p,p-DDE	ug/L	<0.005	0.005	B488594
o,p-DDT + p,p-DDT	ug/L	<0.005	0.005	B488594
Total Endosulfan	ug/L	<0.005	0.005	B488594
Total PCB	ug/L	<0.05	0.05	B488594
Pesticides & Herbicides				
a-BHC	ug/L	<0.005	0.005	B488593
a-Chlordane	ug/L	<0.005	0.005	B488593
b-BHC	ug/L	<0.005	0.005	B488593
d-BHC	ug/L	<0.005	0.005	B488593
Endosulfan I	ug/L	<0.005	0.005	B488593
Endosulfan II	ug/L	<0.005	0.005	B488593
Endosulfan Sulfate	ug/L	<0.005	0.005	B488593
Endrin	ug/L	<0.005	0.005	B488593
Endrin Aldehyde	ug/L	<0.005	0.005	B488593
Endrin ketone	ug/L	<0.005	0.005	B488593
Hexachlorobenzene	ug/L	<0.005	0.005	B488593
Mirex	ug/L	<0.005	0.005	B488593
o,p'-DDT	ug/L	<0.005	0.005	B488593
Octachlorostyrene	ug/L	<0.005	0.005	B488593
Toxaphene	ug/L	<0.2	0.2	B488593
Lindane	ug/L	<0.003	0.003	B488593
Heptachlor	ug/L	<0.005	0.005	B488593
Aldrin	ug/L	<0.005	0.005	B488593
RDL = Reportable Detection Limit				



ORGANOCHLORINATED PESTICIDES BY GC-ECD (WATER)

Bureau Veritas ID		CSU688		
Sampling Date		2024/08/07 08:00		
COC Number		TV18080802		
	UNITS	DV TREATED DISTRO LOCATION: 131 MAIN STREET (DV WEST)	RDL	QC Batch
Heptachlor Epoxide	ug/L	<0.005	0.005	B488593
Oxychlordane	ug/L	<0.005	0.005	B488593
g-Chlordane	ug/L	<0.005	0.005	B488593
Dieldrin	ug/L	<0.005	0.005	B488593
o,p'-DDE	ug/L	<0.005	0.005	B488593
p,p'-DDE	ug/L	<0.005	0.005	B488593
o,p'-DDD	ug/L	<0.005	0.005	B488593
p,p'-DDD	ug/L	<0.005	0.005	B488593
p,p'-DDT	ug/L	<0.005	0.005	B488593
Methoxychlor	ug/L	<0.01	0.01	B488593
Aroclor 1016	ug/L	<0.05	0.05	B488593
Aroclor 1221	ug/L	<0.05	0.05	B488593
Aroclor 1232	ug/L	<0.05	0.05	B488593
Aroclor 1242	ug/L	<0.05	0.05	B488593
Aroclor 1248	ug/L	<0.05	0.05	B488593
Aroclor 1254	ug/L	<0.05	0.05	B488593
Aroclor 1260	ug/L	<0.05	0.05	B488593
Surrogate Recovery (%)				
2,4,5,6-Tetrachloro-m-xylene	%	75	N/A	B488593
Decachlorobiphenyl	%	94	N/A	B488593
RDL = Reportable Detection Limit				
N/A = Not Applicable				



GENERAL COMMENTS

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

Package 1	8.7°C
Package 2	12.6°C

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C460018
Report Date: 2024/08/24

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

QUALITY ASSURANCE REPORT

QA/QC		QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
Batch	Init							
B467606	NK3	Matrix Spike	D10-ANTHRACENE (sur.)	2024/08/08		107	%	50 - 130
			D8-ACENAPHTHYLENE (sur.)	2024/08/08		119	%	50 - 130
			D8-NAPHTHALENE (sur.)	2024/08/08		104	%	50 - 130
			TERPHENYL-D14 (sur.)	2024/08/08		116	%	50 - 130
			Acenaphthene	2024/08/08		87	%	50 - 130
			Acenaphthylene	2024/08/08		97	%	50 - 130
			Acridine	2024/08/08		104	%	50 - 130
			Anthracene	2024/08/08		93	%	50 - 130
			Benzo(a)anthracene	2024/08/08		102	%	50 - 130
			Benzo(b&j)fluoranthene	2024/08/08		100	%	50 - 130
			Benzo(k)fluoranthene	2024/08/08		102	%	50 - 130
			Benzo(g,h,i)perylene	2024/08/08		92	%	50 - 130
			Benzo(c)phenanthrene	2024/08/08		106	%	50 - 130
			Benzo(a)pyrene	2024/08/08		95	%	50 - 130
			Benzo(e)pyrene	2024/08/08		88	%	50 - 130
			Chrysene	2024/08/08		101	%	50 - 130
			Dibenz(a,h)anthracene	2024/08/08		95	%	50 - 130
			Fluoranthene	2024/08/08		106	%	50 - 130
			Fluorene	2024/08/08		101	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/08/08		92	%	50 - 130
			1-Methylnaphthalene	2024/08/08		74	%	50 - 130
			2-Methylnaphthalene	2024/08/08		86	%	50 - 130
			Naphthalene	2024/08/08		92	%	50 - 130
			Phenanthrene	2024/08/08		99	%	50 - 130
			Perylene	2024/08/08		86	%	50 - 130
			Pyrene	2024/08/08		104	%	50 - 130
			Quinoline	2024/08/08		90	%	50 - 130
B467606	NK3	Spiked Blank	D10-ANTHRACENE (sur.)	2024/08/08		96	%	50 - 130
			D8-ACENAPHTHYLENE (sur.)	2024/08/08		98	%	50 - 130
			D8-NAPHTHALENE (sur.)	2024/08/08		79	%	50 - 130
			TERPHENYL-D14 (sur.)	2024/08/08		104	%	50 - 130
			Acenaphthene	2024/08/08		78	%	50 - 130
			Acenaphthylene	2024/08/08		87	%	50 - 130
			Acridine	2024/08/08		99	%	50 - 130
			Anthracene	2024/08/08		89	%	50 - 130
			Benzo(a)anthracene	2024/08/08		99	%	50 - 130
			Benzo(b&j)fluoranthene	2024/08/08		94	%	50 - 130
			Benzo(k)fluoranthene	2024/08/08		102	%	50 - 130
			Benzo(g,h,i)perylene	2024/08/08		90	%	50 - 130
			Benzo(c)phenanthrene	2024/08/08		102	%	50 - 130
			Benzo(a)pyrene	2024/08/08		93	%	50 - 130
			Benzo(e)pyrene	2024/08/08		85	%	50 - 130
			Chrysene	2024/08/08		98	%	50 - 130
			Dibenz(a,h)anthracene	2024/08/08		93	%	50 - 130
			Fluoranthene	2024/08/08		103	%	50 - 130
			Fluorene	2024/08/08		94	%	50 - 130
			Indeno(1,2,3-cd)pyrene	2024/08/08		90	%	50 - 130
			1-Methylnaphthalene	2024/08/08		64	%	50 - 130
			2-Methylnaphthalene	2024/08/08		73	%	50 - 130
			Naphthalene	2024/08/08		86	%	50 - 130
			Phenanthrene	2024/08/08		96	%	50 - 130
			Perylene	2024/08/08		84	%	50 - 130



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018
Report Date: 2024/08/24

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B467606	NK3	Method Blank	Pyrene	2024/08/08		101	%	50 - 130
			Quinoline	2024/08/08		96	%	50 - 130
			D10-ANTHRACENE (sur.)	2024/08/08		89	%	50 - 130
			D8-ACENAPHTHYLENE (sur.)	2024/08/08		82	%	50 - 130
			D8-NAPHTHALENE (sur.)	2024/08/08		56	%	50 - 130
			TERPHENYL-D14 (sur.)	2024/08/08		96	%	50 - 130
			Acenaphthene	2024/08/08	<0.10		ug/L	
			Acenaphthylene	2024/08/08	<0.10		ug/L	
			Acridine	2024/08/08	<0.040		ug/L	
			Anthracene	2024/08/08	<0.010		ug/L	
			Benzo(a)anthracene	2024/08/08	<0.0085		ug/L	
			Benzo(b&j)fluoranthene	2024/08/08	<0.0085		ug/L	
			Benzo(k)fluoranthene	2024/08/08	<0.0085		ug/L	
			Benzo(g,h,i)perylene	2024/08/08	<0.0085		ug/L	
			Benzo(c)phenanthrene	2024/08/08	<0.050		ug/L	
			Benzo(a)pyrene	2024/08/08	<0.0075		ug/L	
			Benzo(e)pyrene	2024/08/08	<0.050		ug/L	
			Chrysene	2024/08/08	<0.0085		ug/L	
			Dibenz(a,h)anthracene	2024/08/08	<0.0075		ug/L	
			Fluoranthene	2024/08/08	<0.010		ug/L	
			Fluorene	2024/08/08	<0.050		ug/L	
			Indeno(1,2,3-cd)pyrene	2024/08/08	<0.0085		ug/L	
			1-Methylnaphthalene	2024/08/08	<0.10		ug/L	
			2-Methylnaphthalene	2024/08/08	<0.10		ug/L	
			Naphthalene	2024/08/08	<0.10		ug/L	
			Phenanthrene	2024/08/08	<0.050		ug/L	
			Perylene	2024/08/08	<0.050		ug/L	
			Pyrene	2024/08/08	<0.020		ug/L	
			Quinoline	2024/08/08	<0.20		ug/L	
B467609	GG3	Matrix Spike	O-TERPHENYL (sur.)	2024/08/08		97	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/08/08		88	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2024/08/08		96	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2024/08/08		88	%	60 - 140
B467609	GG3	Spiked Blank	O-TERPHENYL (sur.)	2024/08/08		96	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/08/08		91	%	60 - 140
			F3 (C16-C34 Hydrocarbons)	2024/08/08		98	%	60 - 140
			F4 (C34-C50 Hydrocarbons)	2024/08/08		90	%	60 - 140
B467609	GG3	Method Blank	O-TERPHENYL (sur.)	2024/08/08		96	%	60 - 140
			F2 (C10-C16 Hydrocarbons)	2024/08/08	<0.10		mg/L	
			F3 (C16-C34 Hydrocarbons)	2024/08/08	<0.10		mg/L	
			F4 (C34-C50 Hydrocarbons)	2024/08/08	<0.20		mg/L	
B467609	GG3	RPD	F2 (C10-C16 Hydrocarbons)	2024/08/08	7.8		%	30
			F3 (C16-C34 Hydrocarbons)	2024/08/08	5.0		%	30
			F4 (C34-C50 Hydrocarbons)	2024/08/08	3.8		%	30
B469621	DO1	Matrix Spike [CSU688-07]	1,4-Difluorobenzene (sur.)	2024/08/09		99	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/09		104	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/09		107	%	50 - 140
			Benzene	2024/08/09		115	%	50 - 140
			Toluene	2024/08/09		106	%	50 - 140
			Ethylbenzene	2024/08/09		109	%	50 - 140
			m & p-Xylene	2024/08/09		103	%	50 - 140
			o-Xylene	2024/08/09		106	%	50 - 140



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018

Report Date: 2024/08/24

DIAMOND VALLEY, TOWN OF

Client Project #: DIAMOND VALLEY DISTRIBUTION SY

Site Location: TOWN OF DIAMOND VALLEY

Your P.O. #: 319278

Sampler Initials: KF

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B469621	DO1	Spiked Blank	F1 (C6-C10)	2024/08/09		98	%	60 - 140
			1,4-Difluorobenzene (sur.)	2024/08/09		97	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/09		101	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/09		106	%	50 - 140
			Benzene	2024/08/09		111	%	60 - 130
			Toluene	2024/08/09		103	%	60 - 130
			Ethylbenzene	2024/08/09		106	%	60 - 130
			m & p-Xylene	2024/08/09		102	%	60 - 130
			o-Xylene	2024/08/09		103	%	60 - 130
			F1 (C6-C10)	2024/08/09		112	%	60 - 140
B469621	DO1	Method Blank	1,4-Difluorobenzene (sur.)	2024/08/09		100	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/09		109	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/09		106	%	50 - 140
			Benzene	2024/08/09	<0.40		ug/L	
			Toluene	2024/08/09	<0.40		ug/L	
			Ethylbenzene	2024/08/09	<0.40		ug/L	
			m & p-Xylene	2024/08/09	<0.80		ug/L	
			o-Xylene	2024/08/09	<0.40		ug/L	
			F1 (C6-C10)	2024/08/09	<100		ug/L	
B469621	DO1	RPD	Benzene	2024/08/09	NC		%	30
			Toluene	2024/08/09	NC		%	30
			Ethylbenzene	2024/08/09	NC		%	30
			m & p-Xylene	2024/08/09	NC		%	30
			o-Xylene	2024/08/09	NC		%	30
			F1 (C6-C10)	2024/08/09	NC		%	30
B469864	KHU	Matrix Spike [CSU688-14]	Total Mercury (Hg)	2024/08/09		98	%	80 - 120
B469864	KHU	Spiked Blank	Total Mercury (Hg)	2024/08/09		96	%	80 - 120
B469864	KHU	Method Blank	Total Mercury (Hg)	2024/08/09	<0.0019		ug/L	
B469864	KHU	RPD	Total Mercury (Hg)	2024/08/09	NC		%	20
B469999	NJD	Matrix Spike	Total Sulphide	2024/08/08		98	%	80 - 120
B469999	NJD	Spiked Blank	Total Sulphide	2024/08/08		90	%	80 - 120
B469999	NJD	Method Blank	Total Sulphide	2024/08/08	<0.0018		mg/L	
B469999	NJD	RPD	Total Sulphide	2024/08/08	NC		%	20
B470264	AFI	Matrix Spike	Nitrite (N)	2024/08/08		116	%	80 - 120
			Nitrate plus Nitrite (N)	2024/08/08		120	%	80 - 120
			Nitrite (N)	2024/08/08		103	%	80 - 120
B470264	AFI	Spiked Blank	Nitrate plus Nitrite (N)	2024/08/08		101	%	80 - 120
			Nitrite (N)	2024/08/09	<0.010		mg/L	
			Nitrate plus Nitrite (N)	2024/08/09	<0.010		mg/L	
B470264	AFI	RPD	Nitrite (N)	2024/08/08	NC		%	20
			Nitrate plus Nitrite (N)	2024/08/08	2.0		%	20
B470276	TOR	Matrix Spike	Chloride (Cl)	2024/08/08		NC	%	80 - 120
B470276	TOR	Spiked Blank	Chloride (Cl)	2024/08/08		101	%	80 - 120
B470276	TOR	Method Blank	Chloride (Cl)	2024/08/08	<1.0		mg/L	
B470276	TOR	RPD	Chloride (Cl)	2024/08/08	1.3		%	20
B470328	AP1	Matrix Spike [CSU688-06]	Free Chlorine	2024/08/08		100	%	80 - 120
B470328	AP1	Spiked Blank	Free Chlorine	2024/08/08		103	%	80 - 120
B470328	AP1	Method Blank	Free Chlorine	2024/08/08	<0.020		mg/L	
B470328	AP1	RPD [CSU688-06]	Free Chlorine	2024/08/08	2.5		%	20
B470329	AP1	Matrix Spike [CSU688-06]	Total Chlorine	2024/08/08		98	%	80 - 120
B470329	AP1	Spiked Blank	Total Chlorine	2024/08/08		99	%	80 - 120
B470329	AP1	Method Blank	Total Chlorine	2024/08/08	<0.020		mg/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B470329	AP1	RPD [CSU688-06]	Total Chlorine	2024/08/08	0		%	20
B470863	TOR	Matrix Spike	True Colour	2024/08/08		109	%	80 - 120
B470863	TOR	Spiked Blank	True Colour	2024/08/08		96	%	80 - 120
B470863	TOR	Method Blank	True Colour	2024/08/08	<2.0		PtCo units	
B470863	TOR	RPD	True Colour	2024/08/08	0.074		%	20
B472187	TNY	Spiked Blank	Turbidity	2024/08/09		102	%	80 - 120
B472187	TNY	Method Blank	Turbidity	2024/08/09	<0.10		NTU	
B472187	TNY	RPD	Turbidity	2024/08/09	4.7		%	20
B472842	TNY	Matrix Spike	Total Dissolved Solids	2024/08/11		98	%	80 - 120
B472842	TNY	Spiked Blank	Total Dissolved Solids	2024/08/11		99	%	80 - 120
B472842	TNY	Method Blank	Total Dissolved Solids	2024/08/11	<10		mg/L	
B472842	TNY	RPD	Total Dissolved Solids	2024/08/11	2.8		%	20
B473062	MDO	Matrix Spike	Strong Acid Dissoc. Cyanide (CN)	2024/08/10		93	%	80 - 120
B473062	MDO	Spiked Blank	Strong Acid Dissoc. Cyanide (CN)	2024/08/10		100	%	80 - 120
B473062	MDO	Method Blank	Strong Acid Dissoc. Cyanide (CN)	2024/08/10	<0.00050		mg/L	
B473062	MDO	RPD	Strong Acid Dissoc. Cyanide (CN)	2024/08/10	NC		%	20
B473181	J2B	Matrix Spike	Bromate	2024/08/10		92	%	80 - 120
B473181	J2B	Spiked Blank	Bromate	2024/08/10		101	%	80 - 120
B473181	J2B	Method Blank	Bromate	2024/08/10	<0.0095		mg/L	
B473181	J2B	RPD	Bromate	2024/08/10	NC		%	20
B473399	SNA	Matrix Spike	1,4-Difluorobenzene (sur.)	2024/08/12		99	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/12		98	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/12		102	%	50 - 140
			Bromodichloromethane	2024/08/12		110	%	50 - 140
			Bromoform	2024/08/12		108	%	50 - 140
			Carbon tetrachloride	2024/08/12		107	%	50 - 140
			Chlorobenzene	2024/08/12		105	%	50 - 140
			Dibromochloromethane	2024/08/12		110	%	50 - 140
			Chloroform	2024/08/12		108	%	50 - 140
			1,2-dichlorobenzene	2024/08/12		102	%	50 - 140
			1,4-dichlorobenzene	2024/08/12		98	%	50 - 140
			1,2-dichloroethane	2024/08/12		104	%	50 - 140
			1,1-dichloroethene	2024/08/12		102	%	50 - 140
			Dichloromethane	2024/08/12		97	%	50 - 140
			Methyl-tert-butylether (MTBE)	2024/08/12		101	%	50 - 140
			Tetrachloroethene	2024/08/12		104	%	50 - 140
			Trichloroethene	2024/08/12		107	%	50 - 140
			Trichlorofluoromethane	2024/08/12		98	%	50 - 140
			Vinyl chloride	2024/08/12		83	%	50 - 140
B473399	SNA	Spiked Blank	1,4-Difluorobenzene (sur.)	2024/08/12		100	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/12		98	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/12		102	%	50 - 140
			Bromodichloromethane	2024/08/12		112	%	60 - 130
			Bromoform	2024/08/12		110	%	60 - 130
			Carbon tetrachloride	2024/08/12		109	%	60 - 130
			Chlorobenzene	2024/08/12		107	%	60 - 130
			Dibromochloromethane	2024/08/12		111	%	60 - 130
			Chloroform	2024/08/12		111	%	60 - 130
			1,2-dichlorobenzene	2024/08/12		104	%	60 - 130
			1,4-dichlorobenzene	2024/08/12		99	%	60 - 130
			1,2-dichloroethane	2024/08/12		106	%	60 - 130
			1,1-dichloroethene	2024/08/12		103	%	60 - 130



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DIAMOND VALLEY, TOWN OF
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Your P.O. #: 319278
Sampler Initials: KF

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B473399	SNA	Method Blank	Dichloromethane	2024/08/12		97	%	60 - 130
			Methyl-tert-butylether (MTBE)	2024/08/12		103	%	60 - 130
			Tetrachloroethene	2024/08/12		106	%	60 - 130
			Trichloroethene	2024/08/12		109	%	60 - 130
			Trichlorofluoromethane	2024/08/12		100	%	60 - 130
			Vinyl chloride	2024/08/12		85	%	60 - 130
			1,4-Difluorobenzene (sur.)	2024/08/12		100	%	50 - 140
			4-Bromofluorobenzene (sur.)	2024/08/12		100	%	50 - 140
			D4-1,2-Dichloroethane (sur.)	2024/08/12		105	%	50 - 140
			Bromodichloromethane	2024/08/12	<0.50		ug/L	
			Bromoform	2024/08/12	<0.50		ug/L	
			Carbon tetrachloride	2024/08/12	<0.50		ug/L	
			Chlorobenzene	2024/08/12	<0.50		ug/L	
			Dibromochloromethane	2024/08/12	<1.0		ug/L	
			Chloroform	2024/08/12	<0.50		ug/L	
			1,2-dichlorobenzene	2024/08/12	<0.50		ug/L	
			1,4-dichlorobenzene	2024/08/12	<0.50		ug/L	
			1,2-dichloroethane	2024/08/12	<0.50		ug/L	
			1,1-dichloroethene	2024/08/12	<0.50		ug/L	
			Dichloromethane	2024/08/12	<2.0		ug/L	
			Methyl-tert-butylether (MTBE)	2024/08/12	<0.50		ug/L	
			Tetrachloroethene	2024/08/12	<0.50		ug/L	
			Trichloroethene	2024/08/12	<0.20		ug/L	
			Trichlorofluoromethane	2024/08/12	<0.50		ug/L	
			Vinyl chloride	2024/08/12	<0.50		ug/L	
B473399	SNA	RPD	1,2-dichloroethane	2024/08/12	NC		%	30
B473699	JU2	Spiked Blank	2,4-Dichlorophenyl Acetic Acid	2024/08/12		86	%	50 - 140
			MCPA	2024/08/12		99	%	50 - 140
B473699	JU2	Method Blank	2,4-Dichlorophenyl Acetic Acid	2024/08/12		91	%	50 - 140
			MCPA	2024/08/12	<0.020		ug/L	
B474144	SJ1	Spiked Blank	2,4,6-TRIBROMOPHENOL (sur.)	2024/08/12		113	%	50 - 140
			2,4-DIBROMOPHENOL (sur.)	2024/08/12		94	%	50 - 140
			2,3,4,6-tetrachlorophenol	2024/08/12		104	%	50 - 140
			2,4,6-trichlorophenol	2024/08/12		94	%	50 - 140
			2,4-dichlorophenol	2024/08/12		92	%	50 - 140
B474144	SJ1	Method Blank	2,4,6-TRIBROMOPHENOL (sur.)	2024/08/12		101	%	50 - 140
			2,4-DIBROMOPHENOL (sur.)	2024/08/12		94	%	50 - 140
			2,3,4,6-tetrachlorophenol	2024/08/12	<0.00010		mg/L	
			2,4,6-trichlorophenol	2024/08/12	<0.00010		mg/L	
			2,4-dichlorophenol	2024/08/12	<0.00010		mg/L	
B474196	JYU	Matrix Spike	Total Organic Carbon (C)	2024/08/12		101	%	75 - 125
B474196	JYU	Spiked Blank	Total Organic Carbon (C)	2024/08/12		103	%	80 - 120
B474196	JYU	Method Blank	Total Organic Carbon (C)	2024/08/12	<0.50		mg/L	
B474196	JYU	RPD	Total Organic Carbon (C)	2024/08/12	5.5		%	20
B474299	ISW	Matrix Spike [CSU688-13]	Total Ammonia (N)	2024/08/12		99	%	80 - 120
B474299	ISW	Spiked Blank	Total Ammonia (N)	2024/08/12		102	%	80 - 120
B474299	ISW	Method Blank	Total Ammonia (N)	2024/08/12	<0.015		mg/L	
B474299	ISW	RPD [CSU688-13]	Total Ammonia (N)	2024/08/12	NC		%	20
B474344	AYE	Spiked Blank	pH	2024/08/13		100	%	97 - 103
B474344	AYE	RPD	pH	2024/08/13	0.31		%	N/A
B474346	JVM	Matrix Spike	Dissolved Fluoride (F)	2024/08/13		98	%	80 - 120
B474346	JVM	Spiked Blank	Dissolved Fluoride (F)	2024/08/13		98	%	80 - 120



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B474346	JVM	Method Blank	Dissolved Fluoride (F)	2024/08/13	<0.050		mg/L	
B474346	JVM	RPD	Dissolved Fluoride (F)	2024/08/13	5.3		%	20
B474504	JAB	Matrix Spike	Total Aluminum (Al)	2024/08/12		NC	%	80 - 120
			Total Antimony (Sb)	2024/08/12		8.4 (1)	%	80 - 120
			Total Arsenic (As)	2024/08/12		111	%	80 - 120
			Total Beryllium (Be)	2024/08/12		96	%	80 - 120
			Total Chromium (Cr)	2024/08/12		NC	%	80 - 120
			Total Cobalt (Co)	2024/08/12		NC	%	80 - 120
			Total Copper (Cu)	2024/08/12		NC	%	80 - 120
			Total Lead (Pb)	2024/08/12		NC	%	80 - 120
			Total Molybdenum (Mo)	2024/08/12		62 (1)	%	80 - 120
			Total Nickel (Ni)	2024/08/12		NC	%	80 - 120
			Total Selenium (Se)	2024/08/12		88	%	80 - 120
			Total Silver (Ag)	2024/08/12		91	%	80 - 120
			Total Thallium (Tl)	2024/08/12		80	%	80 - 120
			Total Tin (Sn)	2024/08/12		43 (1)	%	80 - 120
			Total Titanium (Ti)	2024/08/12		NC	%	80 - 120
			Total Uranium (U)	2024/08/12		93	%	80 - 120
			Total Vanadium (V)	2024/08/12		NC	%	80 - 120
			Total Zinc (Zn)	2024/08/12		NC	%	80 - 120
B474504	JAB	Spiked Blank	Total Aluminum (Al)	2024/08/12		93	%	80 - 120
			Total Antimony (Sb)	2024/08/12		98	%	80 - 120
			Total Arsenic (As)	2024/08/12		96	%	80 - 120
			Total Beryllium (Be)	2024/08/12		92	%	80 - 120
			Total Chromium (Cr)	2024/08/12		93	%	80 - 120
			Total Cobalt (Co)	2024/08/12		93	%	80 - 120
			Total Copper (Cu)	2024/08/12		94	%	80 - 120
			Total Lead (Pb)	2024/08/12		95	%	80 - 120
			Total Molybdenum (Mo)	2024/08/12		93	%	80 - 120
			Total Nickel (Ni)	2024/08/12		92	%	80 - 120
			Total Selenium (Se)	2024/08/12		99	%	80 - 120
			Total Silver (Ag)	2024/08/12		92	%	80 - 120
			Total Thallium (Tl)	2024/08/12		96	%	80 - 120
			Total Tin (Sn)	2024/08/12		95	%	80 - 120
			Total Titanium (Ti)	2024/08/12		92	%	80 - 120
			Total Uranium (U)	2024/08/12		97	%	80 - 120
			Total Vanadium (V)	2024/08/12		94	%	80 - 120
			Total Zinc (Zn)	2024/08/12		92	%	80 - 120
B474504	JAB	Method Blank	Total Aluminum (Al)	2024/08/12	<0.0030		mg/L	
			Total Antimony (Sb)	2024/08/12	<0.00060		mg/L	
			Total Arsenic (As)	2024/08/12	<0.00020		mg/L	
			Total Beryllium (Be)	2024/08/12	<0.0010		mg/L	
			Total Chromium (Cr)	2024/08/12	<0.0010		mg/L	
			Total Cobalt (Co)	2024/08/12	<0.00030		mg/L	
			Total Copper (Cu)	2024/08/12	<0.0010		mg/L	
			Total Lead (Pb)	2024/08/12	<0.00020		mg/L	
			Total Molybdenum (Mo)	2024/08/12	<0.00020		mg/L	
			Total Nickel (Ni)	2024/08/12	<0.00050		mg/L	
			Total Selenium (Se)	2024/08/12	<0.00020		mg/L	
			Total Silver (Ag)	2024/08/12	<0.00010		mg/L	
			Total Thallium (Tl)	2024/08/12	<0.00020		mg/L	
			Total Tin (Sn)	2024/08/12	<0.0010		mg/L	



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B474504	JAB	RPD	Total Titanium (Ti)	2024/08/12	<0.0010		mg/L	
			Total Uranium (U)	2024/08/12	<0.00010		mg/L	
			Total Vanadium (V)	2024/08/12	<0.0010		mg/L	
			Total Zinc (Zn)	2024/08/12	<0.0030		mg/L	
			Total Aluminum (Al)	2024/08/12	NC		%	20
			Total Antimony (Sb)	2024/08/12	NC		%	20
			Total Arsenic (As)	2024/08/12	NC		%	20
			Total Beryllium (Be)	2024/08/12	NC		%	20
			Total Chromium (Cr)	2024/08/12	NC		%	20
			Total Cobalt (Co)	2024/08/12	NC		%	20
			Total Copper (Cu)	2024/08/12	NC		%	20
			Total Lead (Pb)	2024/08/12	NC		%	20
			Total Molybdenum (Mo)	2024/08/12	NC		%	20
			Total Nickel (Ni)	2024/08/12	NC		%	20
			Total Selenium (Se)	2024/08/12	NC		%	20
			Total Silver (Ag)	2024/08/12	NC		%	20
			Total Thallium (Tl)	2024/08/12	NC		%	20
			Total Tin (Sn)	2024/08/12	NC		%	20
			Total Titanium (Ti)	2024/08/12	NC		%	20
			Total Uranium (U)	2024/08/12	NC		%	20
B474506	S1D	Matrix Spike	Total Vanadium (V)	2024/08/12	NC		%	20
			Total Zinc (Zn)	2024/08/12	NC		%	20
			Total Barium (Ba)	2024/08/12		99	%	80 - 120
			Total Boron (B)	2024/08/12		96	%	80 - 120
			Total Calcium (Ca)	2024/08/12		NC	%	80 - 120
			Total Iron (Fe)	2024/08/12		NC	%	80 - 120
			Total Lithium (Li)	2024/08/12		101	%	80 - 120
			Total Magnesium (Mg)	2024/08/12		NC	%	80 - 120
			Total Manganese (Mn)	2024/08/12		99	%	80 - 120
			Total Phosphorus (P)	2024/08/12		100	%	80 - 120
			Total Potassium (K)	2024/08/12		101	%	80 - 120
			Total Silicon (Si)	2024/08/12		116	%	80 - 120
			Total Sodium (Na)	2024/08/12		NC	%	80 - 120
			Total Strontium (Sr)	2024/08/12		96	%	80 - 120
			Total Sulphur (S)	2024/08/12		NC	%	80 - 120
B474506	S1D	Spiked Blank	Total Barium (Ba)	2024/08/12		96	%	80 - 120
			Total Boron (B)	2024/08/12		93	%	80 - 120
			Total Calcium (Ca)	2024/08/12		95	%	80 - 120
			Total Iron (Fe)	2024/08/12		101	%	80 - 120
			Total Lithium (Li)	2024/08/12		96	%	80 - 120
			Total Magnesium (Mg)	2024/08/12		97	%	80 - 120
			Total Manganese (Mn)	2024/08/12		97	%	80 - 120
			Total Phosphorus (P)	2024/08/12		99	%	80 - 120
			Total Potassium (K)	2024/08/12		95	%	80 - 120
			Total Silicon (Si)	2024/08/12		99	%	80 - 120
			Total Sodium (Na)	2024/08/12		93	%	80 - 120
			Total Strontium (Sr)	2024/08/12		94	%	80 - 120
			Total Sulphur (S)	2024/08/12		95	%	80 - 120
B474506	S1D	Method Blank	Total Barium (Ba)	2024/08/12	<0.010		mg/L	
			Total Boron (B)	2024/08/12	<0.020		mg/L	
			Total Calcium (Ca)	2024/08/12	<0.30		mg/L	
			Total Iron (Fe)	2024/08/12	<0.060		mg/L	



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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B474506	S1D	RPD	Total Lithium (Li)	2024/08/12	<0.020		mg/L	
			Total Magnesium (Mg)	2024/08/12	<0.20		mg/L	
			Total Manganese (Mn)	2024/08/12	<0.0040		mg/L	
			Total Phosphorus (P)	2024/08/12	<0.10		mg/L	
			Total Potassium (K)	2024/08/12	<0.30		mg/L	
			Total Silicon (Si)	2024/08/12	<0.50		mg/L	
			Total Sodium (Na)	2024/08/12	<0.50		mg/L	
			Total Strontium (Sr)	2024/08/12	<0.020		mg/L	
			Total Sulphur (S)	2024/08/12	<0.20		mg/L	
			Total Barium (Ba)	2024/08/12	NC		%	20
			Total Boron (B)	2024/08/12	NC		%	20
			Total Calcium (Ca)	2024/08/12	NC		%	20
			Total Iron (Fe)	2024/08/12	NC		%	20
			Total Lithium (Li)	2024/08/12	NC		%	20
			Total Magnesium (Mg)	2024/08/12	NC		%	20
			Total Manganese (Mn)	2024/08/12	NC		%	20
			Total Phosphorus (P)	2024/08/12	NC		%	20
			Total Potassium (K)	2024/08/12	NC		%	20
			Total Silicon (Si)	2024/08/12	NC		%	20
			Total Sodium (Na)	2024/08/12	NC		%	20
			Total Strontium (Sr)	2024/08/12	NC		%	20
			Total Sulphur (S)	2024/08/12	NC		%	20
B474602	J2B	Matrix Spike	Chlorate (ClO3)	2024/08/15		105	%	80 - 120
			Chlorite (ClO2)	2024/08/15		98	%	80 - 120
B474602	J2B	Spiked Blank	Chlorate (ClO3)	2024/08/15		101	%	80 - 120
			Chlorite (ClO2)	2024/08/15		99	%	80 - 120
B474602	J2B	Method Blank	Chlorate (ClO3)	2024/08/15	<0.10		mg/L	
			Chlorite (ClO2)	2024/08/15	<0.10		mg/L	
B474602	J2B	RPD	Chlorate (ClO3)	2024/08/15	1.2		%	20
			Chlorite (ClO2)	2024/08/15	NC		%	20
B488556	CXU	Spiked Blank	D10-N-nitrosodiethylamine	2024/08/21		65	%	10 - 150
			D10-N-nitrosodiethylamine	2024/08/21		65	%	10 - 150
			D14-N-Nitrosodi-n-propylamine	2024/08/21		71	%	10 - 150
			D14-N-Nitrosodi-n-propylamine	2024/08/21		71	%	10 - 150
			D6-NDMA	2024/08/21		26	%	10 - 80
			D6-NDMA	2024/08/21		26	%	10 - 80
			D8-N-Nitrosomorpholine	2024/08/21		43	%	10 - 150
			D8-N-Nitrosomorpholine	2024/08/21		43	%	10 - 150
			N-Nitrosodimethylamine	2024/08/21		97	%	65 - 135
			N-Nitrosodimethylamine	2024/08/21		97	%	65 - 135
B488556	CXU	RPD	N-Nitrosodimethylamine	2024/08/21	0.36		%	25
			N-Nitrosodimethylamine	2024/08/21	0.36		%	25
B488556	CXU	Method Blank	D10-N-nitrosodiethylamine	2024/08/21		72	%	10 - 150
			D10-N-nitrosodiethylamine	2024/08/21		72	%	10 - 150
			D14-N-Nitrosodi-n-propylamine	2024/08/21		76	%	10 - 150
			D14-N-Nitrosodi-n-propylamine	2024/08/21		76	%	10 - 150
			D6-NDMA	2024/08/21		35	%	10 - 80
			D6-NDMA	2024/08/21		35	%	10 - 80
			D8-N-Nitrosomorpholine	2024/08/21		53	%	10 - 150
			D8-N-Nitrosomorpholine	2024/08/21		53	%	10 - 150
			N-Nitrosodimethylamine	2024/08/21	<2.0		ng/L	
			N-Nitrosodimethylamine	2024/08/21	<2.0		ng/L	



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018

Report Date: 2024/08/24

DIAMOND VALLEY, TOWN OF

Client Project #: DIAMOND VALLEY DISTRIBUTION SY

Site Location: TOWN OF DIAMOND VALLEY

Your P.O. #: 319278

Sampler Initials: KF

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488558	éMV	Matrix Spike	Nitritotriacetic acid	2024/08/09		80	%	80 - 120
B488558	éMV	Spiked Blank	Nitritotriacetic acid	2024/08/09		101	%	80 - 120
B488558	éMV	Method Blank	Nitritotriacetic acid	2024/08/09	<0.050		mg/L	
B488558	éMV	RPD	Nitritotriacetic acid	2024/08/09	NC		%	25
B488560	FKU	Matrix Spike	Glyphosate	2024/08/13		98	%	50 - 130
B488560	FKU	Spiked Blank	Glyphosate	2024/08/13		102	%	50 - 130
B488560	FKU	Method Blank	Glyphosate	2024/08/13	<10		ug/L	
B488563	éCK	Matrix Spike	2,3-Dibromopropionic Acid	2024/08/13		114	%	70 - 130
			2,3-Dibromopropionic Acid	2024/08/13		114	%	70 - 130
			Dalapon	2024/08/13		96	%	60 - 140
			Dalapon	2024/08/13		96	%	60 - 140
			Monochloroacetic Acid	2024/08/13		73	%	60 - 140
			Monochloroacetic Acid	2024/08/13		73	%	60 - 140
			Monobromoacetic Acid	2024/08/13		95	%	60 - 140
			Monobromoacetic Acid	2024/08/13		95	%	60 - 140
			Dichloroacetic Acid	2024/08/13		90	%	60 - 140
			Dichloroacetic Acid	2024/08/13		90	%	60 - 140
			Trichloroacetic Acid	2024/08/13		74	%	60 - 140
			Trichloroacetic Acid	2024/08/13		74	%	60 - 140
			Bromochloroacetic Acid	2024/08/13		108	%	60 - 140
			Bromochloroacetic Acid	2024/08/13		108	%	60 - 140
			Dibromoacetic Acid	2024/08/13		74	%	60 - 140
			Dibromoacetic Acid	2024/08/13		74	%	60 - 140
B488563	éCK	Spiked Blank	2,3-Dibromopropionic Acid	2024/08/13		98	%	70 - 130
			2,3-Dibromopropionic Acid	2024/08/13		98	%	70 - 130
			Dalapon	2024/08/13		97	%	70 - 130
			Dalapon	2024/08/13		97	%	70 - 130
			Monochloroacetic Acid	2024/08/13		84	%	70 - 130
			Monochloroacetic Acid	2024/08/13		84	%	70 - 130
			Monobromoacetic Acid	2024/08/13		94	%	70 - 130
			Monobromoacetic Acid	2024/08/13		94	%	70 - 130
			Dichloroacetic Acid	2024/08/13		81	%	70 - 130
			Dichloroacetic Acid	2024/08/13		81	%	70 - 130
			Trichloroacetic Acid	2024/08/13		71	%	70 - 130
			Trichloroacetic Acid	2024/08/13		71	%	70 - 130
			Bromochloroacetic Acid	2024/08/13		95	%	70 - 130
			Bromochloroacetic Acid	2024/08/13		95	%	70 - 130
			Dibromoacetic Acid	2024/08/13		120	%	70 - 130
			Dibromoacetic Acid	2024/08/13		120	%	70 - 130
B488563	éCK	Method Blank	2,3-Dibromopropionic Acid	2024/08/13		109	%	70 - 130
			2,3-Dibromopropionic Acid	2024/08/13		109	%	70 - 130
			Dalapon	2024/08/13	<5.0		ug/L	
			Dalapon	2024/08/13	<5.0		ug/L	
			Monochloroacetic Acid	2024/08/13	<5.0		ug/L	
			Monochloroacetic Acid	2024/08/13	<5.0		ug/L	
			Monobromoacetic Acid	2024/08/13	<5.0		ug/L	
			Monobromoacetic Acid	2024/08/13	<5.0		ug/L	
			Dichloroacetic Acid	2024/08/13	<5.0		ug/L	
			Dichloroacetic Acid	2024/08/13	<5.0		ug/L	
			Trichloroacetic Acid	2024/08/13	<5.0		ug/L	
			Trichloroacetic Acid	2024/08/13	<5.0		ug/L	
			Bromochloroacetic Acid	2024/08/13	<5.0		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488591	FKU	Matrix Spike	Bromochloroacetic Acid	2024/08/13	<5.0		ug/L	
			Dibromoacetic Acid	2024/08/13	<5.0		ug/L	
			Dibromoacetic Acid	2024/08/13	<5.0		ug/L	
			Total Haloacetic Acids	2024/08/13	<5.0		ug/L	
			Total Haloacetic Acids	2024/08/13	<5.0		ug/L	
B488591	FKU	Spiked Blank	Paraquat	2024/08/16		105	%	50 - 130
			Diquat	2024/08/16		99	%	50 - 130
B488591	FKU	Method Blank	Paraquat	2024/08/16		90	%	50 - 130
			Diquat	2024/08/16		89	%	50 - 130
B488591	FKU	Method Blank	Paraquat	2024/08/16	<1.0		ug/L	
			Diquat	2024/08/16	<7.0		ug/L	
B488592	MOW	Matrix Spike	Guthion (Azinphos-methyl)	2024/08/13		97	%	40 - 130
			Temephos	2024/08/13		89	%	40 - 130
			Diuron	2024/08/13		94	%	40 - 130
B488592	MOW	Spiked Blank	Guthion (Azinphos-methyl)	2024/08/13		97	%	40 - 130
			Temephos	2024/08/13		63	%	40 - 130
			Diuron	2024/08/13		96	%	40 - 130
B488592	MOW	Method Blank	Guthion (Azinphos-methyl)	2024/08/13	<2.0		ug/L	
			Temephos	2024/08/13	<10		ug/L	
			Diuron	2024/08/13	<10		ug/L	
B488593	éDU	Spiked Blank	2,4,5,6-Tetrachloro-m-xylene	2024/08/13		79	%	50 - 130
			a-BHC	2024/08/13		86	%	30 - 130
			a-Chlordane	2024/08/13		92	%	50 - 130
			b-BHC	2024/08/13		83	%	30 - 130
			d-BHC	2024/08/13		82	%	30 - 130
			Decachlorobiphenyl	2024/08/13		93	%	50 - 130
			Endosulfan I	2024/08/13		91	%	50 - 130
			Endosulfan II	2024/08/13		84	%	50 - 130
			Endosulfan Sulfate	2024/08/13		114	%	30 - 130
			Endrin	2024/08/13		92	%	50 - 130
			Endrin Aldehyde	2024/08/13		77	%	30 - 130
			Endrin ketone	2024/08/13		101	%	30 - 130
			Hexachlorobenzene	2024/08/13		81	%	50 - 130
			Mirex	2024/08/13		93	%	30 - 130
			o,p'-DDT	2024/08/13		90	%	50 - 130
			Octachlorostyrene	2024/08/13		86	%	30 - 130
			Lindane	2024/08/13		88	%	50 - 130
			Heptachlor	2024/08/13		60	%	50 - 130
			Aldrin	2024/08/13		90	%	50 - 130
			Heptachlor Epoxide	2024/08/13		93	%	50 - 130
			Oxychlordane	2024/08/13		94	%	30 - 130
			g-Chlordane	2024/08/13		95	%	50 - 130
			Dieldrin	2024/08/13		101	%	50 - 130
			o,p'-DDE	2024/08/13		95	%	50 - 130
			p,p'-DDE	2024/08/13		84	%	50 - 130
			o,p'-DDD	2024/08/13		112	%	50 - 130
			p,p'-DDD	2024/08/13		109	%	50 - 130
			p,p'-DDT	2024/08/13		76	%	50 - 130
			Methoxychlor	2024/08/13		83	%	50 - 130
B488593	éDU	RPD	a-BHC	2024/08/13	2.5		%	40
			a-Chlordane	2024/08/13	3.9		%	30
			b-BHC	2024/08/13	3.6		%	40



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018

Report Date: 2024/08/24

DIAMOND VALLEY, TOWN OF

Client Project #: DIAMOND VALLEY DISTRIBUTION SY

Site Location: TOWN OF DIAMOND VALLEY

Your P.O. #: 319278

Sampler Initials: KF

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488593	éDU	Method Blank	d-BHC	2024/08/13	3.5		%	40
			Endosulfan I	2024/08/13	2.1		%	30
			Endosulfan II	2024/08/13	5.3		%	30
			Endosulfan Sulfate	2024/08/13	1.7		%	40
			Endrin	2024/08/13	0.11		%	30
			Endrin Aldehyde	2024/08/13	3.2		%	40
			Endrin ketone	2024/08/13	4.1		%	40
			Hexachlorobenzene	2024/08/13	1.2		%	30
			Mirex	2024/08/13	2.4		%	40
			o,p'-DDT	2024/08/13	4.4		%	30
			Octachlorostyrene	2024/08/13	2.2		%	40
			Lindane	2024/08/13	3.5		%	30
			Heptachlor	2024/08/13	2.8		%	30
			Aldrin	2024/08/13	0.40		%	30
			Heptachlor Epoxide	2024/08/13	4.8		%	30
			Oxychlordane	2024/08/13	3.8		%	30
			g-Chlordane	2024/08/13	3.9		%	30
			Dieldrin	2024/08/13	5.4		%	30
			o,p'-DDE	2024/08/13	2.1		%	30
			p,p'-DDE	2024/08/13	5.2		%	30
			o,p'-DDD	2024/08/13	4.5		%	30
			p,p'-DDD	2024/08/13	4.4		%	30
			p,p'-DDT	2024/08/13	5.6		%	30
			Methoxychlor	2024/08/13	4.7		%	30
			2,4,5,6-Tetrachloro-m-xylene	2024/08/13		74	%	50 - 130
			a-BHC	2024/08/13	<0.005		ug/L	
			a-Chlordane	2024/08/13	<0.005		ug/L	
			b-BHC	2024/08/13	<0.005		ug/L	
			d-BHC	2024/08/13	<0.005		ug/L	
			Decachlorobiphenyl	2024/08/13		67	%	50 - 130
			Endosulfan I	2024/08/13	<0.005		ug/L	
			Endosulfan II	2024/08/13	<0.005		ug/L	
			Endosulfan Sulfate	2024/08/13	<0.005		ug/L	
			Endrin	2024/08/13	<0.005		ug/L	
			Endrin Aldehyde	2024/08/13	<0.005		ug/L	
			Endrin ketone	2024/08/13	<0.005		ug/L	
			Hexachlorobenzene	2024/08/13	<0.005		ug/L	
			Mirex	2024/08/13	<0.005		ug/L	
			o,p'-DDT	2024/08/13	<0.005		ug/L	
			Octachlorostyrene	2024/08/13	<0.005		ug/L	
			Toxaphene	2024/08/13	<0.2		ug/L	
			Lindane	2024/08/13	<0.003		ug/L	
			Heptachlor	2024/08/13	<0.005		ug/L	
			Aldrin	2024/08/13	<0.005		ug/L	
			Heptachlor Epoxide	2024/08/13	<0.005		ug/L	
			Oxychlordane	2024/08/13	<0.005		ug/L	
			g-Chlordane	2024/08/13	<0.005		ug/L	
			Dieldrin	2024/08/13	<0.005		ug/L	
			o,p'-DDE	2024/08/13	<0.005		ug/L	
			p,p'-DDE	2024/08/13	<0.005		ug/L	
			o,p'-DDD	2024/08/13	<0.005		ug/L	
			p,p'-DDD	2024/08/13	<0.005		ug/L	



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018
Report Date: 2024/08/24

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488595	éC2	Matrix Spike	p,p'-DDT	2024/08/13	<0.005		ug/L	
			Methoxychlor	2024/08/13	<0.01		ug/L	
			Aroclor 1016	2024/08/13	<0.05		ug/L	
			Aroclor 1221	2024/08/13	<0.05		ug/L	
			Aroclor 1232	2024/08/13	<0.05		ug/L	
			Aroclor 1242	2024/08/13	<0.05		ug/L	
			Aroclor 1248	2024/08/13	<0.05		ug/L	
			Aroclor 1254	2024/08/13	<0.05		ug/L	
			Aroclor 1260	2024/08/13	<0.05		ug/L	
			2,4,6-TRIBROMOPHENOL (sur.)	2024/08/16		66	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/16		69	%	30 - 130
			2-Fluorobiphenyl	2024/08/16		43	%	30 - 130
			D14-Terphenyl (FS)	2024/08/16		70	%	30 - 130
			D5-NITROBENZENE (sur.)	2024/08/16		63	%	30 - 130
			2,4,5-T	2024/08/16		73	%	30 - 130
			2,4-D	2024/08/16		69	%	30 - 130
			Alachlor	2024/08/16		68	%	40 - 130
			Aldicarb	2024/08/16		115	%	70 - 130
			Atrazine	2024/08/16		68	%	30 - 130
			Desethyl-atrazine	2024/08/16		68	%	30 - 130
			Atrazine + Desethyl-atrazine	2024/08/16		68	%	30 - 130
			Bendiocarb	2024/08/16		69	%	40 - 130
			Bromoxynil	2024/08/16		71	%	40 - 130
			Carbaryl	2024/08/16		70	%	40 - 130
			Carbofuran	2024/08/16		71	%	40 - 130
			Chlorpyrifos (Dursban)	2024/08/16		67	%	40 - 130
			Cyanazine (Bladex)	2024/08/16		57	%	40 - 130
			Diazinon	2024/08/16		69	%	40 - 130
			Dicamba	2024/08/16		67	%	30 - 130
			Diclofop-methyl	2024/08/16		68	%	40 - 130
			Dimethoate	2024/08/16		58	%	40 - 130
			Dinoseb (DNBP)	2024/08/16		64	%	40 - 130
			Malathion	2024/08/16		68	%	40 - 130
			Metolachlor	2024/08/16		63	%	40 - 130
			Metribuzin (Sencor)	2024/08/16		61	%	40 - 130
			Parathion	2024/08/16		62	%	40 - 130
			Pentachlorophenol	2024/08/16		76	%	25 - 130
			Phorate (Thimet)	2024/08/16		66	%	40 - 130
			Picloram	2024/08/16		34	%	10 - 130
			Prometryn	2024/08/16		119	%	30 - 130
			Simazine	2024/08/16		64	%	40 - 130
			Terbufos	2024/08/16		66	%	40 - 130
			Triallate	2024/08/16		68	%	40 - 130
			Trifluralin	2024/08/16		128	%	40 - 130
			Methyl parathion	2024/08/16		58	%	30 - 130
B488595	éC2	Spiked Blank	2,4,6-TRIBROMOPHENOL (sur.)	2024/08/16		54	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/16		52	%	30 - 130
			2-Fluorobiphenyl	2024/08/16		38	%	30 - 130
			D14-Terphenyl (FS)	2024/08/16		55	%	30 - 130
			D5-NITROBENZENE (sur.)	2024/08/16		51	%	30 - 130
			2,4,5-T	2024/08/16		58	%	30 - 130
			2,4-D	2024/08/16		54	%	30 - 130



**BUREAU
VERITAS**

Bureau Veritas Job #: C460018
Report Date: 2024/08/24

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

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488595	éC2	RPD	Alachlor	2024/08/16		55	%	40 - 130
			Aldicarb	2024/08/16		124	%	70 - 130
			Atrazine	2024/08/16		53	%	30 - 130
			Desethyl-atrazine	2024/08/16		72	%	30 - 130
			Atrazine + Desethyl-atrazine	2024/08/16		63	%	30 - 130
			Bendiocarb	2024/08/16		55	%	40 - 130
			Bromoxynil	2024/08/16		57	%	40 - 130
			Carbaryl	2024/08/16		56	%	40 - 130
			Carbofuran	2024/08/16		56	%	40 - 130
			Chlorpyrifos (Dursban)	2024/08/16		53	%	40 - 130
			Cyanazine (Bladex)	2024/08/16		44	%	40 - 130
			Diazinon	2024/08/16		55	%	40 - 130
			Dicamba	2024/08/16		52	%	30 - 130
			Diclofop-methyl	2024/08/16		54	%	40 - 130
			Dimethoate	2024/08/16		46	%	40 - 130
			Dinoseb (DNBP)	2024/08/16		50	%	40 - 130
			Malathion	2024/08/16		54	%	40 - 130
			Metolachlor	2024/08/16		51	%	40 - 130
			Metribuzin (Sencor)	2024/08/16		49	%	40 - 130
			Parathion	2024/08/16		48	%	40 - 130
			Pentachlorophenol	2024/08/16		61	%	25 - 130
			Phorate (Thimet)	2024/08/16		51	%	40 - 130
			Picloram	2024/08/16		22	%	10 - 130
			Prometryn	2024/08/16		127	%	30 - 130
			Simazine	2024/08/16		51	%	40 - 130
			Terbufos	2024/08/16		51	%	40 - 130
			Triallate	2024/08/16		54	%	40 - 130
			Trifluralin	2024/08/16		137 (2)	%	40 - 130
			Methyl parathion	2024/08/16		46	%	30 - 130
			2,4,5-T	2024/08/16	27		%	40
			2,4-D	2024/08/16	26		%	40
			Alachlor	2024/08/16	25		%	40
			Aldicarb	2024/08/16	12		%	40
			Atrazine	2024/08/16	27		%	40
			Desethyl-atrazine	2024/08/16	5.7		%	40
			Atrazine + Desethyl-atrazine	2024/08/16	9.7		%	40
			Bendiocarb	2024/08/16	26		%	40
			Bromoxynil	2024/08/16	25		%	40
			Carbaryl	2024/08/16	26		%	40
			Carbofuran	2024/08/16	28		%	40
			Chlorpyrifos (Dursban)	2024/08/16	26		%	40
			Cyanazine (Bladex)	2024/08/16	27		%	40
			Diazinon	2024/08/16	25		%	40
			Dicamba	2024/08/16	27		%	40
			Diclofop-methyl	2024/08/16	24		%	40
			Dimethoate	2024/08/16	28		%	40
			Dinoseb (DNBP)	2024/08/16	25		%	40
			Malathion	2024/08/16	25		%	40
			Metolachlor	2024/08/16	25		%	40
			Metribuzin (Sencor)	2024/08/16	28		%	40
			Parathion	2024/08/16	27		%	40
			Pentachlorophenol	2024/08/16	25		%	40



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B488595	éC2	Method Blank	Phorate (Thimet)	2024/08/16	27		%	40
			Picloram	2024/08/16	38		%	40
			Prometryn	2024/08/16	7.7		%	40
			Simazine	2024/08/16	26		%	40
			Terbufos	2024/08/16	29		%	40
			Triallate	2024/08/16	25		%	40
			Trifluralin	2024/08/16	8.3		%	40
			Methyl parathion	2024/08/16	25		%	40
			2,4,6-TRIBROMOPHENOL (sur.)	2024/08/15		55	%	30 - 130
			2,4-Dichlorophenyl Acetic Acid	2024/08/15		56	%	30 - 130
			2-Fluorobiphenyl	2024/08/15		49	%	30 - 130
			D14-Terphenyl (FS)	2024/08/15		59	%	30 - 130
			D5-NITROBENZENE (sur.)	2024/08/15		56	%	30 - 130
			2,4,5-T	2024/08/15	<1.0		ug/L	
			2,4-D	2024/08/15	<1.0		ug/L	
			Alachlor	2024/08/15	<0.50		ug/L	
			Aldicarb	2024/08/15	<5.0		ug/L	
			Atrazine	2024/08/15	<0.50		ug/L	
			Desethyl-atrazine	2024/08/15	<0.50		ug/L	
			Atrazine + Desethyl-atrazine	2024/08/15	<1.0		ug/L	
			Bendiocarb	2024/08/15	<2.0		ug/L	
			Bromoxynil	2024/08/15	<0.50		ug/L	
			Carbaryl	2024/08/15	<5.0		ug/L	
			Carbofuran	2024/08/15	<5.0		ug/L	
			Chlorpyrifos (Dursban)	2024/08/15	<1.0		ug/L	
			Cyanazine (Bladex)	2024/08/15	<1.0		ug/L	
			Diazinon	2024/08/15	<1.0		ug/L	
			Dicamba	2024/08/15	<1.0		ug/L	
			Diclofop-methyl	2024/08/15	<0.90		ug/L	
			Dimethoate	2024/08/15	<2.5		ug/L	
			Dinoseb (DNBP)	2024/08/15	<1.0		ug/L	
			Malathion	2024/08/15	<5.0		ug/L	
			Metolachlor	2024/08/15	<0.50		ug/L	
			Metribuzin (Sencor)	2024/08/15	<5.0		ug/L	
			Parathion	2024/08/15	<1.0		ug/L	
			Pentachlorophenol	2024/08/15	<0.50		ug/L	
			Phorate (Thimet)	2024/08/15	<0.50		ug/L	
			Picloram	2024/08/15	<5.0		ug/L	
			Prometryn	2024/08/15	<0.25		ug/L	
			Simazine	2024/08/15	<1.0		ug/L	
			Terbufos	2024/08/15	<0.50		ug/L	
			Triallate	2024/08/15	<1.0		ug/L	
			Trifluralin	2024/08/15	<1.0		ug/L	



QUALITY ASSURANCE REPORT(CONT'D)

QA/QC		QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
Batch	Init							
			Methyl parathion	2024/08/15	<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 above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.								



BUREAU
VERITAS

Bureau Veritas Job #: C460018

Report Date: 2024/08/24

DIAMOND VALLEY, TOWN OF

Client Project #: DIAMOND VALLEY DISTRIBUTION SY

Site Location: TOWN OF DIAMOND VALLEY

Your P.O. #: 319278

Sampler Initials: KF

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

Gita Pokhrel, Laboratory Supervisor

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

Louise Harding, Wet chemistry Analyst

Qiliang (Alex) Wu, Senior Analyst

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



BUREAU
VERITAS

Bureau Veritas Job #: C460018

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DIAMOND VALLEY, TOWN OF

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VALIDATION SIGNATURE PAGE(CONT'D)

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

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

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



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2024/08/07 11:25

Maxxim Analytics Inc.		Maxxim Analytics International Corporation o/a Maxxim Analytics 4000 19th Street NE, Calgary, Alberta Canada T2E 6P8 Tel: (403) 291-3077, Fax: (403) 735-2240, Toll free: (800) 366-7247		CHAIN OF CUSTODY RECORD												Page ____ of ____																							
INVOICE INFORMATION:				REPORT INFORMATION (if differs from invoice):								PROJECT INFORMATION:				Laboratory Use Only																							
Company Name: Town Of Diamond Valley (Account No. 91)				Company Name: Town Of Diamond Valley (Account No. 91)								Quotation #: _____				MAXXAM JOB #:		BOTTLE ORDER #:																					
Contact Name: Corinne Middleton				Contact Name: Terry Oram								P.O. #: _____																											
Address: 301 Center Ave West Diamond Valley, AB T0L 0H0				Address: 301 Center Ave West Diamond Valley T0L 0H0								Project #:				CHAIN OF CUSTODY # :		PROJECT MANAGER:																					
Phone: (403) 933-4348 Fax: _____				Phone: (403) 369-0252 Fax: _____								Site Location: Town of Diamond Valley				TV18080802		Geraldyn Gouthro																					
Email: _____				Email: terryo@diamondvalley.town								Sampled By: Kelly Frey																											
REGULATORY CRITERIA: CDWQG (Revised Feb 2017) 				SPECIAL INSTRUCTIONS: <u>Report Distribution</u> dennis@diamondvalley.town terryo@diamondvalley.town kellyv@diamondvalley.town corinnem@diamondvalley.town				ANALYSIS REQUESTED <table border="1" style="width:100%; height: 100px;"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																												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				MCAL Field Filled "Y" (Y/N) DVTDT				# of Bottles				Comments															
1 N/A				DV Treated Distro				08/07/2024 @ 8:00Hrs				W N X																26											
2 N/A				Location: 131 Main Street																																			
3 N/A				(DV WEST)																																			
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) <i>Kelly Frey</i>				Date: (YY/MM/DD) 2024/08/07				Time: 8:05 AM				RECEIVED BY: (Signature/Print) <i>Terry Oram</i>				Date: (YY/MM/DD) 2024/08/07				Time: 11:25				 MCAL-2024-08-509															
# of Jars Used & not submitted				Temperature (°C) on Receipt				Condition of Sample on Receipt				Custody Seal Intact on Cooler?																											

* 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 ANALYTICAL TAT DELAYS
 ** ALL SAMPLES ARE HELD FOR 60 DAYS AFTER SAMPLE RECEIPT. FOR SPECIAL REQUEST PLEASE CONTACT YOUR PROJECT MANAGER

12.6, 12.8, 12.5 CS-V ICE-4