

# Clinical Laboratory of San Bernardino, Inc.

Celebrating 50 Years of Analytical Service 1967-2017



Visionary Labels & Packaging LLC  
16641 Orange Way, Fontana, Ca. 92335  
Fontana CA, 92335

Project: Title 21  
Sub Project: Title 21  
Project Manager: Frank R. Sanchez

Work Order: 23D1365  
Received: 04/13/23 16:45  
Reported: 05/24/23

## Water Analysis

23D1365-01 (Water)

Sample Date: 04/13/23 12:00

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
<b>Microbiology Analyses</b>									
Total Coliform (10 Tube)	SM 9221	ND	1.1		MPN/100 mL	04/13/23	04/15/23	2316065	
Fecal Coliform (10 Tube)	SM 9221	ND	1.1		MPN/100 mL	04/13/23	04/15/23	2316065	
<b>General Physical Analyses</b>									
Apparent Color	SM 2120BM	ND	3.0	15	Color Units	04/13/23	04/13/23	2316044	
Odor Threshold	EPA 140.1-M	ND	1	3	TON	04/13/23	04/13/23	2316044	
<b>Turbidity</b>	EPA 180.1	<b>0.16</b>	0.10	5	NTU	04/13/23	04/13/23	2316044	
<b>General Chemical Analyses</b>									
<b>Alkalinity, Total (as CaCO<sub>3</sub>)</b>	SM 2320 B	<b>17</b>	5.0		mg/L	04/14/23	04/21/23	2315182	
<b>Bicarbonate (HCO<sub>3</sub>)</b>	SM 2320 B	<b>21</b>	5.0		mg/L	04/14/23	04/21/23	2315182	
Carbonate (CO <sub>3</sub> )	SM 2320B	ND	5.0		mg/L	04/14/23	04/21/23	2315182	
Chloride (Cl)	EPA 300.0	ND	1.0	500	mg/L	04/14/23	04/14/23	2315143	
Cl Res Total	SM 4500CIG	ND	0.04		mg/L	04/14/23	04/14/23	2315225	
Cyanide (CN)	SM4500CNF	ND	100	150	ug/L	04/17/23	04/17/23	2315037	
<b>Specific Conductance (E.C.)</b>	SM 2510B	<b>31</b>	2.0	1600	umhos/cm	04/14/23	04/21/23	2315182	
Fluoride (F)	EPA 300.0	ND	0.10	2	mg/L	04/14/23	04/14/23	2315143	
Hydroxide (OH)	SM 2320B	ND	5.0		mg/L	04/14/23	04/21/23	2315182	
MBAS (LAS Mole. Wt 340.0)	SM 5540C	ND	0.10	0.5	mg/L	04/14/23	04/14/23	2315207	
Nitrate as N (NO <sub>3</sub> -N)	EPA 300.0	ND	0.40	10	mg/L	04/14/23	04/14/23	2315143	
Nitrate + Nitrite (as N)	EPA 300.0	ND	0.40	10	mg/L	04/14/23	04/14/23	2315143	
Nitrite as N (NO <sub>2</sub> -N)	EPA 300.0	ND	0.40	1	mg/L	04/14/23	04/14/23	2315143	
Perchlorate (ClO <sub>4</sub> )	EPA 314.0	ND	2.0	6	ug/L	04/21/23	04/21/23	2316217	
<b>pH (Lab)</b>	SM 4500HB	<b>6.6</b>			pH Units	04/14/23	04/21/23	2315182	
Sulfate (SO <sub>4</sub> )	EPA 300.0	ND	0.50	500	mg/L	04/14/23	04/14/23	2315143	
<b>Total Filterable Residue/TDS</b>	SM 2540C	<b>17</b>	5.0	1000	mg/L	04/20/23	04/21/23	2316144	
<b>Metals</b>									
Aluminum (Al)	EPA 200.7	ND	50	200	ug/L	04/20/23	04/20/23	2316166	
Antimony (Sb)	EPA 200.8	ND	6.0	6	ug/L	04/20/23	04/20/23	2316156	
Arsenic (As)	EPA 200.8	ND	2.0	10	ug/L	04/20/23	04/20/23	2316156	
Barium (Ba)	EPA 200.7	ND	100	1000	ug/L	04/20/23	04/20/23	2316166	
Beryllium (Be)	EPA 200.8	ND	1.0	4	ug/L	04/20/23	04/20/23	2316156	
Boron (B)	EPA 200.7	ND	100		ug/L	04/20/23	04/20/23	2316166	
Cadmium (Cd)	EPA 200.8	ND	1.0	5	ug/L	04/20/23	04/20/23	2316156	
Calcium (Ca)	EPA 200.7	ND	1.0		mg/L	04/24/23	04/24/23	2317012	
Chromium (Total Cr)	EPA 200.8	ND	10	50	ug/L	04/20/23	04/20/23	2316156	
Copper (Cu)	EPA 200.7	ND	50	1000	ug/L	04/20/23	04/20/23	2316166	
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/20/23	04/20/23	2316166	
Lead (Pb)	EPA 200.8	ND	5.0		ug/L	04/20/23	04/20/23	2316156	

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## Water Analysis

23D1365-01 (Water)

Sample Date: 04/13/23 12:00

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
<b>Metals</b>									
Magnesium (Mg)	EPA 200.7	ND	1.0		mg/L	04/24/23	04/24/23	2317012	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/20/23	04/20/23	2316166	
Mercury (Hg)	EPA 200.8	ND	1.0	2	ug/L	04/25/23	04/25/23	2317041	
Nickel (Ni)	EPA 200.8	ND	10	100	ug/L	04/20/23	04/20/23	2316156	
Potassium (K)	EPA 200.7	ND	1.0		mg/L	04/24/23	04/24/23	2317012	
Selenium (Se)	EPA 200.8	ND	5.0	50	ug/L	04/20/23	04/20/23	2316156	
Silver (Ag)	EPA 200.8	ND	10	100	ug/L	04/20/23	04/20/23	2316156	
<b>Sodium (Na)</b>	EPA 200.7	<b>7.4</b>	1.0		mg/L	04/24/23	04/24/23	2317012	
Thallium (Tl)	EPA 200.8	ND	1.0	2	ug/L	04/20/23	04/20/23	2316156	
Vanadium (V)	EPA 200.8	ND	3.0		ug/L	04/20/23	04/20/23	2316156	
Zinc (Zn)	EPA 200.7	ND	50	5000	ug/L	04/20/23	04/20/23	2316166	
<b>Anion / Cation Balance</b>									
Hardness, Total (as CaCO3)	Calculated	ND	6.6		mg/L	04/24/23	04/24/23	[CALC]	
<b>Total Anions</b>	Calculated	<b>0.344</b>			meq/L	04/24/23	04/21/23	[CALC]	
<b>Total Cations</b>	Calculated	<b>0.322</b>			meq/L	04/24/23	04/24/23	[CALC]	
<b>% difference</b>	Calculated	<b>6.8</b>				04/24/23	04/21/23	[CALC]	
<b>Radiochemistry Analyses</b>									
Gross Alpha	SM 7110C	ND	3.0	15	pCi/L	04/21/23	04/26/23	2316203	
<b>Gross Alpha Counting Error</b>	SM 7110C	<b>0.36</b>			pCi/L	04/21/23	04/26/23	2316203	
<b>Gross Alpha Min Det Activity</b>	SM 7110C	<b>0.40</b>			pCi/L	04/21/23	04/26/23	2316203	
Uranium	EPA 200.8	ND	1.0	20	pCi/L	04/20/23	04/20/23	2316163	
<b>Volatile Organic Analyses</b>									
Vinyl Chloride (VC)	EPA 524.2	ND	0.50	0.5	ug/L	04/24/23	04/24/23	2317003	
Trichlorofluoromethane (FREON 11)	EPA 524.2	ND	5.0	150	ug/L	04/24/23	04/24/23	2317003	
1,1-Dichloroethylene (1,1-DCE)	EPA 524.2	ND	0.50	6	ug/L	04/24/23	04/24/23	2317003	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	1200	ug/L	04/24/23	04/24/23	2317003	
Dichloromethane (Methylene Chloride)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
trans-1,2-Dichloroethylene (t-1,2-DCE)	EPA 524.2	ND	0.50	10	ug/L	04/24/23	04/24/23	2317003	
Methyl tert-Butyl Ether	EPA 524.2	ND	3.0	13	ug/L	04/24/23	04/24/23	2317003	
1,1-Dichloroethane (1,1-DCA)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
cis-1,2-Dichloroethylene (c-1,2-DCE)	EPA 524.2	ND	0.50	6	ug/L	04/24/23	04/24/23	2317003	
Chloroform (Trichloromethane)	EPA 524.2	ND	1.0		ug/L	04/24/23	04/24/23	2317003	
Carbon Tetrachloride	EPA 524.2	ND	0.50	0.5	ug/L	04/24/23	04/24/23	2317003	
1,1,1-Trichloroethane (1,1,1-TCA)	EPA 524.2	ND	0.50	200	ug/L	04/24/23	04/24/23	2317003	
Benzene	EPA 524.2	ND	0.50	1	ug/L	04/24/23	04/24/23	2317003	
1,2-Dichloroethane (1,2-DCA)	EPA 524.2	ND	0.50	0.5	ug/L	04/24/23	04/24/23	2317003	
Trichloroethylene (TCE)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
1,2-Dichloropropane	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	

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## Water Analysis

23D1365-01 (Water)

Sample Date: 04/13/23 12:00

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
<b><u>Volatile Organic Analyses</u></b>									
Bromodichloromethane	EPA 524.2	ND	1.0		ug/L	04/24/23	04/24/23	2317003	
Toluene	EPA 524.2	ND	0.50	150	ug/L	04/24/23	04/24/23	2317003	
Tetrachloroethylene (PCE)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
1,1,2-Trichloroethane (1,1,2-TCA)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
Dibromochloromethane	EPA 524.2	ND	1.0		ug/L	04/24/23	04/24/23	2317003	
Monochlorobenzene (Chlorobenzene)	EPA 524.2	ND	0.50	70	ug/L	04/24/23	04/24/23	2317003	
Ethyl Benzene	EPA 524.2	ND	0.50	300	ug/L	04/24/23	04/24/23	2317003	
m,p-Xylene	EPA 524.2	ND	1.0		ug/L	04/24/23	04/24/23	2317003	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50		ug/L	04/24/23	04/24/23	2317003	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50		ug/L	04/24/23	04/24/23	2317003	
o-Xylene	EPA 524.2	ND	0.50		ug/L	04/24/23	04/24/23	2317003	
Styrene	EPA 524.2	ND	0.50	100	ug/L	04/24/23	04/24/23	2317003	
Bromoform	EPA 524.2	ND	1.0		ug/L	04/24/23	04/24/23	2317003	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50		ug/L	04/24/23	04/24/23	2317003	
1,4-Dichlorobenzene (p-DCB)	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
1,2-Dichlorobenzene (o-DCB)	EPA 524.2	ND	0.50	600	ug/L	04/24/23	04/24/23	2317003	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	5	ug/L	04/24/23	04/24/23	2317003	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	0.5	ug/L	04/24/23	04/24/23	2317003	
Total Trihalomethanes (TTHM)	EPA 524.2	ND	1.0	80	ug/L	04/24/23	04/24/23	2317003	
Total Xylenes (m,p & o)	EPA 524.2	ND	0.50	1750	ug/L	04/24/23	04/24/23	2317003	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	87 %				04/24/23	04/24/23	2317003	
Surrogate: Bromofluorobenzene	EPA 524.2	81 %				04/24/23	04/24/23	2317003	
<b><u>Semi-Volatile Organic Analyses / EPA 504</u></b>									
Ethylene Dibromide (EDB)	EPA 504.1	ND	0.020	0.05	ug/L	04/20/23	04/21/23	2316177	
Dibromochloropropane (DBCP)	EPA 504.1	ND	0.010	0.2	ug/L	04/20/23	04/21/23	2316177	
<b><u>Synthetic Organic Analyses</u></b>									
Endrin	EPA 508.1	ND	0.10	2	ug/L	04/20/23	04/25/23	2316167	
Lindane (gamma-BHC)	EPA 508.1	ND	0.20	0.2	ug/L	04/20/23	04/25/23	2316167	
Methoxychlor	EPA 508.1	ND	10	30	ug/L	04/20/23	04/25/23	2316167	
Toxaphene	EPA 508.1	ND	1.0	3	ug/L	04/20/23	04/25/23	2316167	
Chlordane	EPA 508.1	ND	0.10	0.1	ug/L	04/20/23	04/25/23	2316167	
Heptachlor	EPA 508.1	ND	0.010	0.01	ug/L	04/20/23	04/25/23	2316167	
Heptachlor Epoxide	EPA 508.1	ND	0.010	0.01	ug/L	04/20/23	04/25/23	2316167	
Hexachlorobenzene	EPA 508.1	ND	0.50	1	ug/L	04/20/23	04/25/23	2316167	
Hexachlorocyclopentadiene	EPA 508.1	ND	1.0	50	ug/L	04/20/23	04/25/23	2316167	
Polychlorinated Biphenyls (PCBs)	EPA 508.1	ND	0.50	0.5	ug/L	04/20/23	04/25/23	2316167	
Surrogate: 4-4'-Dichlorobiphenyl	EPA 508.1	116 %				04/20/23	04/25/23	2316167	
Dalapon	EPA 515.4	ND	10	200	ug/L	04/17/23	04/18/23	2316001	

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Received: 04/13/23 16:45  
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## Water Analysis

23D1365-01 (Water)

Sample Date: 04/13/23 12:00

Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
<b>Synthetic Organic Analyses</b>									
2,4,5-TP (SILVEX)	EPA 515.4	ND	1.0	50	ug/L	04/17/23	04/18/23	2316001	
Bentazon (BASAGRAN)	EPA 515.4	ND	2.0	18	ug/L	04/17/23	04/18/23	2316001	
Picloram	EPA 515.4	ND	1.0	500	ug/L	04/17/23	04/18/23	2316001	
2,4-D	EPA 515.4	ND	10	70	ug/L	04/17/23	04/18/23	2316001	
Pentachlorophenol (PCP)	EPA 515.4	ND	0.20	1	ug/L	04/17/23	04/18/23	2316001	
Dinoseb (DNBP)	EPA 515.4	ND	2.0	7	ug/L	04/17/23	04/18/23	2316001	
Surrogate: 2,4-Dichlorophenylacetic acid	EPA 515.4	93 %				04/17/23	04/18/23	2316001	
Alachlor (ALANEX)	EPA 525.2	ND	1.0	2	ug/L	04/25/23	05/10/23	2317033	
Atrazine (AATREX)	EPA 525.2	ND	0.50	1	ug/L	04/25/23	05/10/23	2317033	
Benzo(a)pyrene	EPA 525.2	ND	0.10	0.2	ug/L	04/25/23	05/10/23	2317033	
Diethylhexylphthalate (DEHP)	EPA 525.2	ND	3.0	4	ug/L	04/25/23	05/10/23	2317033	
Di(2-ethylhexyl) adipate	EPA 525.2	ND	5.0	400	ug/L	04/25/23	05/10/23	2317033	
Molinate (ORDRAM)	EPA 525.2	ND	2.0	20	ug/L	04/25/23	05/10/23	2317033	
Simazine (PRINCEP)	EPA 525.2	ND	1.0	4	ug/L	04/25/23	05/10/23	2317033	
Thiobencarb (BOLERO)	EPA 525.2	ND	1.0	70	ug/L	04/25/23	05/10/23	2317033	
Surrogate: 1,3-dimethyl-2-nitrobenzene	EPA 525.2	101 %				04/25/23	05/10/23	2317033	
Surrogate: Perylene-d12	EPA 525.2	68 %				04/25/23	05/10/23	2317033	QM-08
Surrogate: Triphenylphosphate	EPA 525.2	100 %				04/25/23	05/10/23	2317033	
Oxamyl (VYDATE)	EPA 531.1	ND	20	50	ug/L	04/14/23	04/17/23	2315140	
Carbofuran (FURADAN)	EPA 531.1	ND	5.0	18	ug/L	04/14/23	04/17/23	2315140	
Glyphosate	EPA 547	ND	25	700	ug/L	04/24/23	04/25/23	2317001	
Diquat	EPA 549.2	ND	4.0	20	ug/L	04/17/23	04/21/23	2316024	
<b>Haloacetic Acids Analyses</b>									
Dibromoacetic Acid	EPA 552.2	ND	1.0		ug/L	04/18/23	04/18/23	2316054	
Dichloroacetic Acid	EPA 552.2	ND	1.0		ug/L	04/18/23	04/18/23	2316054	
Monobromoacetic Acid	EPA 552.2	ND	1.0		ug/L	04/18/23	04/18/23	2316054	
Monochloroacetic Acid	EPA 552.2	ND	2.0		ug/L	04/18/23	04/18/23	2316054	
Trichloroacetic Acid	EPA 552.2	ND	1.0		ug/L	04/18/23	04/18/23	2316054	
Total Haloacetic Acids (HAA5)	EPA 552.2	ND	1.0	60	ug/L	04/18/23	04/18/23	2316054	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	88 %				04/18/23	04/18/23	2316054	

QM-08 The surrogate recovery was outside acceptance limits for this sample due to probable matrix interference.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

Cl Res Total was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

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Received: 04/13/23 16:45  
Reported: 05/24/23

A handwritten signature in black ink that reads 'Jeanette Hernandez'. The signature is written in a cursive style.

**Jeanette Hernandez**

**Project Manager**

**Work Orders:** 3D14106

**Report Date:** 5/17/2023

**Project:** 23D1365

**Received Date:** 4/14/2023

**Turnaround Time:** Normal

**Phones:** (909) 825-7693

**Fax:** (909) 825-7696

**Attn:** Bridget Durand

**P.O. #:**

**Client:** Clinical Laboratory of San Bernardino, Inc.  
21881 Barton Road  
Grand Terrace, CA 92313

**Billing Code:**

Dear Bridget Durand,

Enclosed are the results of analyses for samples received 4/14/23 with the Chain-of-Custody document. The samples were received in good condition, at 4.1 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Sample Results

Sample: Water Analysis / 23D1365-01  
3D14106-01 (Water)

Sampled: 04/14/23 12:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> EPA 1613B							
<b>Batch ID:</b> W3D2508		<b>Preparation:</b> EPA 3510C		<b>Instr:</b> GCMS15			
<b>Prepared:</b> 04/28/23 07:36		<b>Analyst:</b> EFC					
2,3,7,8-TCDD (Dioxin)	ND		5.00	pg/l	1	05/03/23	
<b>Method:</b> EPA 300.1							
<b>Batch ID:</b> W3D2074		<b>Preparation:</b> _NONE (LC)		<b>Instr:</b> LC08_Channel2			
<b>Prepared:</b> 04/24/23 10:33		<b>Analyst:</b> JAN					
Bromate	ND		5.0	ug/l	1	04/24/23	
Chlorite	ND		10	ug/l	1	04/24/23	
<i>Surrogate(s)</i>							
Dichloroacetate	97%		90-115	Conc: 487		04/24/23	
<b>Method:</b> EPA 420.4							
<b>Batch ID:</b> W3D1715		<b>Preparation:</b> MIDI-Distillation		<b>Instr:</b> AA03			
<b>Prepared:</b> 04/19/23 11:07		<b>Analyst:</b> HEQ					
Phenolics	ND		0.010	mg/l	1	04/23/23	
<b>Method:</b> SM 4500Cl-G							
<b>Batch ID:</b> W3D1374		<b>Preparation:</b> _NONE (WETCHEM)		<b>Instr:</b> UVVIS04			
<b>Prepared:</b> 04/14/23 16:10		<b>Analyst:</b> cpt					
Chlorine Residual, Free	ND		0.050	mg/l	1	04/14/23	*
Dichloramine	ND		0.050	mg/l	1	04/14/23	*
Monochloramine	ND		0.050	mg/l	1	04/14/23	*
<b>Method:</b> SM 4500ClO2-D							
<b>Batch ID:</b> W3D1374		<b>Preparation:</b> _NONE (WETCHEM)		<b>Instr:</b> UVVIS04			
<b>Prepared:</b> 04/14/23 16:10		<b>Analyst:</b> cpt					
Chlorine Dioxide as ClO2	ND		0.095	mg/l	1	04/14/23	*

## Quality Control Results

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
<b>Batch: W3D2074 - _NONE (LC)</b>										
<b>Blank (W3D2074-BLK1)</b>				<b>Prepared &amp; Analyzed: 04/24/23</b>						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
<i>Surrogate(s)</i>										
Dichloroacetate	487		ug/l	500		97	90-115			
<b>LCS (W3D2074-BS1)</b>				<b>Prepared &amp; Analyzed: 04/24/23</b>						
Bromate	102	5.0	ug/l	100		102	85-115			
Chlorite	87.2	10	ug/l	100		87	85-115			
<i>Surrogate(s)</i>										
Dichloroacetate	508		ug/l	500		102	90-115			
<b>Matrix Spike (W3D2074-MS1)</b>				<b>Source: 3C29010-01</b>			<b>Prepared &amp; Analyzed: 04/24/23</b>			
Bromate	98.7	5.0	ug/l	100	ND	99	64-133			
Chlorite	102	10	ug/l	100	ND	102	78-129			
<i>Surrogate(s)</i>										
Dichloroacetate	497		ug/l	500		99	90-115			
<b>Matrix Spike (W3D2074-MS2)</b>				<b>Source: 3C29010-02</b>			<b>Prepared &amp; Analyzed: 04/24/23</b>			
Bromate	101	5.0	ug/l	100	ND	101	64-133			
Chlorite	93.8	10	ug/l	100	ND	94	78-129			
<i>Surrogate(s)</i>										
Dichloroacetate	521		ug/l	500		104	90-115			
<b>Matrix Spike Dup (W3D2074-MSD1)</b>				<b>Source: 3C29010-01</b>			<b>Prepared &amp; Analyzed: 04/24/23</b>			
Bromate	98.6	5.0	ug/l	100	ND	99	64-133	0.2	20	
Chlorite	87.9	10	ug/l	100	ND	88	78-129	15	20	
<i>Surrogate(s)</i>										
Dichloroacetate	527		ug/l	500		105	90-115			
<b>Matrix Spike Dup (W3D2074-MSD2)</b>				<b>Source: 3C29010-02</b>			<b>Prepared &amp; Analyzed: 04/24/23</b>			
Bromate	102	5.0	ug/l	100	ND	102	64-133	1	20	
Chlorite	89.9	10	ug/l	100	ND	90	78-129	4	20	
<i>Surrogate(s)</i>										
Dichloroacetate	530		ug/l	500		106	90-115			

## Quality Control Results

(Continued)

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
<b>Batch: W3D1374 - _NONE (WETCHEM)</b>										
<b>Blank (W3D1374-BLK1)</b>				<b>Prepared &amp; Analyzed: 04/14/23</b>						
Chlorine Dioxide as ClO <sub>2</sub>	ND	0.095	mg/l							
Chlorine Residual, Free	ND	0.050	mg/l							
Dichloramine	ND	0.050	mg/l							
Monochloramine	ND	0.050	mg/l							
<b>LCS (W3D1374-BS1)</b>				<b>Prepared &amp; Analyzed: 04/14/23</b>						
Chlorine Dioxide as ClO <sub>2</sub>	0.380	0.095	mg/l	0.380		100	85-110			
Chlorine Residual, Free	0.217	0.050	mg/l	0.200		108	85-110			
<b>Duplicate (W3D1374-DUP1)</b>				<b>Source: 3D14106-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>			
Chlorine Dioxide as ClO <sub>2</sub>	0.0490	0.095	mg/l		0.0480			2	15	
Chlorine Residual, Free	0.0220	0.050	mg/l		0.0220			0	15	
Dichloramine	0.00400	0.050	mg/l		0.00200			67	200	
Monochloramine	0.00400	0.050	mg/l		0.00400			0	200	
<b>Matrix Spike (W3D1374-MS1)</b>				<b>Source: 3D14106-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>			
Chlorine Dioxide as ClO <sub>2</sub>	0.395	0.095	mg/l	0.380	0.0480	91	82-114			
Chlorine Residual, Free	0.233	0.050	mg/l	0.200	0.0220	106	79-116			
<b>Matrix Spike Dup (W3D1374-MSD1)</b>				<b>Source: 3D14106-01</b>			<b>Prepared &amp; Analyzed: 04/14/23</b>			
Chlorine Dioxide as ClO <sub>2</sub>	0.409	0.095	mg/l	0.380	0.0480	95	82-114	3	15	
Chlorine Residual, Free	0.222	0.050	mg/l	0.200	0.0220	100	79-116	5	15	
<b>Batch: W3D1715 - MIDI-Distillation</b>										
<b>Blank (W3D1715-BLK1)</b>				<b>Prepared: 04/19/23 Analyzed: 04/23/23</b>						
Phenolics	ND	0.010	mg/l							
<b>LCS (W3D1715-BS1)</b>				<b>Prepared: 04/19/23 Analyzed: 04/23/23</b>						
Phenolics	0.103	0.010	mg/l	0.100		103	90-110			
<b>Matrix Spike (W3D1715-MS1)</b>				<b>Source: 3D14106-01</b>			<b>Prepared: 04/19/23 Analyzed: 04/23/23</b>			
Phenolics	0.227	0.010	mg/l	0.250	ND	91	90-110			
<b>Matrix Spike Dup (W3D1715-MSD1)</b>				<b>Source: 3D14106-01</b>			<b>Prepared: 04/19/23 Analyzed: 04/23/23</b>			
Phenolics	0.227	0.010	mg/l	0.250	ND	91	90-110	0.2	20	
<b>Semivolatile Organics - Low Level by Tandem GC/MS/MS</b>										
Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
<b>Batch: W3D2508 - EPA 3510C</b>										
<b>Blank (W3D2508-BLK1)</b>				<b>Prepared: 04/28/23 Analyzed: 05/03/23</b>						
2,3,7,8-TCDD (Dioxin)	ND	5.00	pg/l							
<b>LCS (W3D2508-BS1)</b>				<b>Prepared: 04/28/23 Analyzed: 05/03/23</b>						
2,3,7,8-TCDD (Dioxin)	10.3	5.00	pg/l	10.0		103	73-146			
<b>LCS Dup (W3D2508-BS1)</b>				<b>Prepared: 04/28/23 Analyzed: 05/03/23</b>						
2,3,7,8-TCDD (Dioxin)	9.64	5.00	pg/l	10.0		96	73-146	7	20	



## Notes and Definitions

Item	Definition
*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

## Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
<b>SM 4500Cl-G in Water</b>			
Chlorine Residual, Free	7782-50-5	✓	
Monochloramine	10599-90-3	✓	
Dichloramine	3400-09-7	✓	

Reviewed by:



Rahul R. Nair  
Project Manager



DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • ISO17025 ANAB #L2457.01 • LACSD #10143

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*

2104-11

**SUBCONTRACT ORDER**  
**Clinical Laboratory of San Bernardino**  
**23D1365**

**SENDING LABORATORY:**

Clinical Laboratory of San Bernardino  
21881 Barton Road  
Grand Terrace, CA 92313  
Phone: 909.825.7693  
Fax: 909.825.7696  
Project Manager: Jeanette Hernandez

**RECEIVING LABORATORY:**

Davi Laboratories  
730 Alfred Nobel Drive  
Hercules, CA 94547  
Phone :(510) 724-9450  
Fax:

Please email results to Project Manager: Jeanette Hernandez

[ ] navarro@clinical-lab.com [ ] styles@clinical-lab.com [x] jhernandez@clinical-lab.com [ ] durand@clinical-lab.com

CLIP transfer those samples with PS codes provided [ ] Yes [x] No  
Water Trax Upload Client: \_\_\_\_\_ [ ] Yes [x] No  
GeoTracker Upload Client: \_\_\_\_\_ [ ] Yes [x] No  
MDL's / J Flags [ ] Yes [x] No

Turn Around Time [ ] 10 Days [ ] 5 Days [x] Other 8 Days

Subcontract Comments:

**Analysis**

**Comments**

**Sample ID: Water Analysis / 23D1365-01**

**Sampled: 04/13/23 12:00 PS Code: Water**

**WTX ID:**

Radium 228 EPA Ra-05  
Radium 226 EPA 903.1  
Gross Beta EPA 900.0

Containers Supplied:

1 Quart Plastic (P) 1/2 Gallon Plastic (Q)

Released By	<i>Jeanette Hernandez</i>	Date / Time	<i>4/14 6:30am</i>	Received By	<i>[Signature]</i>	Date / Time	<i>4/14/23 1419</i>
Released By	<i>[Signature]</i>	Date / Time	<i>4/19/23 1419</i>	Received By	<i>[Signature]</i>	Date / Time	<i>4/19/23 (1420)</i>

Samples Received on ( ) Wet Ice ( ) Blue Ice ( ) No Ice

Received Temp \_\_\_\_\_ ( F ) ( C )

18528



**DAVI LABORATORIES, ENVIRONMENTAL ASSOCIATES**  
730 Alfred Nobel Dr, Hercules CA 94547

**ANALYTICAL RESULTS  
REPORT**

Company: **Clinical Laboratory of San Bernardino**  
Address: 21881 Barton Road  
Grand Terrace, CA 92313

Project Manager: **J. Hernandez**  
Report Date: 4/25/2023  
Subcontractor Order: 23D1365  
Source Name:

**TABLE I**

Sample ID	Collection Date	Time	Matrix	EPA Method	Analyses	Results pCi/L	2 Sigma error	MDA
23D1365 -01	4/013/23	1200	Water					
Water Analysis				900.0	Gross Beta	4.54 ±	3.16	1.89
				903.1	Ra 226	0.07 ±	0.34	0.40
				904.0	Ra 228	0.86 ±	0.18	0.18

Analyst: PD  
Analyses Date: 4/23/2023

**TABLE II QA/QC**

Analyses	Spike Added	Detected Activity	% Agreement
Gross Beta	425.90 pCi/L	412.70 pCi/L	96.90
Ra 226	155.49 pCi/L	143.30 pCi/L	92.16
Ra 228	455.25 pCi/L	422.50 pCi/L	92.81

*Patricia Davi*

Davi Laboratories  
Patricia Davi  
QA/QC Manager

# Clinical Laboratory of San Bernardino, Inc. Chain of Custody

<b>Turn Around Time</b>																							
<b>Analysis Requested</b>		General Mineral	X																		1 - 1/2 gallon plastic		
		Inorganic Chemical / Gen Phys	X																			1 - Pint Plastic / Phys Glass	
		Phenolic Compounds	X																			1 - EPA 420.2 amber glass	
		Alpha/Beta/Uran/Rad 226, 228	X																			3 - 1/2 Gallon plastics	
		Volatile Organics	X																			2 - 40 ml EPA 524 vials	
		EDB / DBCP	X																				2 - 40 ml EPA 504 vials
		Chlorinated Pesticides	X																				1 - EPA 508 amber glass
		Chlorinated Herbicides	X																				1 - EPA 515 amber glass
		DEHP / DEHA / PAH /Triazine	X																				2 - EPA 525 amber glass
		Carbamate Pesticides	X																				1 - EPA 531 amber glass
		Glyphosate	X																				1 - EPA 547 amber glass
		Endothall	X																				1 - EPA 548 amber glass
		Diquat	X																				1 - EPA 549 amber plastic
Dioxin	X																				2 - EPA 1613 amber glass		
<b>Client Job No.</b>		<b>23D1365</b>		<b>Destination Laboratory</b>		<b>[X] Clinical Laboratory</b>		<b>[ ] Other:</b>		<b>Matrix</b>		<b>No.</b>		<b>Pres.</b>		<b>Date / Time</b>		<b>Received By (Sign)</b>		<b>Print Name / Company</b>			
<b>Client</b>		<b>Visionary Labels &amp; Packaging LLC</b>		<b>16641 Orange Way</b>		<b>Fontana, CA 92335</b>		<b>(562) 313-1870 FAX No.</b>		<b>Title 21</b>		<b>Water</b>		<b></b>		<b></b>		<b>4/13 10:45</b>		<b>Ju / CISB</b>			
<b>Address</b>		<b>16641 Orange Way</b>		<b>Fontana, CA 92335</b>		<b>(562) 313-1870 FAX No.</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>System No.</b>		<b>(562) 313-1870 FAX No.</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>Phone No.</b>		<b>(562) 313-1870 FAX No.</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>Project Name</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>Sampled By</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>Comments</b>		<b>Title 21</b>		<b>Water Analysis</b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>		<b></b>			
<b>Date</b>		<b>Time</b>		<b>Sample Identification</b>		<b>Matrix</b>		<b>No.</b>		<b>Pres.</b>		<b>Date / Time</b>		<b>Received By (Sign)</b>		<b>Print Name / Company</b>		<b>Relinquished By (Sign)</b>		<b>Comments:</b>			
04/13		12PM		Water Analysis		Water						4/13 10:45		Ju		Ju / CISB		18.1		Page ___ of ___			
<b>Preservatives:</b>		(1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		(3) Cold		(2) H <sub>2</sub> SO <sub>4</sub> /HCl		(4)															
<b>Relinquished By (Sign)</b>		<b>Print Name / Company</b>		<b>Date / Time</b>		<b>Received By (Sign)</b>		<b>Print Name / Company</b>		<b>Date / Time</b>		<b>Relinquished By (Sign)</b>		<b>Print Name / Company</b>		<b>Date / Time</b>		<b>Relinquished By (Sign)</b>		<b>Print Name / Company</b>			
<b>Rec'd at Lab By:</b>		<b>Shipped Via</b>		<b>Rec'd Date / Time:</b>		<b>UPS</b>		<b>Golden State</b>		<b>Fed X</b>		<b>Client</b>		<b>Other</b>		<b>Comments:</b>		<b>Page ___ of ___</b>		<b>18.1</b>			