



MBAS

Monterey Bay Analytical Services

4 Justin Court Suite D, Monterey, CA 93940

831.375.MBAS (6227)

www.MBASinc.com

City of San Juan Bautista

DDW

311 2nd St.

San Juan Bautista, CA 95045

ELAP Certification Number: 2385

Wednesday, February 20, 2019

Lab Number: 190123_34-01

Collection Date/Time: 1/23/2019 10:15

Sample Collector:

Madrigal, J Client Sample #:

Submittal Date/Time: 1/23/2019 15:44

Sample ID:

3510002 Coliform Designation: Routine

Sample Description: City of San Juan Bautista, 80 Long St

Analyte	Method	Unit	Result	Qual	Dil.	PQL	Anal. Date	Anal. Time	Analyst
Coliform, E Coli	Colitag-24hr	MPN/100mL	Absent		1	1	1/23/2019	16:45	MW
Coliform, Total	Colitag-24hr	MPN/100mL	Absent		1	1	1/23/2019	16:45	MW
Chlorine Residual (Field)	SM4500-CI G	mg/L	1.00		1	0.05	1/23/2019	10:15	

Comments:

Report Approved by:



David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

µg/L : Micrograms per liter (=ppb)

PQL : Practical Quantitation Limit

MCL : Maximum Contamination Level

H = Analyzed outside of hold time

E = Analysis performed by External Laboratory; See Report attachments

T = Temperature Exceedance

MDL = Method Detection Limit

J = Result is less than PQL

City of San Juan Bautista
 DDW
 311 2nd St.
 San Juan Bautista, CA 95045

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Wednesday, February 20, 2019

Lab Number: 190123_34-02 Sample Description: City of San Juan Bautista, Well-001

Collection Date/Time: 1/23/2019 10:46 Sample Collector: Madrigal, J Client Sample #:
 Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-001

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Nitrate as N	EPA300.0	mg/L	2.9	1		0.1	10	1/24/2019 6:13	HM

Lab Number: 190123_34-03 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 1/23/2019 11:07 Sample Collector: Madrigal, J Client Sample #:
 Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Manganese, Total	EPA200.7	µg/L	185	1		10	50	1/29/2019 15:59	HM

Lab Number: 190123_34-04 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 1/23/2019 11:09 Sample Collector: Madrigal, J Client Sample #:
 Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Nitrate as N	EPA300.0	mg/L	6.1	1		0.1	10	1/24/2019 6:29	HM

Lab Number: 190123_34-05 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 1/23/2019 11:13 Sample Collector: Madrigal, J Client Sample #:
 Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Volatile Organic Compounds (DW)	EPA524	µg/L	ND	1	E			1/28/2019 23:26	

Lab Number: 190123_34-06 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 1/23/2019 11:24 Sample Collector: Madrigal, J Client Sample #:
 Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
1,2,3-Trichloropropane	SRL 524M	µg/L	ND	1	E	0.005	0.005	1/29/2019 22:35	

mg/L : Milligrams per liter (=ppm) µg/L : Micrograms per liter (=ppb) PQL : Practical Quantitation Limit MCL : Maximum Contamination Level
 H = Analyzed outside of hold time E = Analysis performed by External Laboratory; See Report attachments T = Temperature Exceedance
 MDL = Method Detection Limit J = Result is less than PQL



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ELAP Certification Number: 2385

Wednesday, February 20, 2019

City of San Juan Bautista

DDW

311 2nd St.

San Juan Bautista, CA 95045

Lab Number: 190123_34-07 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 1/23/2019 11:02 Sample Collector: Madrigal, J Client Sample #:

Submittal Date/Time: 1/23/2019 15:44 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Analysis Date / Time	Analyst
Radium 226	EPA 903.1	pCi/L	0.000±0.096	1	E		5	2/19/2019 12:00	
Uranium, Radiological	EPA200.8	pCi/L	2.2	1		0.5	20	1/31/2019 12:00	MW
Uranium, Total	EPA200.8	µg/L	3.3	1		0.5		1/31/2019 12:00	MW
Gross Alpha	EPA900.0	pCi/L	3.69±1.58	1	E			2/19/2019 12:00	
Radium 228	EPA903.0	pCi/L	0.000±0.768	1	E			2/19/2019 12:00	

Report Approved by: 
David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

µg/L : Micrograms per liter (=ppb)

PQL : Practical Quantitation Limit

MCL : Maximum Contamination Level

H = Analyzed outside of hold time

E = Analysis performed by External Laboratory; See Report attachments

T = Temperature Exceedance

MDL = Method Detection Limit

J = Result is less than PQL

City of San Juan Bautista

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San Juan Bautista, CA 95045

QC Results

<u>QC Batch ID</u>	<u>QC ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>% Rec</u>	<u>% RPD</u>	<u>Control Limit</u>
QC19013009	190123_34-03: MS 1	Manganese, Total	1127.0	µg/L	94		70 - 130
	190123_34-03: MSD 1	Manganese, Total	1160.0	µg/L	97	3.4	0 - 20
	CCVB 1	Manganese, Total	ND	µg/L		< 0.1	
	LCB 1	Manganese, Total	ND	µg/L		< 0.1	
	LCS 1	Manganese, Total	982.8	µg/L	98		95 - 105
	LCSD 1	Manganese, Total	927.9	µg/L	93	5.7	0 - 10
	LFB 1	Manganese, Total	975.5	µg/L	98		85 - 115
	LFBD 1	Manganese, Total	1046.0	µg/L	105	7.0	0 - 20
	Method Blank 1	Manganese, Total	ND	µg/L		< 0.1	
	QCS 1	Manganese, Total	974.5	µg/L	97		95 - 105
QC19012409	190123_36-01: MS 1	Nitrate as N	8.82	mg/L	94		80 - 120
	190123_36-01: MSD 1	Nitrate as N	8.77	mg/L	92	2.8	0 - 10
	CCVB 1	Nitrate as N	ND	mg/L		< 0.1	
	LCS 1	Nitrate as N	2.12	mg/L	106		90 - 110
	LCSD 1	Nitrate as N	2.03	mg/L	101	4.2	0 - 10
	LCSL 1	Nitrate as N	0.19	mg/L	97		50 - 150
	Method Blank 1	Nitrate as N	ND	mg/L		< 0.1	
QC19020406	CCVB 1	Uranium, Radiological	ND	pCi/L		< 0.1	
	LCB 1	Uranium, Radiological	ND	pCi/L		< 0.1	
	Method Blank 1	Uranium, Radiological	ND	pCi/L		< 0.1	
	190123_34-07: MS 1	Uranium, Total	56.18	ug/L	106		70 - 130
	190123_34-07: MSD 1	Uranium, Total	57.28	ug/L	108	2.1	0 - 20
	CCVB 1	Uranium, Total	ND	ug/L		< 0.1	
	LCB 1	Uranium, Total	ND	ug/L		< 0.1	
	LCS 1	Uranium, Total	52.13	ug/L	104		85 - 115
	LCSD 1	Uranium, Total	54.83	ug/L	110	5.1	0 - 20
	LFB 1	Uranium, Total	55.33	ug/L	111		70 - 130
	LFBD 1	Uranium, Total	56.65	ug/L	113	2.4	0 - 20
	Method Blank 1	Uranium, Total	ND	ug/L		< 0.1	
	QCS 1	Uranium, Total	52.66	ug/L	105		85 - 115



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Wednesday, February 20, 2019

Sample Condition Upon Receipt

Order ID: 190123_34

Is there evidence of chilling?	Yes
*NOTE: Systems are encouraged but not required to hold samples <10°C (Microbiology) or <6°C (Chemistry) during transit.	
Did bottle arrive intact?	Yes
Did bottle labels agree with COC?	Yes
Adequate sample volume?	Yes
Sample preservative (HNO3, NaOH, H2SO4, Na2S2O3, HCl, Other)	#03 = 250mL preserved w/ HNO3 PS

190123-34

Monterey Bay Analytical Services Chain Of Custody / Analysis Request

4 Justin Ct. Suite D • Monterey, Ca 93940 • (831) 375-MBAS (6227) • (831) 641-0734 (Fax)



Client/Company Name: City of San Juan Bau	Attention: DDW	Analysis Requested					
Billing Address: PO Box 1420 San Juan Bautista Ca 95045		Coliform P/A	NO3	Manganese	VOC		
E-Mail Address(es): allclearwaterservices@yahoo.com						Contract/P.O. #:	
Turn Around Time: STD (7-14 Days) <input checked="" type="checkbox"/> 48-Hour <input type="checkbox"/> 5-Day <input type="checkbox"/> 24-Hour <input type="checkbox"/>						Phone # 831-537-5057 Fax #	
Project/System Information: 3510002		1, 2, 3, TCP Radiological: Uranium, GTA, RAD 226 & 228					
For Regulatory Compliance? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> For State or Local Health Department reporting: Electronic Data Transfer (EDT)? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> System ID Number: 3510002		Drinking water <input checked="" type="checkbox"/> Wastewater <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Soil <input type="checkbox"/> Sludge <input type="checkbox"/> Other <input type="checkbox"/>					

MBAS Lab #	Project ID or Source Code #	Sample Site / Description (Well Name, APN#, Address, Stormdrain #)	Sampling		Receiving Temp.	CL2 Residual	Coliform Analysis				# Cont.	Container		
			Date	Time			Routine	Other	Repeat	Special		Type	Size	
-01	3510002	80 Long St	1/23/19	10:15	7.3	1.0	✓				1			✓
-02	3510002-001	Well-001	1/23/19	10:46							1			✓
-03	350002-010	Well-006	1/23/19	11:07							1			✓
-04	3510002-010	Well-006	1/23/19	11:09							1			✓
-05	3510002-010	Well-006	1/23/19	11:13							3			✓
-06	3510002-010	Well-006	1/23/19	11:24							3			✓
-07	3510002-010	Well-006	1/23/19	11:02							2			✓

Printed Name	Signature	Date	Time	Comments or Special Instructions:
Sampled by: Jose Madrigal		1/23/19	11:45	
Relinquished by: Jose Madrigal		1/23/19	12:09	
Received by: Dylan Jones		1/23/19	1332	
Relinquished by: " "				
Received by: Pauline Setz Monterey Bay Analytical Services		1/23/19	1544	

<input type="checkbox"/> Payment received	Check #	Amount:	Receipt #	Date:
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Work Orders: 9A25032

Report Date: 2/04/2019

Project: 3510002

Received Date: 1/25/2019

Turnaround Time: Normal

Phones: (831) 375-6227

Fax: (831) 641-0734

Attn: David Holland

P.O. #:

Client: Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA •
NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

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.

Dear David Holland,

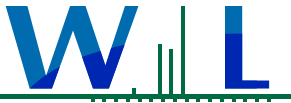
Enclosed are the results of analyses for samples received 1/25/19 with the Chain-of-Custody document. The samples were received in good condition, at 5.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Regina Giancola
Project Manager





WECK LABORATORIES, INC.

Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940

Certificate of Analysis

FINAL REPORT

Project Number: 3510002

Reported:

02/04/2019 10:45

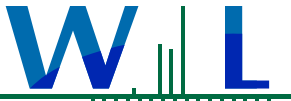
Project Manager: David Holland

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Well-006 3510002-010, RegID: 3510002-010	Jose Madrigal	9A25032-01	Water	01/23/19 11:13	
Well-006 3510002-010, RegID: 3510002-010	Jose Madrigal	9A25032-02	Water	01/23/19 11:24	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	By ANAB
SRL 524M-TCP in Water 1,2,3-Trichloropropane	96-18-4	✓	



WECK LABORATORIES, INC.

Monterey Bay Analytical Services
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Monterey, CA 93940

Project Number: 3510002

Project Manager: David Holland

Certificate of Analysis

FINAL REPORT

Reported:

02/04/2019 10:45

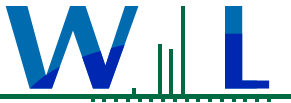
Sample Results

Sample: Well-006 3510002-010, RegID: 3510002-010

Sampled: 01/23/19 11:13 by Jose Madrigal

9A25032-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 524.2	Batch ID: W9A1474	Instr: GCMS14	Prepared: 01/28/19 14:56	Analyst: enf			
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l	1	01/28/19 23:26	
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l	1	01/28/19 23:26	
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l	1	01/28/19 23:26	
1,1-Dichloroethane	ND	0.12	0.50	ug/l	1	01/28/19 23:26	
1,1-Dichloroethene	ND	0.16	0.50	ug/l	1	01/28/19 23:26	
1,1-Dichloropropene	ND	0.14	0.50	ug/l	1	01/28/19 23:26	
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l	1	01/28/19 23:26	
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l	1	01/28/19 23:26	
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l	1	01/28/19 23:26	
1,2-Dichloroethane	ND	0.12	0.50	ug/l	1	01/28/19 23:26	
1,2-Dichloropropane	ND	0.13	0.50	ug/l	1	01/28/19 23:26	
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l	1	01/28/19 23:26	
1,3-Dichloropropane	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
1,3-Dichloropropene, Total	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
2,2-Dichloropropane	ND	0.17	0.50	ug/l	1	01/28/19 23:26	
2-Butanone	ND	0.72	5.0	ug/l	1	01/28/19 23:26	
2-Chloroethyl vinyl ether	ND	0.61	1.0	ug/l	1	01/28/19 23:26	
2-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
2-Hexanone	ND	1.2	5.0	ug/l	1	01/28/19 23:26	
4-Chlorotoluene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
4-Methyl-2-pentanone	ND	0.56	5.0	ug/l	1	01/28/19 23:26	
Benzene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
Bromobenzene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
Bromochloromethane	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
Bromodichloromethane	ND	0.090	0.50	ug/l	1	01/28/19 23:26	
Bromoform	ND	0.19	0.50	ug/l	1	01/28/19 23:26	
Bromomethane	ND	0.49	0.50	ug/l	1	01/28/19 23:26	
Carbon tetrachloride	ND	0.12	0.50	ug/l	1	01/28/19 23:26	
Chlorobenzene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
Chloroethane	ND	0.17	0.50	ug/l	1	01/28/19 23:26	
Chloroform	ND	0.12	0.50	ug/l	1	01/28/19 23:26	
Chloromethane	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
Dibromochloromethane	ND	0.20	0.50	ug/l	1	01/28/19 23:26	



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Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940

Project Number: 3510002

Project Manager: David Holland

Certificate of Analysis

FINAL REPORT

Reported:

02/04/2019 10:45

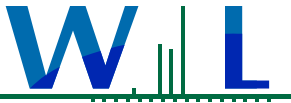
Sample Results

(Continued)

Sample: Well-006 3510002-010, RegID: 3510002-010
9A25032-01 (Water)

Sampled: 01/23/19 11:13 by Jose Madrigal
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 524.2	Batch ID: W9A1474	Instr: GCMS14	Prepared: 01/28/19 14:56	Analyst: enf			
Dibromomethane	ND	0.20	0.50	ug/l	1	01/28/19 23:26	
Dichlorodifluoromethane (Freon 12)	ND	0.12	0.50	ug/l	1	01/28/19 23:26	
Di-isopropyl ether	ND	0.80	2.0	ug/l	1	01/28/19 23:26	
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l	1	01/28/19 23:26	
Ethylbenzene	ND	0.21	0.50	ug/l	1	01/28/19 23:26	
Freon 113	ND	0.27	5.0	ug/l	1	01/28/19 23:26	
Hexachlorobutadiene	ND	0.40	0.50	ug/l	1	01/28/19 23:26	
Isopropylbenzene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
m,p-Xylene	ND	0.33	0.50	ug/l	1	01/28/19 23:26	
m-Dichlorobenzene	ND	0.14	0.50	ug/l	1	01/28/19 23:26	
Methyl tert-butyl ether (MTBE)	ND	0.19	2.0	ug/l	1	01/28/19 23:26	
Methylene chloride	ND	0.14	0.50	ug/l	1	01/28/19 23:26	
Naphthalene	ND	0.42	0.50	ug/l	1	01/28/19 23:26	
n-Butylbenzene	ND	0.29	0.50	ug/l	1	01/28/19 23:26	
n-Propylbenzene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
o-Dichlorobenzene	ND	0.19	0.50	ug/l	1	01/28/19 23:26	
o-Xylene	ND	0.20	0.50	ug/l	1	01/28/19 23:26	
p-Dichlorobenzene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
p-Isopropyltoluene	ND	0.25	0.50	ug/l	1	01/28/19 23:26	
sec-Butylbenzene	ND	0.24	0.50	ug/l	1	01/28/19 23:26	
Styrene	ND	0.19	0.50	ug/l	1	01/28/19 23:26	
Tert-amyl methyl ether	ND	0.59	2.0	ug/l	1	01/28/19 23:26	
tert-Butylbenzene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
Tetrachloroethene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
THMs, Total	ND	0.60	2.0	ug/l	1	01/28/19 23:26	
Toluene	ND	0.14	0.50	ug/l	1	01/28/19 23:26	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l	1	01/28/19 23:26	
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l	1	01/28/19 23:26	
Trichloroethene	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
Trichlorofluoromethane	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
Vinyl chloride	ND	0.18	0.50	ug/l	1	01/28/19 23:26	
Xylenes, Total	ND	0.33	1.0	ug/l	1	01/28/19 23:26	
<i>Surrogate(s)</i>							
1,2-Dichlorobenzene-d4	73%	Conc: 7.26	70-130			01/28/19 23:26	
4-Bromofluorobenzene	73%	Conc: 7.31	70-130			01/28/19 23:26	



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4 Justin Court, Suite D
Monterey, CA 93940

Project Number: 3510002

Project Manager: David Holland

Certificate of Analysis

FINAL REPORT

Reported:
02/04/2019 10:45

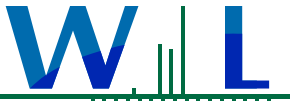
Sample Results

(Continued)

Sample: Well-006 3510002-010, RegID: 3510002-010
9A25032-02 (Water)

Sampled: 01/23/19 11:24 by Jose Madrigal

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM							
Method: SRL 524M-TCP	Batch ID: W9A1582	Instr: GCMS04	Prepared: 01/29/19 10:46	Analyst: enf			
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l	1	01/29/19 22:35	



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Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940

Certificate of Analysis

FINAL REPORT

Project Number: 3510002

Reported:

02/04/2019 10:45

Project Manager: David Holland

Quality Control Results

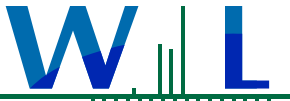
Low Level 1,2,3-TCP by SRL Method, P&T, GC/MS SIM

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1582 - SRL 524M-TCP											
Blank (W9A1582-BLK1)					Prepared & Analyzed: 01/29/19						
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l							
LCS (W9A1582-BS1)					Prepared & Analyzed: 01/29/19						
1,2,3-Trichloropropane	0.00523	0.0012	0.0050	ug/l	0.00500		105	80-120			
LCS Dup (W9A1582-BSD1)					Prepared & Analyzed: 01/29/19						
1,2,3-Trichloropropane	0.00551	0.0012	0.0050	ug/l	0.00500		110	80-120	5	20	
Duplicate (W9A1582-DUP1)					Prepared & Analyzed: 01/29/19						
		Source: 9A25045-01									
1,2,3-Trichloropropane	ND	0.0012	0.0050	ug/l		ND				20	

Quality Control Results

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1474 - EPA 524.2											
Blank (W9A1474-BLK1)					Prepared & Analyzed: 01/28/19						
1,1,1,2-Tetrachloroethane	ND	0.10	0.50	ug/l							
1,1,1-Trichloroethane	ND	0.11	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.19	0.50	ug/l							
1,1-Dichloroethane	ND	0.12	0.50	ug/l							
1,1-Dichloroethene	ND	0.16	0.50	ug/l							
1,1-Dichloropropene	ND	0.14	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	0.19	0.50	ug/l							
1,2,4-Trichlorobenzene	ND	0.17	0.50	ug/l							
1,2,4-Trimethylbenzene	ND	0.20	0.50	ug/l							
1,2-Dichloroethane	ND	0.12	0.50	ug/l							
1,2-Dichloropropane	ND	0.13	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.17	0.50	ug/l							
1,3-Dichloropropane	ND	0.11	0.50	ug/l							
1,3-Dichloropropene, Total	ND	0.15	0.50	ug/l							
2,2-Dichloropropane	ND	0.17	0.50	ug/l							
2-Butanone	ND	0.72	5.0	ug/l							
2-Chloroethyl vinyl ether	ND	0.61	1.0	ug/l							
2-Chlorotoluene	ND	0.15	0.50	ug/l							
2-Hexanone	ND	1.2	5.0	ug/l							
4-Chlorotoluene	ND	0.15	0.50	ug/l							
4-Methyl-2-pentanone	ND	0.56	5.0	ug/l							
Benzene	ND	0.15	0.50	ug/l							
Bromobenzene	ND	0.15	0.50	ug/l							
Bromochloromethane	ND	0.15	0.50	ug/l							



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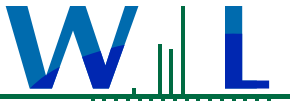
Project Manager: David Holland

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC		RPD		Qualifier
								Limits	RPD	Limit		
Batch: W9A1474 - EPA 524.2 (Continued)												
Blank (W9A1474-BLK1)						Prepared & Analyzed: 01/28/19						
Bromodichloromethane	ND	0.090	0.50	ug/l								
Bromoform	ND	0.19	0.50	ug/l								
Bromomethane	ND	0.49	0.50	ug/l								
Carbon tetrachloride	ND	0.12	0.50	ug/l								
Chlorobenzene	ND	0.15	0.50	ug/l								
Chloroethane	ND	0.17	0.50	ug/l								
Chloroform	ND	0.12	0.50	ug/l								
Chloromethane	ND	0.11	0.50	ug/l								
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/l								
cis-1,3-Dichloropropene	ND	0.11	0.50	ug/l								
Dibromochloromethane	ND	0.20	0.50	ug/l								
Dibromomethane	ND	0.20	0.50	ug/l								
Dichlorodifluoromethane (Freon 12)	ND	0.12	0.50	ug/l								
Di-isopropyl ether	ND	0.80	2.0	ug/l								
Ethyl tert-butyl ether	ND	0.40	2.0	ug/l								
Ethylbenzene	ND	0.21	0.50	ug/l								
Freon 113	ND	0.27	5.0	ug/l								
Hexachlorobutadiene	ND	0.40	0.50	ug/l								
Isopropylbenzene	ND	0.18	0.50	ug/l								
m,p-Xylene	ND	0.33	0.50	ug/l								
m-Dichlorobenzene	ND	0.14	0.50	ug/l								
Methyl tert-butyl ether (MTBE)	ND	0.19	2.0	ug/l								
Methylene chloride	ND	0.14	0.50	ug/l								
Naphthalene	ND	0.42	0.50	ug/l								
n-Butylbenzene	ND	0.29	0.50	ug/l								
n-Propylbenzene	ND	0.18	0.50	ug/l								
o-Dichlorobenzene	ND	0.19	0.50	ug/l								
o-Xylene	ND	0.20	0.50	ug/l								
p-Dichlorobenzene	ND	0.18	0.50	ug/l								
p-Isopropyltoluene	ND	0.25	0.50	ug/l								
sec-Butylbenzene	ND	0.24	0.50	ug/l								
Styrene	ND	0.19	0.50	ug/l								
Tert-amyl methyl ether	ND	0.59	2.0	ug/l								
tert-Butylbenzene	ND	0.18	0.50	ug/l								
Tetrachloroethene	ND	0.18	0.50	ug/l								
THMs, Total	ND	0.60	2.0	ug/l								
Toluene	ND	0.14	0.50	ug/l								
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/l								
trans-1,3-Dichloropropene	ND	0.15	0.50	ug/l								



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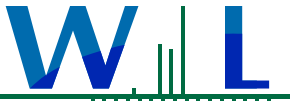
Project Manager: David Holland

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1474 - EPA 524.2 (Continued)											
Blank (W9A1474-BLK1) Prepared & Analyzed: 01/28/19											
Trichloroethene	ND	0.18	0.50	ug/l							
Trichlorofluoromethane	ND	0.18	0.50	ug/l							
Vinyl chloride	ND	0.18	0.50	ug/l							
Xylenes, Total	ND	0.33	0.50	ug/l							
<i>Surrogate(s)</i>											
1,2-Dichlorobenzene-d4	8.17			ug/l	10.0		82	70-130			
4-Bromofluorobenzene	8.21			ug/l	10.0		82	70-130			
LCS (W9A1474-BS1) Prepared & Analyzed: 01/28/19											
1,1,1,2-Tetrachloroethane	4.41	0.10	0.50	ug/l	5.00		88	70-130			
1,1,1-Trichloroethane	4.33	0.11	0.50	ug/l	5.00		87	70-130			
1,1,2,2-Tetrachloroethane	4.71	0.20	0.50	ug/l	5.00		94	70-130			
1,1,2-Trichloroethane	4.76	0.19	0.50	ug/l	5.00		95	70-130			
1,1-Dichloroethane	4.65	0.12	0.50	ug/l	5.00		93	70-130			
1,1-Dichloroethene	4.30	0.16	0.50	ug/l	5.00		86	70-130			
1,1-Dichloropropene	4.12	0.14	0.50	ug/l	5.00		82	70-130			
1,2,3-Trichlorobenzene	4.45	0.19	0.50	ug/l	5.00		89	70-130			
1,2,4-Trichlorobenzene	4.27	0.17	0.50	ug/l	5.00		85	70-130			
1,2,4-Trimethylbenzene	4.41	0.20	0.50	ug/l	5.00		88	70-130			
1,2-Dichloroethane	4.88	0.12	0.50	ug/l	5.00		98	70-130			
1,2-Dichloropropane	4.67	0.13	0.50	ug/l	5.00		93	70-130			
1,3,5-Trimethylbenzene	4.18	0.17	0.50	ug/l	5.00		84	70-130			
1,3-Dichloropropane	4.68	0.11	0.50	ug/l	5.00		94	70-130			
2,2-Dichloropropane	3.81	0.17	0.50	ug/l	5.00		76	70-130			
2-Butanone	4.59	0.72	5.0	ug/l	5.00		92	70-130			J
2-Chloroethyl vinyl ether	4.49	0.61	1.0	ug/l	5.00		90	70-130			
2-Chlorotoluene	4.37	0.15	0.50	ug/l	5.00		87	70-130			
2-Hexanone	4.14	1.2	5.0	ug/l	5.00		83	70-130			J
4-Chlorotoluene	4.43	0.15	0.50	ug/l	5.00		89	70-130			
4-Methyl-2-pentanone	4.44	0.56	5.0	ug/l	5.00		89	70-130			J
Benzene	4.63	0.15	0.50	ug/l	5.00		93	70-130			
Bromobenzene	4.52	0.15	0.50	ug/l	5.00		90	70-130			
Bromochloromethane	4.62	0.15	0.50	ug/l	5.00		92	70-130			
Bromodichloromethane	4.70	0.090	0.50	ug/l	5.00		94	70-130			
Bromoform	4.32	0.19	0.50	ug/l	5.00		86	70-130			
Bromomethane	4.51	0.49	0.50	ug/l	5.00		90	70-130			
Carbon tetrachloride	4.08	0.12	0.50	ug/l	5.00		82	70-130			
Chlorobenzene	4.49	0.15	0.50	ug/l	5.00		90	70-130			
Chloroethane	3.97	0.17	0.50	ug/l	5.00		79	70-130			
Chloroform	4.76	0.12	0.50	ug/l	5.00		95	70-130			



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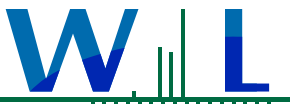
Project Manager: David Holland

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1474 - EPA 524.2 (Continued)					Prepared & Analyzed: 01/28/19						
LCS (W9A1474-BS1)											
Chloromethane	4.77	0.11	0.50	ug/l	5.00		95	70-130			
cis-1,2-Dichloroethene	4.68	0.11	0.50	ug/l	5.00		94	70-130			
cis-1,3-Dichloropropene	4.42	0.11	0.50	ug/l	5.00		88	70-130			
Dibromochloromethane	4.57	0.20	0.50	ug/l	5.00		91	70-130			
Dibromomethane	4.78	0.20	0.50	ug/l	5.00		96	70-130			
Dichlorodifluoromethane (Freon 12)	4.24	0.12	0.50	ug/l	5.00		85	70-130			
Di-isopropyl ether	4.62	0.80	2.0	ug/l	5.00		92	70-130			
Ethyl tert-butyl ether	4.54	0.40	2.0	ug/l	5.00		91	70-130			
Ethylbenzene	4.29	0.21	0.50	ug/l	5.00		86	70-130			
Freon 113	3.93	0.27	5.0	ug/l	5.00		79	70-130			J
Hexachlorobutadiene	4.03	0.40	0.50	ug/l	5.00		81	70-130			
Isopropylbenzene	4.19	0.18	0.50	ug/l	5.00		84	70-130			
m,p-Xylene	4.42	0.33	0.50	ug/l	5.00		88	70-130			
m-Dichlorobenzene	4.39	0.14	0.50	ug/l	5.00		88	70-130			
Methyl tert-butyl ether (MTBE)	4.61	0.19	2.0	ug/l	5.00		92	70-130			
Methylene chloride	4.84	0.14	0.50	ug/l	5.00		97	70-130			
Naphthalene	4.49	0.42	0.50	ug/l	5.00		90	70-130			
n-Butylbenzene	4.24	0.29	0.50	ug/l	5.00		85	70-130			
n-Propylbenzene	4.20	0.18	0.50	ug/l	5.00		84	70-130			
o-Dichlorobenzene	4.53	0.19	0.50	ug/l	5.00		91	70-130			
o-Xylene	4.39	0.20	0.50	ug/l	5.00		88	70-130			
p-Dichlorobenzene	4.46	0.18	0.50	ug/l	5.00		89	70-130			
p-Isopropyltoluene	4.08	0.25	0.50	ug/l	5.00		82	70-130			
sec-Butylbenzene	4.32	0.24	0.50	ug/l	5.00		86	70-130			
Styrene	4.41	0.19	0.50	ug/l	5.00		88	70-130			
Tert-amyl methyl ether	4.60	0.59	2.0	ug/l	5.00		92	70-130			
tert-Butylbenzene	4.10	0.18	0.50	ug/l	5.00		82	70-130			
Tetrachloroethene	4.37	0.18	0.50	ug/l	5.00		87	70-130			
Toluene	4.50	0.14	0.50	ug/l	5.00		90	70-130			
trans-1,2-Dichloroethene	4.53	0.11	0.50	ug/l	5.00		91	70-130			
trans-1,3-Dichloropropene	4.29	0.15	0.50	ug/l	5.00		86	70-130			
Trichloroethene	4.56	0.18	0.50	ug/l	5.00		91	70-130			
Trichlorofluoromethane	4.16	0.18	0.50	ug/l	5.00		83	70-130			
Vinyl chloride	4.17	0.18	0.50	ug/l	5.00		83	70-130			
<i>Surrogate(s)</i>											
1,2-Dichlorobenzene-d4	8.95			ug/l	10.0		90	70-130			
4-Bromofluorobenzene	8.88			ug/l	10.0		89	70-130			
LCS Dup (W9A1474-BSD1)					Prepared & Analyzed: 01/28/19						
1,1,1,2-Tetrachloroethane	4.40	0.10	0.50	ug/l	5.00		88	70-130	0.3	30	



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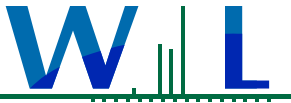
Project Manager: David Holland

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1474 - EPA 524.2 (Continued)					Prepared & Analyzed: 01/28/19						
LCS Dup (W9A1474-BSD1)											
1,1,1-Trichloroethane	4.32	0.11	0.50	ug/l	5.00		86	70-130	0.2	30	
1,1,2,2-Tetrachloroethane	4.56	0.20	0.50	ug/l	5.00		91	70-130	3	30	
1,1,2-Trichloroethane	4.69	0.19	0.50	ug/l	5.00		94	70-130	1	30	
1,1-Dichloroethane	4.58	0.12	0.50	ug/l	5.00		92	70-130	2	30	
1,1-Dichloroethene	4.32	0.16	0.50	ug/l	5.00		86	70-130	0.6	30	
1,1-Dichloropropene	4.22	0.14	0.50	ug/l	5.00		84	70-130	2	30	
1,2,3-Trichlorobenzene	4.51	0.19	0.50	ug/l	5.00		90	70-130	1	30	
1,2,4-Trichlorobenzene	4.29	0.17	0.50	ug/l	5.00		86	70-130	0.4	30	
1,2,4-Trimethylbenzene	4.37	0.20	0.50	ug/l	5.00		87	70-130	1	30	
1,2-Dichloroethane	4.78	0.12	0.50	ug/l	5.00		96	70-130	2	30	
1,2-Dichloropropane	4.62	0.13	0.50	ug/l	5.00		92	70-130	0.9	30	
1,3,5-Trimethylbenzene	4.17	0.17	0.50	ug/l	5.00		83	70-130	0.2	30	
1,3-Dichloropropane	4.64	0.11	0.50	ug/l	5.00		93	70-130	0.8	30	
2,2-Dichloropropane	3.78	0.17	0.50	ug/l	5.00		76	70-130	0.8	30	
2-Butanone	4.61	0.72	5.0	ug/l	5.00		92	70-130	0.3	30	J
2-Chloroethyl vinyl ether	4.59	0.61	1.0	ug/l	5.00		92	70-130	2	30	
2-Chlorotoluene	4.32	0.15	0.50	ug/l	5.00		86	70-130	1	30	
2-Hexanone	4.15	1.2	5.0	ug/l	5.00		83	70-130	0.2	30	J
4-Chlorotoluene	4.39	0.15	0.50	ug/l	5.00		88	70-130	0.8	30	
4-Methyl-2-pentanone	4.35	0.56	5.0	ug/l	5.00		87	70-130	2	30	J
Benzene	4.59	0.15	0.50	ug/l	5.00		92	70-130	0.9	30	
Bromobenzene	4.47	0.15	0.50	ug/l	5.00		89	70-130	1	30	
Bromochloromethane	4.57	0.15	0.50	ug/l	5.00		91	70-130	1	30	
Bromodichloromethane	4.59	0.090	0.50	ug/l	5.00		92	70-130	2	30	
Bromoform	4.29	0.19	0.50	ug/l	5.00		86	70-130	0.8	30	
Bromomethane	4.80	0.49	0.50	ug/l	5.00		96	70-130	6	30	
Carbon tetrachloride	4.05	0.12	0.50	ug/l	5.00		81	70-130	0.7	30	
Chlorobenzene	4.38	0.15	0.50	ug/l	5.00		88	70-130	2	30	
Chloroethane	3.92	0.17	0.50	ug/l	5.00		78	70-130	1	30	
Chloroform	4.60	0.12	0.50	ug/l	5.00		92	70-130	3	30	
Chloromethane	4.80	0.11	0.50	ug/l	5.00		96	70-130	0.6	30	
cis-1,2-Dichloroethene	4.63	0.11	0.50	ug/l	5.00		93	70-130	1	30	
cis-1,3-Dichloropropene	4.30	0.11	0.50	ug/l	5.00		86	70-130	3	30	
Dibromochloromethane	4.33	0.20	0.50	ug/l	5.00		87	70-130	5	30	
Dibromomethane	4.73	0.20	0.50	ug/l	5.00		95	70-130	1	30	
Dichlorodifluoromethane (Freon 12)	4.32	0.12	0.50	ug/l	5.00		86	70-130	2	30	
Di-isopropyl ether	4.61	0.80	2.0	ug/l	5.00		92	70-130	0.2	30	
Ethyl tert-butyl ether	4.47	0.40	2.0	ug/l	5.00		89	70-130	1	30	
Ethylbenzene	4.26	0.21	0.50	ug/l	5.00		85	70-130	0.6	30	



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Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W9A1474 - EPA 524.2 (Continued)											
LCS Dup (W9A1474-BSD1)					Prepared & Analyzed: 01/28/19						
Freon 113	3.97	0.27	5.0	ug/l	5.00		79	70-130	0.9	30	J
Hexachlorobutadiene	4.13	0.40	0.50	ug/l	5.00		83	70-130	3	30	
Isopropylbenzene	4.18	0.18	0.50	ug/l	5.00		84	70-130	0.1	30	
m,p-Xylene	4.36	0.33	0.50	ug/l	5.00		87	70-130	1	30	
m-Dichlorobenzene	4.35	0.14	0.50	ug/l	5.00		87	70-130	0.8	30	
Methyl tert-butyl ether (MTBE)	4.52	0.19	2.0	ug/l	5.00		90	70-130	2	30	
Methylene chloride	4.70	0.14	0.50	ug/l	5.00		94	70-130	3	30	
Naphthalene	4.56	0.42	0.50	ug/l	5.00		91	70-130	2	30	
n-Butylbenzene	4.32	0.29	0.50	ug/l	5.00		86	70-130	2	30	
n-Propylbenzene	4.22	0.18	0.50	ug/l	5.00		84	70-130	0.4	30	
o-Dichlorobenzene	4.47	0.19	0.50	ug/l	5.00		89	70-130	1	30	
o-Xylene	4.35	0.20	0.50	ug/l	5.00		87	70-130	1	30	
p-Dichlorobenzene	4.37	0.18	0.50	ug/l	5.00		87	70-130	2	30	
p-Isopropyltoluene	4.12	0.25	0.50	ug/l	5.00		82	70-130	1	30	
sec-Butylbenzene	4.39	0.24	0.50	ug/l	5.00		88	70-130	2	30	
Styrene	4.29	0.19	0.50	ug/l	5.00		86	70-130	3	30	
Tert-amyl methyl ether	4.52	0.59	2.0	ug/l	5.00		90	70-130	2	30	
tert-Butylbenzene	4.12	0.18	0.50	ug/l	5.00		82	70-130	0.4	30	
Tetrachloroethene	4.42	0.18	0.50	ug/l	5.00		88	70-130	1	30	
Toluene	4.50	0.14	0.50	ug/l	5.00		90	70-130	0.1	30	
trans-1,2-Dichloroethene	4.54	0.11	0.50	ug/l	5.00		91	70-130	0.2	30	
trans-1,3-Dichloropropene	4.22	0.15	0.50	ug/l	5.00		84	70-130	1	30	
Trichloroethene	4.57	0.18	0.50	ug/l	5.00		91	70-130	0.2	30	
Trichlorofluoromethane	4.13	0.18	0.50	ug/l	5.00		83	70-130	0.8	30	
Vinyl chloride	4.34	0.18	0.50	ug/l	5.00		87	70-130	4	30	
<i>Surrogate(s)</i>											
1,2-Dichlorobenzene-d4	8.76			ug/l	10.0		88	70-130			
4-Bromofluorobenzene	8.73			ug/l	10.0		87	70-130			



WECK LABORATORIES, INC.

Monterey Bay Analytical Services
4 Justin Court, Suite D
Monterey, CA 93940

Project Number: 3510002

Project Manager: David Holland

Certificate of Analysis

FINAL REPORT

Reported:
02/04/2019 10:45

Notes and Definitions

Item	Definition
J	Estimated conc. detected <MRL and >MDL.
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.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
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) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

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

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

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 MIS 002.

February 19, 2019

Monterey Bay Analytical Services
 4 Justin Court
 Monterey, CA 93940

Lab ID : SP 1901165
 Customer : 2-19144

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
 Sample Results (1 page) : Results for each sample submitted.
 Quality Control (1 page) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
WELL 06 - RAW	01/23/2019	01/25/2019	SP 1901165-001	DW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 3 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	02/19/2019:202432 All analysis quality controls are within established criteria
	01/30/2019:201075 All preparation quality controls are within established criteria
903.0	02/15/2019:202277 All analysis quality controls are within established criteria
	02/10/2019:201450 All preparation quality controls are within established criteria
Ra - 05	02/18/2019:202408 All analysis quality controls are within established criteria
	02/16/2019:201300 All preparation quality controls are within established criteria

February 19, 2019
Monterey Bay Analytical Services

Lab ID : SP 1901165
Customer : 2-19144

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**



Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2019-02-19

RADIO CHEMICALS ANALYSIS

Date of Report : February 19, 2019 Sample ID : SP 1901165-001
 Laboratory Name : **FGL Environmental** Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-02-19
 Sampled On : 01/23/2019-11:02
 Received On : 01/25/2019-10:15 Sampler : Jose Madrigal
 Completed On : 02/19/2019 Employed By : Not Available

System Name : SAN JUAN BAUTISTA, CITY OF Number : 3510002-010 **EDT**
 (190123_34-07)

Name Or Number of Sample Source : WELL 06 - RAW

User ID	: HEN	Station Number	: 3510002-010
Date/Time of Sample	: 1901231102 YYMMDDTTTT	Laboratory Code	: 5 8 6 7
Submitted By	: FGL Environmental	Phone #	: (805) 392-2000

RADIOLOGICAL

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
15 <input type="checkbox"/>	pCi/L	Gross Alpha	01501	3.69	3
	pCi/L	Gross Alpha Counting Error	01502	± 1.58	
	pCi/L	Gross Alpha MDA95	A-072	1.67	
2	pCi/L	Radium 228	11501	0.000	1
	pCi/L	Radium 228 Counting Error	11502	± 0.768	
	pCi/L	Radium 228 MDA95	A-075	0.506	
3	pCi/L	Ra-226 or Total Ra by 903.0	09501	0.000	1
	pCi/L	Ra-226 or Total Ra by 903.0 C.E.	09502	± 0.096	
	pCi/L	Ra-226 or Total Ra by 903.0 MDA95	A-074	0.304	

Including Radium But excluding Uranium. (Ref. Title 22 sec. 64442.)

MCL - Maximum Contaminant Level,

DLR -Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR



February 19, 2019
Monterey Bay Analytical Services

Lab ID : SP 1901165
Customer : 2-19144

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	02/19/19:202432KD	CCV CCB	cpm cpm	8315	38.1 % 0.10	35-47 0.2	
Gross Alpha	900.0	01/30/19:201075iwc (SP 1901167-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	130.0 130.0 130.0 130.0	0.32 90.9 % 101 % 79.3 % 23.1%	3 75-125 60-140 60-140 ≤30	
Alpha	903.0	02/15/19:202277AAT	CCV CCB	cpm cpm	8318	39.8 % 0.0600	37-46 0.12	
Total Alpha Radium (226)	903.0	02/10/19:201450emv	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	21.78 21.78 21.78 21.78	0.04 78.1 % 72.6 % 76.6 % 5.4%	2 52-107 43-111 43-111 ≤35.5	
Beta	Ra - 05	02/18/19:202408EMV	CCV CCB	cpm cpm	8316	87.9 % 0.4000	84-94 0.58	
Ra 228	Ra - 05	02/16/19:201300EMV	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	12.17 12.17 12.17 12.17	0.04 70.1 % 113 % 89.8 % 2.8	3 65-108 75-125 75-125 ≤3	
Definition								
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.							
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.							
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.							
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.							
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.							
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.							
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.							
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.							
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.							
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.							
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.							
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.							

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

- 1. Number of ice chests/packages received: 1
- 2. Shipper tracking numbers 543556409
- 3. Were samples received in a chilled condition?
Temps: 3 / / / / / /
- 4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
- 5. Do the number of bottles received agree with the COC? Yes No N/A
- 6. Verify sample date, time, sampler Yes No N/A
- 7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) Yes No
- 8. Were sample custody seals intact? Yes No N/A

Sample Verification, Labeling and Distribution:

- 1. Were all requested analyses understood and acceptable? Yes No
- 2. Did bottle labels correspond with the client's ID's? Yes No
- 3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
 [Exception: Oil & Grease, VOA and CrVI verified in lab]
- 4. VOAs checked for Headspace? Yes No N/A
- 5. Were all analyses within holding times at time of receipt? Yes No
- 6. Have rush or project due dates been checked and accepted? Yes No N/A

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by:

Reviewed and Approved By Shawn Peck  Digitally signed by Shawn Peck
Title: Sample Receiving
Date: 01/28/2019-10:04:53

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

(2019144)
Monterey Bay Analytical Services
SP 1901165
SRP-01/28/2019-10:04:53