



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

4 Justin Court Suite D, Monterey, CA 93940

831.375.MBAS (6227)

www.MBASinc.com

ELAP Certification Number: 2385

Monday, January 28, 2019

Lab Number 181228_20-01 Sample Description: City of San Juan Bautista, Well-001

Collection Date/Time: 12/27/2018 18:10 Sample Collector: Gonzales, D Client Sample #:

Submittal Date/Time: 12/28/2018 15:25 Sample ID: 3510002-001

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Radium 226	EPA 903.1	pCi/L	0.093±0.097	1	E		5	1/26/2019	12:00	
Radium 228	EPA903.0	pCi/L	0.000±0.676	1	E			1/26/2019	12:00	

Lab Number 181228_20-02 Sample Description: City of San Juan Bautista, Well-001

Collection Date/Time: 12/27/2018 18:14 Sample Collector: Gonzales, D Client Sample #:

Submittal Date/Time: 12/28/2018 15:25 Sample ID: 3510002-001

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Uranium, Radiological	EPA200.8	pCi/L	6.1	1	IJ	0.5	20	1/2/2019	18:45	MW
<i>IJ: LCS and/or CCV above acceptance limits.</i>										
Uranium, Total	EPA200.8	µg/L	9.1	1	IJ	0.5		1/2/2019	18:45	MW

Lab Number 181228_20-03 Sample Description: City of San Juan Bautista, Well-005

Collection Date/Time: 12/27/2018 17:30 Sample Collector: Gonzales, D Client Sample #:

Submittal Date/Time: 12/28/2018 15:25 Sample ID: 3510002-009

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Uranium, Radiological	EPA200.8	pCi/L	2.3	1		0.5	20	1/2/2019	19:00	MW
Uranium, Total	EPA200.8	µg/L	3.4	1		0.5		1/2/2019	19:00	MW

Lab Number 181228_20-04 Sample Description: City of San Juan Bautista, Well-005

Collection Date/Time: 12/27/2018 17:35 Sample Collector: Gonzales, D Client Sample #:

Submittal Date/Time: 12/28/2018 15:25 Sample ID: 3510002-009

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Volatile Organic Compounds (DW)	EPA524	µg/L	ND	1	E			1/4/2019	12:00	

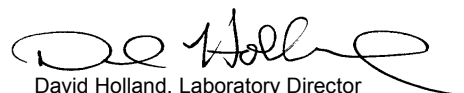
Lab Number 181228_20-05 Sample Description: City of San Juan Bautista, Well-006

Collection Date/Time: 12/27/2018 18:00 Sample Collector: Gonzales, D Client Sample #:

Submittal Date/Time: 12/28/2018 15:25 Sample ID: 3510002-010

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Perchlorate	EPA314.0	µg/L	ND	1		2	6	1/14/2019	14:09	BS

Report Approved by:


David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

H = Analyzed outside of hold time

MDL = Method Detection Limit

µg/L : Micrograms per liter (=ppb)

E = Analysis performed by External Laboratory; See Report attachments

J = Result is less than PQL

PQL : Practical Quantitation Limit

MCL : Maximum Contamination Level

T = Temperature Exceedance

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QC Results

QC Batch ID	QC ID	Parameter	Results	Units	% Rec	% RPD	Control Limit
QC19011502	190110_18-01: MS 1	Perchlorate	5.11	ug/L	102		85 - 115
	190110_18-01: MSD 1	Perchlorate	5.34	ug/L	107	4.4	0 - 10
	CCVB 1	Perchlorate	ND	µg/L		< 0.1	
	IPC 1	Perchlorate	4.35	µg/L	87		80 - 120
	LCS 1	Perchlorate	5.06	ug/L	101		90 - 110
	LCSD 1	Perchlorate	5.18	ug/L	104	2.3	0 - 10
	LCSL 1	Perchlorate	1.93	ug/L	97		75 - 125
	Method Blank 1	Perchlorate	ND	µg/L		< 0.1	
	QCS 1	Perchlorate	5.2	ug/L	104		90 - 110
QC19010310	CCVB 1	Uranium, Radiological	ND	pCi/L		< 0.1	
	Method Blank 1	Uranium, Radiological	ND	pCi/L		< 0.1	
QC19010311	CCVB 1	Uranium, Radiological	ND	pCi/L		< 0.1	
	Method Blank 1	Uranium, Radiological	ND	pCi/L		< 0.1	
QC19010310	181228_20-02: MS 1	Uranium, Total	65.53	ug/L	113		70 - 130
	181228_20-02: MSD 1	Uranium, Total	66.73	ug/L	115	2.1	0 - 20
	CCVB 1	Uranium, Total	ND	ug/L		< 0.1	
	LCS 1	Uranium, Total	50.85	ug/L	102		85 - 115
	LCSD 1	Uranium, Total	59.69	ug/L	119	16.0	0 - 20
	Method Blank 1	Uranium, Total	ND	ug/L		< 0.1	
	QCS 1	Uranium, Total	52.27	ug/L	105		85 - 115
QC19010311	181228_24-01: MS 1	Uranium, Total	58.74	ug/L	112		70 - 130
	181228_24-01: MSD 1	Uranium, Total	60.21	ug/L	115	2.6	0 - 20
	CCVB 1	Uranium, Total	ND	ug/L		< 0.1	
	LCS 1	Uranium, Total	50.85	ug/L	102		85 - 115
	LCSD 1	Uranium, Total	46.96	ug/L	94	8.0	0 - 20
	Method Blank 1	Uranium, Total	ND	ug/L		< 0.1	
	QCS 1	Uranium, Total	52.27	ug/L	105		85 - 115



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ELAP Certification Number: 2385

Monday, January 28, 2019

Sample Condition Upon Receipt

Order ID: 181228_20

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

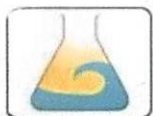
Sample preservative (HNO₃, NaOH, H₂SO₄, Na₂S₂O₃, HCl, Other)

#02-03 = 250mL preserved w/ HNO₃
PS

181228-20

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)



MBAS

Monterey Bay Analytical Services
Project/System Information:

 For Regulatory Compliance? YES ☐ NO ☐

For State or Local Health Department reporting:

 Electronic Data Transfer (EDT)? YES ☐ NO ☐

 System ID Number: 3510002

Client/Company Name:

San Juan Bautista

Attention:

DDW

Billing Address:

P.O. Box 1420 San Juan Bautista, Ca 95045

E-Mail Address(es):

allclearwaterservices@yahoo.com

Contract/P.O.#:

Turn Around Time:

 STD (7-14 Days) ☒ 48-Hour ☐

 5-Day ☒ 24-Hour ☐

Phone #

831-537-5057

Fax #

 Drinking water ☒ Wastewater ☐ Monitoring Well ☐ Soil ☐ Sludge ☐ Other ☐

Analysis Requested

Radium 226/228

Uranium

VOC

Perchlorate

MBAS Lab #	Project ID or Source Code #	Sample Site / Description (Well Name, APN#, Address, Stormdrain #)	Sampling Date	Receiving Temp.	CL2 Residual	Coliform Routine	Analysis Other	Repeat	Special	# Cont.	ainer Size	Type						
-01	3510002-001	Well - 001	12/27/18	1810	3.7	—	✓			2			✓					
-02	3510002-001	Well - 001	12/27/18	1814	3.3		✓			1				✓				
-03	3510002-009	Well - 005	12/27/18	1730	3.4		✓							✓				
-04	3510002-009	Well - 005	12/27/18	1735	5.5		✓			3					✓			
-05	3510003-010	Well - 006	12/27/18	1800	3.2		✓			1						✓		

Printed Name

Danny Gonzales

Signature

Date

Time

Comments or Special Instructions:

12/28/18 0900

12/28/18 0900

☐ Payment received

Check #

Amount:

Receipt #

Date:

Pauline Seto

Pauline Seto

12/28/18 1525



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

A9A0198

1/17/2019

Invoice: A901160

David Holland
Monterey Bay Analytical
4 Justin Court Suite D
Monterey, CA 93940

RE: Report for A9A0198 General EDT

Dear David Holland,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 1/3/2019. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Jaime Lee LaFave, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

A handwritten signature in blue ink that reads "Jaime LaFave".

Jaime Lee LaFave, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021-009

Case Narrative

Project and Report Details	Invoice Details
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Client: Monterey Bay Analytical Report To: David Holland Project #: San Juan Bautista Received: 1/03/2019 - 10:12 Report Due: 1/17/2019	Invoice To: Monterey Bay Analytical Invoice Attn: David Holland Project PO#: -
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Sample Receipt Conditions

Cooler: Default Cooler Temperature on Receipt °C: 4.1	Containers Intact COC/Labels Agree Received On Wet Ice Packing Material - Bubble Wrap Sample(s) were received in temperature range. Initial receipt at BSK-FAL
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Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

BS	Blank spike recoveries did not meet acceptance limits.
BS1.0	Blank spike recovery for this analyte was biased high; no material impact on reported result as sample is ND for this parameter.
CV0.0	CCV recovery was above method acceptance limits; no material impact on reported result as sample is ND for this parameter.

Report Distribution

Recipient(s)	Report Format	CC:
David Holland	FINAL.RPT	
David Holland	WRITEON.RPT	
Monterey Bay Analytical Services	FINAL.RPT	
Monterey Bay Analytical Services	WRITEON.RPT	

Certificate of Analysis

Sample ID: A9A0198-01

Sampled By: Danny Gonzales

Sample Description: Well - 005 // 181228_20-04

Sample Date - Time: 12/27/18 - 17:35

Matrix: Drinking Water

Sample Type: Grab

BSK Associates Laboratory Fresno

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	A900143	01/04/19	01/04/19	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2,4-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,3,5-Trimethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1	A900143	01/04/19	01/04/19	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
2-Hexanone	EPA 524.2	ND	10	ug/L	1	A900143	01/04/19	01/04/19	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
4-Methyl-2-pentanone	EPA 524.2	ND	5.0	ug/L	1	A900143	01/04/19	01/04/19	
Acetone	EPA 524.2	ND	10	ug/L	1	A900143	01/04/19	01/04/19	
Benzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Bromodichloromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Bromoform	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	BS1.0, CV0.0
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Chloroform	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Chloromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Dibromochloromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Di-isopropyl ether (DIPE)	EPA 524.2	ND	3.0	ug/L	1	A900143	01/04/19	01/04/19	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A9A0198 FINAL 01172019 0910

Certificate of Analysis

Sample ID: A9A0198-01

Sampled By: Danny Gonzales

Sample Description: Well - 005 // 181228_20-04

Sample Date - Time: 12/27/18 - 17:35

Matrix: Drinking Water

Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
<u>Volatile Organics by GC-MS</u>									
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Isopropylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
n-Propylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Styrene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1	A900143	01/04/19	01/04/19	
tert-Butyl alcohol (TBA)	EPA 524.2	ND	2.0	ug/L	1	A900143	01/04/19	01/04/19	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Toluene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	A900143	01/04/19	01/04/19	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	A900143	01/04/19	01/04/19	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	94 %	Acceptable range: 70-130 %						
Surrogate: Bromofluorobenzene	EPA 524.2	98 %	Acceptable range: 70-130 %						
Total 1,3-Dichloropropene		ND	0.50	ug/L					
Total Trihalomethanes		ND	0.50	ug/L					
Total Xylenes, EPA 524.2		ND	0.50	ug/L					

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank (A900143-BLK1)

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							01/04/19	
1,1,1-Trichloroethane	ND	0.50	ug/L							01/04/19	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							01/04/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							01/04/19	
1,1,2-Trichloroethane	ND	0.50	ug/L							01/04/19	
1,1-Dichloroethane	ND	0.50	ug/L							01/04/19	
1,1-Dichloroethene	ND	0.50	ug/L							01/04/19	
1,1-Dichloropropene	ND	0.50	ug/L							01/04/19	
1,2,3-Trichlorobenzene	ND	0.50	ug/L							01/04/19	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							01/04/19	
1,2,4-Trimethylbenzene	ND	0.50	ug/L							01/04/19	
1,2-Dichlorobenzene	ND	0.50	ug/L							01/04/19	
1,2-Dichloroethane	ND	0.50	ug/L							01/04/19	
1,2-Dichloropropane	ND	0.50	ug/L							01/04/19	
1,3,5-Trimethylbenzene	ND	0.50	ug/L							01/04/19	
1,3-Dichlorobenzene	ND	0.50	ug/L							01/04/19	
1,3-Dichloropropane	ND	0.50	ug/L							01/04/19	
1,4-Dichlorobenzene	ND	0.50	ug/L							01/04/19	
2,2-Dichloropropane	ND	0.50	ug/L							01/04/19	
2-Butanone	ND	5.0	ug/L							01/04/19	
2-Chlorotoluene	ND	0.50	ug/L							01/04/19	
2-Hexanone	ND	10	ug/L							01/04/19	
4-Chlorotoluene	ND	0.50	ug/L							01/04/19	
4-Methyl-2-pentanone	ND	5.0	ug/L							01/04/19	
Acetone	ND	10	ug/L							01/04/19	
Benzene	ND	0.50	ug/L							01/04/19	
Bromobenzene	ND	0.50	ug/L							01/04/19	
Bromochloromethane	ND	0.50	ug/L							01/04/19	
Bromodichloromethane	ND	0.50	ug/L							01/04/19	
Bromoform	ND	0.50	ug/L							01/04/19	
Bromomethane	ND	0.50	ug/L							01/04/19	
Carbon Tetrachloride	ND	0.50	ug/L							01/04/19	
Chlorobenzene	ND	0.50	ug/L							01/04/19	
Chloroethane	ND	0.50	ug/L							01/04/19	
Chloroform	ND	0.50	ug/L							01/04/19	
Chloromethane	ND	0.50	ug/L							01/04/19	
cis-1,2-Dichloroethene	ND	0.50	ug/L							01/04/19	
cis-1,3-Dichloropropene	ND	0.50	ug/L							01/04/19	
Dibromochloromethane	ND	0.50	ug/L							01/04/19	
Dibromomethane	ND	0.50	ug/L							01/04/19	
Dichlorodifluoromethane	ND	0.50	ug/L							01/04/19	
Dichloromethane	ND	0.50	ug/L							01/04/19	
Di-isopropyl ether (DIPE)	ND	3.0	ug/L							01/04/19	

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A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank (A900143-BLK1)

Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L							01/04/19	
Ethylbenzene	ND	0.50	ug/L							01/04/19	
Hexachlorobutadiene	ND	0.50	ug/L							01/04/19	
Isopropylbenzene	ND	0.50	ug/L							01/04/19	
m,p-Xylenes	ND	0.50	ug/L							01/04/19	
Methyl-t-butyl ether	ND	0.50	ug/L							01/04/19	
Naphthalene	ND	0.50	ug/L							01/04/19	
n-Butylbenzene	ND	0.50	ug/L							01/04/19	
n-Propylbenzene	ND	0.50	ug/L							01/04/19	
o-Xylene	ND	0.50	ug/L							01/04/19	
p-Isopropyltoluene	ND	0.50	ug/L							01/04/19	
sec-Butylbenzene	ND	0.50	ug/L							01/04/19	
Styrene	ND	0.50	ug/L							01/04/19	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							01/04/19	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							01/04/19	
tert-Butylbenzene	ND	0.50	ug/L							01/04/19	
Tetrachloroethene (PCE)	ND	0.50	ug/L							01/04/19	
Toluene	ND	0.50	ug/L							01/04/19	
trans-1,2-Dichloroethene	ND	0.50	ug/L							01/04/19	
trans-1,3-Dichloropropene	ND	0.50	ug/L							01/04/19	
Trichloroethene (TCE)	ND	0.50	ug/L							01/04/19	
Trichlorofluoromethane	ND	5.0	ug/L							01/04/19	
Vinyl Chloride	ND	0.50	ug/L							01/04/19	
Surrogate: 1,2-Dichlorobenzene-d4	49			50		98	70-130			01/04/19	
Surrogate: Bromofluorobenzene	53			50		106	70-130			01/04/19	

Blank Spike (A900143-BS1)

1,1,1,2-Tetrachloroethane	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	104	70-130			01/04/19	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	ND	105	70-130			01/04/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	10	ug/L	10	ND	101	70-130			01/04/19	
1,1,2-Trichloroethane	8.4	0.50	ug/L	10	ND	84	70-130			01/04/19	
1,1-Dichloroethane	11	0.50	ug/L	10	ND	108	70-130			01/04/19	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	101	70-130			01/04/19	
1,1-Dichloropropene	10	0.50	ug/L	10	ND	100	70-130			01/04/19	
1,2,3-Trichlorobenzene	9.6	0.50	ug/L	10	ND	96	70-130			01/04/19	
1,2,4-Trichlorobenzene	11	0.50	ug/L	10	ND	113	70-130			01/04/19	
1,2,4-Trimethylbenzene	10	0.50	ug/L	10	ND	102	70-130			01/04/19	
1,2-Dichlorobenzene	9.6	0.50	ug/L	10	ND	96	70-130			01/04/19	
1,2-Dichloroethane	9.8	0.50	ug/L	10	ND	98	70-130			01/04/19	
1,2-Dichloropropane	8.9	0.50	ug/L	10	ND	89	70-130			01/04/19	
1,3,5-Trimethylbenzene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
1,3-Dichlorobenzene	10	0.50	ug/L	10	ND	105	70-130			01/04/19	

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A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike (A900143-BS1)

1,3-Dichloropropane	8.6	0.50	ug/L	10	ND	86	70-130			01/04/19	
1,4-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
2,2-Dichloropropane	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
2-Butanone	9.1	5.0	ug/L	10	ND	91	70-130			01/04/19	
2-Chlorotoluene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
2-Hexanone	11	10	ug/L	10	ND	114	70-130			01/04/19	
4-Chlorotoluene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
4-Methyl-2-pentanone	11	5.0	ug/L	10	ND	114	70-130			01/04/19	
Acetone	11	10	ug/L	10	ND	108	70-130			01/04/19	
Benzene	9.4	0.50	ug/L	10	ND	94	70-130			01/04/19	
Bromobenzene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
Bromochloromethane	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
Bromodichloromethane	10	0.50	ug/L	10	ND	100	70-130			01/04/19	
Bromoform	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
Bromomethane	14	0.50	ug/L	10	ND	143	70-130			01/04/19	BS High
Carbon disulfide	11	10	ug/L	10	ND	105	70-130			01/04/19	
Carbon Tetrachloride	10	0.50	ug/L	10	ND	104	70-130			01/04/19	
Chlorobenzene	9.5	0.50	ug/L	10	ND	95	70-130			01/04/19	
Chloroethane	11	0.50	ug/L	10	ND	107	70-130			01/04/19	
Chloroform	9.8	0.50	ug/L	10	ND	98	70-130			01/04/19	
Chloromethane	11	0.50	ug/L	10	ND	111	70-130			01/04/19	
cis-1,2-Dichloroethene	9.1	0.50	ug/L	10	ND	91	70-130			01/04/19	
cis-1,3-Dichloropropene	10	0.50	ug/L	10	ND	103	70-130			01/04/19	
Dibromochloromethane	9.1	0.50	ug/L	10	ND	91	70-130			01/04/19	
Dibromomethane	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
Dichlorodifluoromethane	12	0.50	ug/L	10	ND	118	70-130			01/04/19	
Dichloromethane	12	0.50	ug/L	10	ND	123	70-130			01/04/19	
Di-isopropyl ether (DIPE)	9.8	3.0	ug/L	10	ND	98	70-130			01/04/19	
Ethyl tert-Butyl Ether (ETBE)	10	0.50	ug/L	10	ND	100	70-130			01/04/19	
Ethylbenzene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
Hexachlorobutadiene	11	0.50	ug/L	10	ND	106	70-130			01/04/19	
Isopropylbenzene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
m,p-Xylenes	21	0.50	ug/L	20	ND	103	70-130			01/04/19	
Methyl-t-butyl ether	18	0.50	ug/L	20	ND	92	70-130			01/04/19	
Naphthalene	12	0.50	ug/L	10	ND	119	70-130			01/04/19	
n-Butylbenzene	10	0.50	ug/L	10	ND	101	70-130			01/04/19	
n-Propylbenzene	10	0.50	ug/L	10	ND	100	70-130			01/04/19	
o-Xylene	9.7	0.50	ug/L	10	ND	97	70-130			01/04/19	
p-Isopropyltoluene	10	0.50	ug/L	10	ND	101	70-130			01/04/19	
sec-Butylbenzene	10	0.50	ug/L	10	ND	100	70-130			01/04/19	
Styrene	9.8	0.50	ug/L	10	ND	98	70-130			01/04/19	
tert-Amyl Methyl Ether (TAME)	8.4	3.0	ug/L	10	ND	84	70-130			01/04/19	
tert-Butyl alcohol (TBA)	9.7	2.0	ug/L	10	ND	97	70-130			01/04/19	

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A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143
Prepared: 1/4/2019
Prep Method: EPA 524.2
Analyst: ANM
Blank Spike (A900143-BS1)

tert-Butylbenzene	12	0.50	ug/L	10	ND	122	70-130			01/04/19	
Tetrachloroethene (PCE)	8.8	0.50	ug/L	10	ND	88	70-130			01/04/19	
Toluene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
trans-1,2-Dichloroethene	9.9	0.50	ug/L	10	ND	99	70-130			01/04/19	
trans-1,3-Dichloropropene	9.6	0.50	ug/L	10	ND	96	70-130			01/04/19	
Trichloroethene (TCE)	9.8	0.50	ug/L	10	ND	98	70-130			01/04/19	
Trichlorofluoromethane	9.6	5.0	ug/L	10	ND	96	70-130			01/04/19	
Vinyl Chloride	11	0.50	ug/L	10	ND	110	70-130			01/04/19	
Surrogate: 1,2-Dichlorobenzene-d4	51			50		102	70-130			01/04/19	
Surrogate: Bromofluorobenzene	49			50		99	70-130			01/04/19	

Blank Spike Dup (A900143-BSD1)

1,1,1,2-Tetrachloroethane	10	0.50	ug/L	10	ND	101	70-130	4	30	01/04/19	
1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	103	70-130	1	30	01/04/19	
1,1,2,2-Tetrachloroethane	9.9	0.50	ug/L	10	ND	99	70-130	6	30	01/04/19	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.2	10	ug/L	10	ND	92	70-130	10	30	01/04/19	
1,1,2-Trichloroethane	8.5	0.50	ug/L	10	ND	85	70-130	2	30	01/04/19	
1,1-Dichloroethane	10	0.50	ug/L	10	ND	104	70-130	4	30	01/04/19	
1,1-Dichloroethene	9.6	0.50	ug/L	10	ND	96	70-130	5	30	01/04/19	
1,1-Dichloropropene	9.3	0.50	ug/L	10	ND	93	70-130	7	30	01/04/19	
1,2,3-Trichlorobenzene	11	0.50	ug/L	10	ND	112	70-130	16	30	01/04/19	
1,2,4-Trichlorobenzene	12	0.50	ug/L	10	ND	117	70-130	3	30	01/04/19	
1,2,4-Trimethylbenzene	9.5	0.50	ug/L	10	ND	95	70-130	6	30	01/04/19	
1,2-Dichlorobenzene	9.7	0.50	ug/L	10	ND	97	70-130	1	30	01/04/19	
1,2-Dichloroethane	10	0.50	ug/L	10	ND	102	70-130	4	30	01/04/19	
1,2-Dichloropropane	9.1	0.50	ug/L	10	ND	91	70-130	1	30	01/04/19	
1,3,5-Trimethylbenzene	9.4	0.50	ug/L	10	ND	94	70-130	5	30	01/04/19	
1,3-Dichlorobenzene	10	0.50	ug/L	10	ND	101	70-130	4	30	01/04/19	
1,3-Dichloropropane	8.7	0.50	ug/L	10	ND	87	70-130	1	30	01/04/19	
1,4-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	70-130	0	30	01/04/19	
2,2-Dichloropropane	11	0.50	ug/L	10	ND	108	70-130	11	30	01/04/19	
2-Butanone	9.2	5.0	ug/L	10	ND	92	70-130	1	30	01/04/19	
2-Chlorotoluene	9.5	0.50	ug/L	10	ND	95	70-130	5	30	01/04/19	
2-Hexanone	11	10	ug/L	10	ND	109	70-130	4	30	01/04/19	
4-Chlorotoluene	9.6	0.50	ug/L	10	ND	96	70-130	2	30	01/04/19	
4-Methyl-2-pentanone	11	5.0	ug/L	10	ND	105	70-130	8	30	01/04/19	
Acetone	9.3	10	ug/L	10	ND	93	70-130	15	30	01/04/19	
Benzene	9.8	0.50	ug/L	10	ND	98	70-130	4	30	01/04/19	
Bromobenzene	9.8	0.50	ug/L	10	ND	98	70-130	0	30	01/04/19	
Bromochloromethane	10	0.50	ug/L	10	ND	103	70-130	5	30	01/04/19	
Bromodichloromethane	10	0.50	ug/L	10	ND	101	70-130	1	30	01/04/19	
Bromoform	9.5	0.50	ug/L	10	ND	95	70-130	2	30	01/04/19	
Bromomethane	15	0.50	ug/L	10	ND	146	70-130	2	30	01/04/19	BS High

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A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike Dup (A900143-BSD1)

Carbon disulfide	11	10	ug/L	10	ND	107	70-130	2	30	01/04/19	
Carbon Tetrachloride	9.8	0.50	ug/L	10	ND	98	70-130	6	30	01/04/19	
Chlorobenzene	10	0.50	ug/L	10	ND	104	70-130	9	30	01/04/19	
Chloroethane	10	0.50	ug/L	10	ND	103	70-130	4	30	01/04/19	
Chloroform	10	0.50	ug/L	10	ND	102	70-130	5	30	01/04/19	
Chloromethane	11	0.50	ug/L	10	ND	106	70-130	5	30	01/04/19	
cis-1,2-Dichloroethene	10	0.50	ug/L	10	ND	105	70-130	14	30	01/04/19	
cis-1,3-Dichloropropene	9.8	0.50	ug/L	10	ND	98	70-130	5	30	01/04/19	
Dibromochloromethane	9.2	0.50	ug/L	10	ND	92	70-130	2	30	01/04/19	
Dibromomethane	10	0.50	ug/L	10	ND	100	70-130	4	30	01/04/19	
Dichlorodifluoromethane	10	0.50	ug/L	10	ND	103	70-130	13	30	01/04/19	
Dichloromethane	10	0.50	ug/L	10	ND	102	70-130	19	30	01/04/19	
Di-isopropyl ether (DIPE)	10	3.0	ug/L	10	ND	100	70-130	3	30	01/04/19	
Ethyl tert-Butyl Ether (ETBE)	10	0.50	ug/L	10	ND	102	70-130	2	30	01/04/19	
Ethylbenzene	10	0.50	ug/L	10	ND	100	70-130	2	30	01/04/19	
Hexachlorobutadiene	10	0.50	ug/L	10	ND	102	70-130	4	30	01/04/19	
Isopropylbenzene	9.5	0.50	ug/L	10	ND	95	70-130	4	30	01/04/19	
m,p-Xylenes	21	0.50	ug/L	20	ND	106	70-130	3	30	01/04/19	
Methyl-t-butyl ether	19	0.50	ug/L	20	ND	94	70-130	2	30	01/04/19	
Naphthalene	11	0.50	ug/L	10	ND	111	70-130	7	30	01/04/19	
n-Butylbenzene	10	0.50	ug/L	10	ND	100	70-130	1	30	01/04/19	
n-Propylbenzene	9.7	0.50	ug/L	10	ND	97	70-130	3	30	01/04/19	
o-Xylene	9.4	0.50	ug/L	10	ND	94	70-130	3	30	01/04/19	
p-Isopropyltoluene	9.7	0.50	ug/L	10	ND	97	70-130	4	30	01/04/19	
sec-Butylbenzene	9.8	0.50	ug/L	10	ND	98	70-130	2	30	01/04/19	
Styrene	9.5	0.50	ug/L	10	ND	95	70-130	3	30	01/04/19	
tert-Amyl Methyl Ether (TAME)	10	3.0	ug/L	10	ND	101	70-130	18	30	01/04/19	
tert-Butyl alcohol (TBA)	8.7	2.0	ug/L	10	ND	87	70-130	11	30	01/04/19	
tert-Butylbenzene	11	0.50	ug/L	10	ND	114	70-130	7	30	01/04/19	
Tetrachloroethene (PCE)	8.7	0.50	ug/L	10	ND	87	70-130	1	30	01/04/19	
Toluene	8.7	0.50	ug/L	10	ND	87	70-130	13	30	01/04/19	
trans-1,2-Dichloroethene	10	0.50	ug/L	10	ND	102	70-130	3	30	01/04/19	
trans-1,3-Dichloropropene	8.4	0.50	ug/L	10	ND	84	70-130	13	30	01/04/19	
Trichloroethene (TCE)	10	0.50	ug/L	10	ND	104	70-130	6	30	01/04/19	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	100	70-130	4	30	01/04/19	
Vinyl Chloride	11	0.50	ug/L	10	ND	108	70-130	2	30	01/04/19	
Surrogate: 1,2-Dichlorobenzene-d4	48			50		96	70-130			01/04/19	
Surrogate: Bromofluorobenzene	48			50		95	70-130			01/04/19	

Matrix Spike (A900143-MS1), Source: A9A0235-01

1,1,1,2-Tetrachloroethane	11	0.50	ug/L	10	ND	109	41-156			01/04/19	
1,1,1-Trichloroethane	11	0.50	ug/L	10	ND	114	48-160			01/04/19	
1,1,2,2-Tetrachloroethane	11	0.50	ug/L	10	ND	113	42-151			01/04/19	

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A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Matrix Spike (A900143-MS1), Source: A9A0235-01

1,1,2-Trichloro-1,2,2-trifluoroethane	14	10	ug/L	10	ND	136	47-164			01/04/19	
1,1,2-Trichloroethane	10	0.50	ug/L	10	ND	100	45-152			01/04/19	
1,1-Dichloroethane	12	0.50	ug/L	10	ND	119	48-157			01/04/19	
1,1-Dichloroethene	15	0.50	ug/L	10	2.2	126	51-158			01/04/19	
1,1-Dichloropropene	11	0.50	ug/L	10	ND	111	46-162			01/04/19	
1,2,3-Trichlorobenzene	11	0.50	ug/L	10	ND	110	37-145			01/04/19	
1,2,4-Trichlorobenzene	12	0.50	ug/L	10	ND	125	33-149			01/04/19	
1,2,4-Trimethylbenzene	11	0.50	ug/L	10	ND	112	44-146			01/04/19	
1,2-Dichlorobenzene	12	0.50	ug/L	10	ND	116	44-146			01/04/19	
1,2-Dichloroethane	11	0.50	ug/L	10	ND	111	47-151			01/04/19	
1,2-Dichloropropane	11	0.50	ug/L	10	ND	108	47-155			01/04/19	
1,3,5-Trimethylbenzene	11	0.50	ug/L	10	ND	112	45-154			01/04/19	
1,3-Dichlorobenzene	12	0.50	ug/L	10	ND	119	44-146			01/04/19	
1,3-Dichloropropane	9.9	0.50	ug/L	10	ND	99	45-151			01/04/19	
1,4-Dichlorobenzene	12	0.50	ug/L	10	ND	118	43-146			01/04/19	
2,2-Dichloropropane	12	0.50	ug/L	10	ND	121	24-182			01/04/19	
2-Butanone	8.4	5.0	ug/L	10	ND	84	55-144			01/04/19	
2-Chlorotoluene	11	0.50	ug/L	10	ND	114	48-150			01/04/19	
2-Hexanone	10	10	ug/L	10	ND	102	40-159			01/04/19	
4-Chlorotoluene	12	0.50	ug/L	10	ND	115	43-150			01/04/19	
4-Methyl-2-pentanone	9.5	5.0	ug/L	10	ND	95	30-171			01/04/19	
Acetone	7.7	10	ug/L	10	ND	77	27-181			01/04/19	
Benzene	11	0.50	ug/L	10	ND	110	48-155			01/04/19	
Bromobenzene	12	0.50	ug/L	10	ND	120	43-151			01/04/19	
Bromochloromethane	12	0.50	ug/L	10	ND	119	48-161			01/04/19	
Bromodichloromethane	11	0.50	ug/L	10	ND	109	47-151			01/04/19	
Bromoform	11	0.50	ug/L	10	ND	110	29-162			01/04/19	
Bromomethane	17	0.50	ug/L	10	ND	166	10-200			01/04/19	
Carbon disulfide	13	10	ug/L	10	ND	133	57-161			01/04/19	
Carbon Tetrachloride	12	0.50	ug/L	10	ND	117	47-163			01/04/19	
Chlorobenzene	11	0.50	ug/L	10	ND	110	46-152			01/04/19	
Chloroethane	13	0.50	ug/L	10	ND	133	28-189			01/04/19	
Chloroform	10	0.50	ug/L	10	ND	104	52-148			01/04/19	
Chloromethane	15	0.50	ug/L	10	ND	146	53-159			01/04/19	
cis-1,2-Dichloroethene	11	0.50	ug/L	10	ND	108	50-152			01/04/19	
cis-1,3-Dichloropropene	11	0.50	ug/L	10	ND	105	34-156			01/04/19	
Dibromochloromethane	9.7	0.50	ug/L	10	ND	97	44-149			01/04/19	
Dibromomethane	11	0.50	ug/L	10	ND	113	46-150			01/04/19	
Dichlorodifluoromethane	16	0.50	ug/L	10	ND	157	33-170			01/04/19	
Dichloromethane	13	0.50	ug/L	10	ND	125	47-156			01/04/19	
Di-isopropyl ether (DIPE)	11	3.0	ug/L	10	ND	110	41-159			01/04/19	
Ethyl tert-Butyl Ether (ETBE)	10	0.50	ug/L	10	ND	102	32-160			01/04/19	
Ethylbenzene	10	0.50	ug/L	10	ND	103	40-157			01/04/19	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

A9A0198 FINAL 01172019 0910

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: A900143

Prepared: 1/4/2019

Prep Method: EPA 524.2

Analyst: ANM

Matrix Spike (A900143-MS1), Source: A9A0235-01

Hexachlorobutadiene	13	0.50	ug/L	10	ND	126	38-151			01/04/19	
Isopropylbenzene	11	0.50	ug/L	10	ND	114	41-156			01/04/19	
m,p-Xylenes	22	0.50	ug/L	20	ND	111	49-154			01/04/19	
Methyl-t-butyl ether	20	0.50	ug/L	20	ND	101	41-156			01/04/19	
Naphthalene	11	0.50	ug/L	10	ND	104	35-154			01/04/19	
n-Butylbenzene	12	0.50	ug/L	10	ND	116	31-153			01/04/19	
n-Propylbenzene	12	0.50	ug/L	10	ND	117	39-156			01/04/19	
o-Xylene	11	0.50	ug/L	10	ND	115	27-164			01/04/19	
p-Isopropyltoluene	11	0.50	ug/L	10	ND	113	26-161			01/04/19	
sec-Butylbenzene	12	0.50	ug/L	10	ND	115	39-154			01/04/19	
Styrene	12	0.50	ug/L	10	ND	115	10-200			01/04/19	
tert-Amyl Methyl Ether (TAME)	11	3.0	ug/L	10	ND	106	24-161			01/04/19	
tert-Butyl alcohol (TBA)	9.5	2.0	ug/L	10	ND	80	22-174			01/04/19	
tert-Butylbenzene	14	0.50	ug/L	10	ND	140	40-153			01/04/19	
Tetrachloroethene (PCE)	11	0.50	ug/L	10	ND	109	48-155			01/04/19	
Toluene	11	0.50	ug/L	10	ND	105	40-159			01/04/19	
trans-1,2-Dichloroethene	12	0.50	ug/L	10	ND	121	52-157			01/04/19	
trans-1,3-Dichloropropene	9.9	0.50	ug/L	10	ND	99	28-160			01/04/19	
Trichloroethene (TCE)	12	0.50	ug/L	10	0.97	107	49-155			01/04/19	
Trichlorofluoromethane	14	5.0	ug/L	10	ND	141	47-169			01/04/19	
Vinyl Chloride	15	0.50	ug/L	10	ND	149	21-183			01/04/19	
Surrogate: 1,2-Dichlorobenzene-d4	55			50		110	70-130			01/04/19	
Surrogate: Bromofluorobenzene	55			50		109	70-130			01/04/19	

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAP program for the following parameters:

****NA****

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

EPA - UCMR4	CA00079	Los Angeles CSD	9254479	NELAP certified	4021-010
State of California - ELAP	1180	State of Hawaii	4021	State of Nevada	CA000792019-1
State of Oregon - NELAP	4021-010	State of Washington	C997-18		

Sacramento

State of California - ELAP	2435
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San Bernardino

Los Angeles CSD	9254478	NELAP certified	4119-003	State of California - ELAP	2993
State of Oregon - NELAP	4119-003				

Vancouver

NELAP certified	WA100008-011	State of Oregon - NELAP	WA100008-011	State of Washington	C824-18b
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A9A0198



01032019

Monte6227

Turnaround: Standard

Due Date: 1/17/2019



Monterey Bay Analytical



Printed: 1/3/2019 1:49:50PM

Page 1 of 1

Sample Integrity

BSK Bottles Yes NoPage 1 of 1

COC Info	Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$	<u>Yes</u> No NA	Were correct containers and preservatives received for the tests requested?	<u>Yes</u> No NA		
	If samples were taken today, is there evidence that chilling has begun?	<u>Yes</u> No NA	Bubbles Present VOAs (524.2/TCP/TTHM)?	Yes <u>No</u> NA		
	Did all bottles arrive unbroken and intact?	<u>Yes</u> No	TB Received? (Check Method Below)	Yes <u>No</u> NA		
	Did all bottle labels agree with COC?	<u>Yes</u> No	Was a sufficient amount of sample received?	<u>Yes</u> No		
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No <u>NA</u>	Do samples have a hold time <72 hours?	Yes <u>No</u>		
Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?			
	Bacti $\text{Na}_2\text{S}_2\text{O}_3$	—	—			
	None (P) White Cap	—	—			
	Cr6 (P) Lt. Green Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ DW	Cl, pH > 8	P F			
	Cr6 (P) Pink Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ WW	pH 9.3-9.7	P F			
	Cr6 (P) Black Label/Blue Cap $\text{NH}_4\text{OH}(\text{NH}_4)_2\text{SO}_4$ 7199 "24 HOUR HOLD TIME"	pH 9.0-9.5	P F			
	HNO_3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	—	—			
	H_2SO_4 (P) or (AG) Yellow Cap/Label	pH < 2	P F			
	NaOH (P) Green Cap	Cl, pH > 10	P F			
	$\text{NaOH} + \text{ZnAc}$ (P)	pH > 9	P F			
	Dissolved Oxygen 300ml (g)	—	—			
	None (AG) 505/508/1/5082, 625, 632/8321, 8151, 8270	—	—			
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	—	—			
	Ascorbic, EDTA, KH_2Ct (AG) Pink Label 525	—	—			
	Na_2SO_3 250mL (AG) Neon Green Label 515	—	—			
	$\text{Na}_2\text{S}_2\text{O}_3$ 1 Liter (Brown P) 549	—	—			
	$\text{Na}_2\text{S}_2\text{O}_3$ (AG) Blue Label 548, TTHM, 524	—	—			
	$\text{Na}_2\text{S}_2\text{O}_3$ (CG) Blue Label 504, 505, 547	—	—			
	$\text{Na}_2\text{S}_2\text{O}_3 + \text{MCAA}$ (CG) Orange Label 531	pH < 3	P F			
	NH_4Cl (AG) Purple Label 552	—	—			
	EDA (AG) Brown Label DBPs	—	—			
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	—	—	3V		
	Buffer pH 4 (CG)	—	—			
	H_3PO_4 (CG) Salmon Label	—	—			
	Other:					
	Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—			
	Bottled Water	—	—			
	Clear Glass 250mL / 500mL / 1 Liter	—	—			
Solids: Brass / Steel / Plastic Bag	—	—				
Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials
	S P			S P		
	S P			S P		
Comments	✓ Indicates Blanks Received 504 ___ 524.2 ___ TCP ___ TTHM ___ 537 ___ 8260/624 ___					

Labeled by: CL @ 11/43Labels checked by: VOH @ 12:22

RUSH Paged by: ___ @ ___

January 28, 2019

Monterey Bay Analytical Services
 4 Justin Court
 Monterey, CA 93940

Lab ID : SP 1900172
 Customer : 2-19144

Laboratory Report

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

Case Narrative	(1 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 01 - RAW	12/27/2018	01/04/2019	SP 1900172-001	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 1 °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

903.0	01/24/2019:201156 All analysis quality controls are within established criteria
	01/16/2019:200571 All preparation quality controls are within established criteria
Ra - 05	01/26/2019:201263 All analysis quality controls are within established criteria
	01/20/2019:200572 All preparation quality controls are within established criteria

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

Reviewed and
Approved By

Kelly A. Dunnahoo, B.S.



Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2019-01-28

RADIO CHEMICALS ANALYSIS

Date of Report : January 28, 2019	Sample ID : SP 1900172-001
Laboratory Name : FGL Environmental	Approved By Kelly A. Dunnahoo, B.S.  Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-01-28
Sampled On : 12/27/2018-18:10	
Received On : 01/04/2019-11:30	Sampler : Danny Gonzales
Completed On : 01/26/2019	Employed By : Not Available

System Name : SAN JUAN BAUTISTA, CITY OF Number : 3510002-001 **EDT**
 (181228_20-01)

Name Or Number of Sample Source : WELL 01 - RAW

User ID : HEN	Station Number : 3510002-001
Date/Time of Sample : 1812271810 YYMMDDTTT	Laboratory Code : 5 8 6 7
Submitted By : FGL Environmental	Phone # : (805) 392-2000

RADIOLOGICAL

MCL	UNITS	CHEMICALS	ENTRY	RESULT	DLR
2	pCi/L	Radium 228	11501	0.000	1
	pCi/L	Radium 228 Counting Error	11502	± 0.676	
	pCi/L	Radium 228 MDA95	A-075	0.506	
3	pCi/L	Ra-226 or Total Ra by 903.0	09501	0.093	1
	pCi/L	Ra-226 or Total Ra by 903.0 C.E.	09502	± 0.097	
	pCi/L	Ra-226 or Total Ra by 903.0 MDA95	A-074	0.304	

MCL - Maximum Contaminant Level,

DLR -Detection Limit for Reporting Purpose,

ND - Not Detected at or above DLR

January 28, 2019
Monterey Bay Analytical Services

Lab ID : SP 1900172
 Customer : 2-19144

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	903.0	01/24/19:201156IWC	CCV CCB	cpm cpm	8334	40.3 % 0.0200	37-46 0.12	
Total Alpha Radium (226)	903.0	01/16/19:200571emv	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	21.78 21.78 21.78 21.78	-0.003 65.7 % 58.5 % 65.4 % 11.0%	2 52-107 43-111 43-111 ≤35.5	
Beta	Ra - 05	01/26/19:201263EMV	CCV CCB	cpm cpm	8332	89.3 % 0.4000	84-94 0.58	
Ra 228	Ra - 05	01/20/19:200572EMV	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	12.25 12.25 12.25 12.25	0.003 75.6 % 90.1 % 84.6 % 0.67	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. 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. 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. 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.								

CHAIN OF CUSTODY AND ANALYSIS REQUEST DOCUMENT

[illegible]

Condition Upon Receipt (Attach to COC)

Sample Receipt at SP:

1. Number of ice chests/packages received: 1
2. Shipper tracking numbers 543319873
3. Were samples received in a chilled condition?
Temps: 1 / / / / / /
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

Inez Covarrubias



Digitally signed by Inez Covarrubias
Title: Sample Receiving
Date: 01/07/2019-15:10:11

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 1900172
IV-01/07/2019-15:10:11