

Chemtech Consulting Group

Analytical Review Report

Date Printed : 11/7/17
 Analyst : AV
 Data File : LB91286.csv

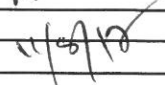
Approved By : AS
 Approved Date : 11/8/18
 Worksheet # : 1

Lab Sample ID	Client ID		Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method			Line 1	
Parameter						%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Bromide												
STD1	STD1				W	11/1/17						
Bromide		PASS	0.000		0.000						mg/L	
STD2	STD2				W	11/1/17						
Bromide		PASS	0.838		0.838						mg/L	
STD3	STD3				W	11/1/17						
Bromide		PASS	2.060		2.06						mg/L	
STD4	STD4				W	11/1/17						
Bromide		PASS	3.931		3.93						mg/L	
STD5	STD5				W	11/1/17						
Bromide		PASS	9.583		9.58						mg/L	
STD6	STD6				W	11/1/17						
Bromide		PASS	19.712		19.7						mg/L	
STD7	STD7				W	11/1/17						
Bromide		PASS	25.375		25.4						mg/L	
CCV1	CCV1				W	11/1/17						
Bromide		PASS	9.623		9.62	96.0	90	110			mg/L	
CCB1	CCB1				W	11/1/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
ICV1	ICV1				W	11/1/17						
Bromide		PASS	9.554		9.55	96.0	90	110			mg/L	
ICB1	ICB1				W	11/1/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB91286BLS	LB91286BLS				S	11/1/17						
Bromide		PASS	0.000		0.000			+/-0.1900			mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17						
Bromide		PASS	9.573		191.00	96.0	90.00	110.00			mg/Kg	
I6279-01	SAMPLE-D		1		S	11/1/17						
Bromide		PASS	0.000		0.000						mg/Kg	
I6279-01D	SAMPLE-DD		1		S	11/1/17						
Bromide		PASS	0.000		0.00				0	20	mg/Kg	
I6279-01S	SAMPLE-DS		1		S	11/1/17						
Bromide		PASS	9.970		201.0	100.0	80	120			mg/Kg	
I6279-01SD	SAMPLE-DSD		1		S	11/1/17						
Bromide		PASS	9.886		199.0	99.0	80	120	1.0	15	mg/Kg	
I6279-02	SAMPLE-C		1		S	11/1/17						
Bromide		PASS	0.000		0.000						mg/Kg	
CCV2	CCV2				W	11/1/17						
Bromide		PASS	9.655		9.65	97.0	90	110			mg/L	
CCB2	CCB2				W	11/1/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Chloride											
STD1	STD1				W	11/1/17					
Chloride		PASS	0.000		0.000					mg/L	
STD2	STD2				W	11/1/17					
Chloride		PASS	0.227		0.227					mg/L	
STD3	STD3				W	11/1/17					
Chloride		PASS	0.630		0.630					mg/L	
STD4	STD4				W	11/1/17					
Chloride		PASS	1.201		1.20					mg/L	
STD5	STD5				W	11/1/17					
Chloride		PASS	2.865		2.86					mg/L	
STD6	STD6				W	11/1/17					
Chloride		PASS	5.916		5.92					mg/L	
STD7	STD7				W	11/1/17					
Chloride		PASS	7.611		7.61					mg/L	
CCV1	CCV1				W	11/1/17					
Chloride		PASS	2.874		2.87	96.0	90	110		mg/L	
CCB1	CCB1				W	11/1/17					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	
ICV1	ICV1				W	11/1/17					
Chloride		PASS	2.850		2.85	95.0	90	110		mg/L	
ICB1	ICB1				W	11/1/17					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	
LB91286BLS	LB91286BLS				S	11/1/17					
Chloride		PASS	0.000		0.000			+/-0.0320		mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17					
Chloride		PASS	2.858		57.20	95.0	90.00	110.00		mg/Kg	
I6279-01	SAMPLE-D		1		S	11/1/17					
Chloride		PASS	0.116		2.32					mg/Kg	
I6279-01D	SAMPLE-DD		1		S	11/1/17					
Chloride		PASS	0.106		2.12			9.0	20	mg/Kg	
I6279-01S	SAMPLE-DS		1		S	11/1/17					
Chloride		PASS	3.016		60.7	97.0	80	120		mg/Kg	
I6279-01SD	SAMPLE-DS D		1		S	11/1/17					
Chloride		PASS	2.983		60.0	96.0	80	120	1.2	15	mg/Kg
I6279-02	SAMPLE-C		1		S	11/1/17					
Chloride		PASS	1.110		27.6					mg/Kg	
CCV2	CCV2				W	11/1/17					
Chloride		PASS	2.885		2.88	96.0	90	110		mg/L	
CCB2	CCB2				W	11/1/17					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	

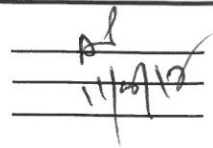
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Date Printed : 11/7/17

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Data File : LB91286.csv

Approved By : 

Approved Date : 11/26/17

Worksheet # :

Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Fluoride											
STD1	STD1				W	11/1/17					
Fluoride		PASS	0.000		0.000					mg/L	
STD2	STD2				W	11/1/17					
Fluoride		PASS	0.182		0.182					mg/L	
STD3	STD3				W	11/1/17					
Fluoride		PASS	0.431		0.431					mg/L	
STD4	STD4				W	11/1/17					
Fluoride		PASS	0.730		0.730					mg/L	
STD5	STD5				W	11/1/17					
Fluoride		PASS	1.935		1.94					mg/L	
STD6	STD6				W	11/1/17					
Fluoride		PASS	3.962		3.96					mg/L	
STD7	STD7				W	11/1/17					
Fluoride		PASS	5.059		5.06					mg/L	
CCV1	CCV1				W	11/1/17					
Fluoride		PASS	1.940		1.94	97.0	90	110		mg/L	
CCB1	CCB1				W	11/1/17					
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L	
ICV1	ICV1				W	11/1/17					
Fluoride		PASS	2.008		2.01	101.0	90	110		mg/L	
ICB1	ICB1				W	11/1/17					
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L	
LB91286BLS	LB91286BLS				S	11/1/17					
Fluoride		PASS	0.000		0.000			+/-0.0170		mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17					
Fluoride		PASS	2.025		40.50	101.0	90.00	110.00		mg/Kg	
I6279-01	SAMPLE-D		1		S	11/1/17					
Fluoride		PASS	0.000		0.000					mg/Kg	
I6279-01D	SAMPLE-DD		1		S	11/1/17					
Fluoride		PASS	0.000		0.00			0	20	mg/Kg	
I6279-01S	SAMPLE-DS		1		S	11/1/17					
Fluoride		PASS	2.048		41.3	102.0	80	120		mg/Kg	
I6279-01SD	SAMPLE-DSD		1		S	11/1/17					
Fluoride		PASS	1.976		39.7	99.0	80	120	4.0	15	mg/Kg
I6279-02	SAMPLE-C		1		S	11/1/17					
Fluoride		PASS	0.000		0.000					mg/Kg	
CCV2	CCV2				W	11/1/17					
Fluoride		PASS	2.042		2.04	102.0	90	110		mg/L	
CCB2	CCB2				W	11/1/17					
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Nitrate											
STD1	STD1				W	11/1/17					
Nitrate		PASS	0.000		0.000					mg/L	
STD2	STD2				W	11/1/17					
Nitrate		PASS	0.193		0.193					mg/L	
STD3	STD3				W	11/1/17					
Nitrate		PASS	0.527		0.527					mg/L	
STD4	STD4				W	11/1/17					
Nitrate		PASS	0.991		0.991					mg/L	
STD5	STD5				W	11/1/17					
Nitrate		PASS	2.394		2.39					mg/L	
STD6	STD6				W	11/1/17					
Nitrate		PASS	4.927		4.93					mg/L	
STD7	STD7				W	11/1/17					
Nitrate		PASS	6.344		6.34					mg/L	
CCV1	CCV1				W	11/1/17					
Nitrate		PASS	2.407		2.41	96.0	90	110		mg/L	
CCB1	CCB1				W	11/1/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
ICV1	ICV1				W	11/1/17					
Nitrate		PASS	2.395		2.40	96.0	90	110		mg/L	
ICB1	ICB1				W	11/1/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
LB91286BLS	LB91286BLS				S	11/1/17					
Nitrate		PASS	0.000		0.000			+/-0.0110		mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17					
Nitrate		PASS	2.398		48.00	96.0	90.00	110.00		mg/Kg	
I6279-01	SAMPLE-D			1	S	11/1/17					
Nitrate		PASS	0.000		0.000					mg/Kg	
I6279-01D	SAMPLE-DD			1	S	11/1/17					
Nitrate		PASS	0.000		0.00			0	20	mg/Kg	
I6279-01S	SAMPLE-DS			1	S	11/1/17					
Nitrate		PASS	2.500		50.4	100.0	80	120		mg/Kg	
I6279-01SD	SAMPLE-DS			1	S	11/1/17					
Nitrate		PASS	2.482		49.9	99.0	80	120	1.0	15	mg/Kg
I6279-02	SAMPLE-C			1	S	11/1/17					
Nitrate		PASS	0.112		2.78					mg/Kg	
CCV2	CCV2				W	11/1/17					
Nitrate		PASS	2.412		2.41	96.0	90	110		mg/L	
CCB2	CCB2				W	11/1/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Nitrite											
STD1	STD1				W	11/1/17					
Nitrite		PASS	0.000		0.000					mg/L	
STD2	STD2				W	11/1/17					
Nitrite		PASS	0.250		0.250					mg/L	
STD3	STD3				W	11/1/17					
Nitrite		PASS	0.633		0.633					mg/L	
STD4	STD4				W	11/1/17					
Nitrite		PASS	1.178		1.18					mg/L	
STD5	STD5				W	11/1/17					
Nitrite		PASS	2.859		2.86					mg/L	
STD6	STD6				W	11/1/17					
Nitrite		PASS	5.910		5.91					mg/L	
STD7	STD7				W	11/1/17					
Nitrite		PASS	7.620		7.62					mg/L	
CCV1	CCV1				W	11/1/17					
Nitrite		PASS	2.872		2.87	96.0	90	110		mg/L	
CCB1	CCB1				W	11/1/17					
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L	
ICV1	ICV1				W	11/1/17					
Nitrite		PASS	2.854		2.85	95.0	90	110		mg/L	
ICB1	ICB1				W	11/1/17					
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L	
LB91286BLS	LB91286BLS				S	11/1/17					
Nitrite		PASS	0.000		0.000			+/-0.0100		mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17					
Nitrite		PASS	2.856		57.10	95.0	90.00	110.00		mg/Kg	
I6279-01	SAMPLE-D		1		S	11/1/17					
Nitrite		PASS	0.000		0.000					mg/Kg	
I6279-01D	SAMPLE-DD		1		S	11/1/17					
Nitrite		PASS	0.000		0.00			0	20	mg/Kg	
I6279-01S	SAMPLE-DS		1		S	11/1/17					
Nitrite		PASS	2.970		59.8	99.0	80	120		mg/Kg	
I6279-01SD	SAMPLE-DS D		1		S	11/1/17					
Nitrite		PASS	2.951		59.3	98.0	80	120	0.8	15	mg/Kg
I6279-02	SAMPLE-C		1		S	11/1/17					
Nitrite		PASS	0.000		0.000					mg/Kg	
CCV2	CCV2				W	11/1/17					
Nitrite		PASS	2.869		2.87	96.0	90	110		mg/L	
CCB2	CCB2				W	11/1/17					
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L	

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Lab Sample ID	Client ID	Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method	Line 1
Parameter			Final Conc	%Rec		LCL	UCL	Line 2
Ortho Phosphate								
STD1	STD1			W	11/1/17			
Ortho Phosphate		PASS	0.000	0.000				mg/L
STD2	STD2			W	11/1/17			
Ortho Phosphate		PASS	0.092	0.092				mg/L
STD3	STD3			W	11/1/17			
Ortho Phosphate		PASS	1.056	1.06				mg/L
STD4	STD4			W	11/1/17			
Ortho Phosphate		PASS	2.153	2.15				mg/L
STD5	STD5			W	11/1/17			
Ortho Phosphate		PASS	5.053	5.05				mg/L
STD6	STD6			W	11/1/17			
Ortho Phosphate		PASS	9.764	9.76				mg/L
STD7	STD7			W	11/1/17			
Ortho Phosphate		PASS	12.631	12.6				mg/L
CCV1	CCV1			W	11/1/17			
Ortho Phosphate		PASS	5.104	5.10	102.0	90	110	mg/L
CCB1	CCB1			W	11/1/17			
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100	mg/L
ICV1	ICV1			W	11/1/17			
Ortho Phosphate		PASS	5.266	5.27	105.0	90	110	mg/L
ICB1	ICB1			W	11/1/17			
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100	mg/L
LB91286BLS	LB91286BLS			S	11/1/17			
Ortho Phosphate		PASS	0.000	0.000			+/-0.0020	mg/Kg
LB91286BSS	LB91286BSS			S	11/1/17			
Ortho Phosphate		PASS	5.274	105.00	105.0	90.00	110.00	mg/Kg
I6279-01	SAMPLE-D		1	S	11/1/17			
Ortho Phosphate		PASS	0.000	0.000				mg/Kg
I6279-01D	SAMPLE-DD		1	S	11/1/17			
Ortho Phosphate		PASS	0.000	0.00			0	20 mg/Kg
I6279-01S	SAMPLE-DS		1	S	11/1/17			
Ortho Phosphate		PASS	5.659	114.0	113.0	80	120	mg/Kg
I6279-01SD	SAMPLE-DSD		1	S	11/1/17			
Ortho Phosphate		PASS	5.592	112.0	111.0	80	120	1.8 15 mg/Kg
I6279-02	SAMPLE-C		1	S	11/1/17			
Ortho Phosphate		PASS	0.000	0.000				mg/Kg
CCV2	CCV2			W	11/1/17			
Ortho Phosphate		PASS	5.198	5.20	104.0	90	110	mg/L
CCB2	CCB2			W	11/1/17			
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100	mg/L

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Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Sulfate											
STD1	STD1				W	11/1/17					
Sulfate		PASS	0.000		0.000					mg/L	
STD2	STD2				W	11/1/17					
Sulfate		PASS	1.282		1.28					mg/L	
STD3	STD3				W	11/1/17					
Sulfate		PASS	3.186		3.19					mg/L	
STD4	STD4				W	11/1/17					
Sulfate		PASS	5.891		5.89					mg/L	
STD5	STD5				W	11/1/17					
Sulfate		PASS	14.217		14.2					mg/L	
STD6	STD6				W	11/1/17					
Sulfate		PASS	29.548		29.5					mg/L	
STD7	STD7				W	11/1/17					
Sulfate		PASS	38.125		38.1					mg/L	
CCV1	CCV1				W	11/1/17					
Sulfate		PASS	14.249		14.20	95.0	90	110		mg/L	
CCB1	CCB1				W	11/1/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	
ICV1	ICV1				W	11/1/17					
Sulfate		PASS	14.169		14.20	95.0	90	110		mg/L	
ICB1	ICB1				W	11/1/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	
LB91286BLS	LB91286BLS				S	11/1/17					
Sulfate		PASS	0.000		0.000			+/-0.0960		mg/Kg	
LB91286BSS	LB91286BSS				S	11/1/17					
Sulfate		PASS	14.155		283.00	94.0	90.00	110.00		mg/Kg	
I6279-01	SAMPLE-D			1	S	11/1/17					
Sulfate		PASS	0.836		16.7					mg/Kg	
I6279-01D	SAMPLE-DD			1	S	11/1/17					
Sulfate		PASS	0.844		16.90			1.2	20	mg/Kg	
I6279-01S	SAMPLE-DS			1	S	11/1/17					
Sulfate		PASS	14.786		298.0	93.0	80	120		mg/Kg	
I6279-01SD	SAMPLE-DSD			1	S	11/1/17					
Sulfate		PASS	14.634		294.0	92.0	80	120	1.4	15	mg/Kg
I6279-02	SAMPLE-C			1	S	11/1/17					
Sulfate		PASS	3.916		97.3					mg/Kg	
CCV2	CCV2				W	11/1/17					
Sulfate		PASS	14.140		14.10	94.0	90	110		mg/L	
CCB2	CCB2				W	11/1/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	