

Chemtech Consulting Group

Analytical Review Report

Date Printed : 5/2/18

Analyst : AK

Data File : LB94973.csv

Approved By : AK

Approved Date : 5/2/18

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	4/18/18						
Bromide		PASS	0.000		0.000						mg/L	
STD2	STD2				W	4/18/18						
Bromide		PASS	0.937		0.937						mg/L	
STD3	STD3				W	4/18/18						
Bromide		PASS	2.054		2.05						mg/L	
STD4	STD4				W	4/18/18						
Bromide		PASS	3.918		3.92						mg/L	
STD5	STD5				W	4/18/18						
Bromide		PASS	9.635		9.64						mg/L	
STD6	STD6				W	4/18/18						
Bromide		PASS	19.299		19.3						mg/L	
STD7	STD7				W	4/18/18						
Bromide		PASS	25.657		25.7						mg/L	
ICV1	ICV1				W	4/18/18						
Bromide		PASS	10.070		10.10	101.0	90	110			mg/L	
ICB1	ICB1				W	4/18/18						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
CCV1	CCV1				W	4/30/18						
Bromide		PASS	9.498		9.50	95.0	90	110			mg/L	
CCB1	CCB1				W	4/30/18						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB94973BLS	LB94973BLS				S	4/30/18						
Bromide		PASS	0.000		0.000			+/-0.1900			mg/Kg	
LB94973BSS	LB94973BSS				S	4/30/18						
Bromide		PASS	9.809		196.00	98.0	90.00	110.00			mg/Kg	
J2604-01	PT-AN-SOIL		1		S	4/30/18						
Bromide		PASS	3.509		69.9						mg/Kg	
J2604-01D	PT-AN-SOILD		1		S	4/30/18						
Bromide		PASS	3.440		68.40				2.2	20	mg/Kg	
CCV2	CCV2				W	4/30/18						
Bromide		PASS	9.613		9.61	96.0	90	110			mg/L	
CCB2	CCB2				W	4/30/18						
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	LCL	UCL	RPD	Max RPD	Units
										Line 2
Chloride										
STD1	STD1			W	4/18/18					
Chloride		PASS	0.000	0.000						mg/L
STD2	STD2			W	4/18/18					
Chloride		PASS	0.275	0.275						mg/L
STD3	STD3			W	4/18/18					
Chloride		PASS	0.632	0.632						mg/L
STD4	STD4			W	4/18/18					
Chloride		PASS	1.195	1.20						mg/L
STD5	STD5			W	4/18/18					
Chloride		PASS	2.866	2.87						mg/L
STD6	STD6			W	4/18/18					
Chloride		PASS	5.758	5.76						mg/L
STD7	STD7			W	4/18/18					
Chloride		PASS	7.724	7.72						mg/L
ICV1	ICV1			W	4/18/18					
Chloride		PASS	3.009	3.01	100.0	90	110			mg/L
ICB1	ICB1			W	4/18/18					
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L
CCV1	CCV1			W	4/30/18					
Chloride		PASS	2.853	2.85	95.0	90	110			mg/L
CCB1	CCB1			W	4/30/18					
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L
LB94973BLS	LB94973BLS			S	4/30/18					
Chloride		PASS	0.000	0.000			+/-0.0320			mg/Kg
LB94973BSS	LB94973BSS			S	4/30/18					
Chloride		PASS	2.935	58.70	98.0	90.00	110.00			mg/Kg
J2604-01	PT-AN-SOIL		1	S	4/30/18					
Chloride		OR	41.611	829						mg/Kg
J2604-01D	PT-AN-SOILD		1	S	4/30/18					
Chloride		PASS	39.308	781.00				6.0	20	mg/Kg
J2604-01DL	PT-AN-SOILDL		5	S	4/30/18					
Chloride		PASS	6.864	684						mg/Kg
CCV2	CCV2			W	4/30/18					
Chloride		PASS	2.915	2.92	97.0	90	110			mg/L
CCB2	CCB2			W	4/30/18					
Chloride		PASS	0.000	0.000			+/-0.0750			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	RPD	Max RPD	Units	Line 2
Fluoride												
STD1	STD1				W	4/18/18						
Fluoride		PASS	0.000	0.000							mg/L	
STD2	STD2				W	4/18/18						
Fluoride		PASS	0.188	0.188							mg/L	
STD3	STD3				W	4/18/18						
Fluoride		PASS	0.377	0.377							mg/L	
STD4	STD4				W	4/18/18						
Fluoride		PASS	0.793	0.793							mg/L	
STD5	STD5				W	4/18/18						
Fluoride		PASS	1.950	1.95							mg/L	
STD6	STD6				W	4/18/18						
Fluoride		PASS	3.889	3.89							mg/L	
STD7	STD7				W	4/18/18						
Fluoride		PASS	5.104	5.10							mg/L	
ICV1	ICV1				W	4/18/18						
Fluoride		PASS	1.906	1.91		96.0	90	110			mg/L	
ICB1	ICB1				W	4/18/18						
Fluoride		PASS	0.000	0.000				+/-0.0430			mg/L	
CCV1	CCV1				W	4/30/18						
Fluoride		PASS	1.926	1.93		97.0	90	110			mg/L	
CCB1	CCB1				W	4/30/18						
Fluoride		PASS	0.000	0.000				+/-0.0430			mg/L	
LB94973BLS	LB94973BLS				S	4/30/18						
Fluoride		PASS	0.000	0.000				+/-0.0170			mg/Kg	
LB94973BSS	LB94973BSS				S	4/30/18						
Fluoride		PASS	1.961	39.20		98.0	90.00	110.00			mg/Kg	
J2604-01	PT-AN-SOIL		1	S	4/30/18							
Fluoride		OR	10.298	205							mg/Kg	
J2604-01D	PT-AN-SOILD		1	S	4/30/18							
Fluoride		PASS	8.777	174.00				16.4	20		mg/Kg	
J2604-01DL	PT-AN-SOILDL		5	S	4/30/18							
Fluoride		PASS	1.666	166							mg/Kg	
CCV2	CCV2				W	4/30/18						
Fluoride		PASS	1.868	1.87		94.0	90	110			mg/L	
CCB2	CCB2				W	4/30/18						
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	LCL	UCL	RPD	Max RPD	Units
										Line 2
Nitrate										
STD1	STD1			W	4/18/18					
Nitrate		PASS	0.000	0.000						mg/L
STD2	STD2			W	4/18/18					
Nitrate		PASS	0.244	0.244						mg/L
STD3	STD3			W	4/18/18					
Nitrate		PASS	0.523	0.523						mg/L
STD4	STD4			W	4/18/18					
Nitrate		PASS	1.007	1.01						mg/L
STD5	STD5			W	4/18/18					
Nitrate		PASS	2.360	2.36						mg/L
STD6	STD6			W	4/18/18					
Nitrate		PASS	4.792	4.79						mg/L
STD7	STD7			W	4/18/18					
Nitrate		PASS	6.448	6.45						mg/L
ICV1	ICV1			W	4/18/18					
Nitrate		PASS	2.494	2.49	100.0	90	110			mg/L
ICB1	ICB1			W	4/18/18					
Nitrate		PASS	0.000	0.000			+/-0.0270			mg/L
CCV1	CCV1			W	4/30/18					
Nitrate		PASS	2.351	2.35	94.0	90	110			mg/L
CCB1	CCB1			W	4/30/18					
Nitrate		PASS	0.000	0.000			+/-0.0270			mg/L
LB94973BLS	LB94973BLS			S	4/30/18					
Nitrate		PASS	0.000	0.000			+/-0.0110			mg/Kg
LB94973BSS	LB94973BSS			S	4/30/18					
Nitrate		PASS	2.437	48.70	97.0	90.00	110.00			mg/Kg
J2604-01	PT-AN-SOIL		1	S	4/30/18					
Nitrate		OR	10.142	202						mg/Kg
J2604-01D	PT-AN-SOILD		1	S	4/30/18					
Nitrate		PASS	9.831	195.00				3.5	20	mg/Kg
J2604-01DL	PT-AN-SOILDL		5	S	4/30/18					
Nitrate		PASS	1.848	184						mg/Kg
CCV2	CCV2			W	4/30/18					
Nitrate		PASS	2.360	2.36	94.0	90	110			mg/L
CCB2	CCB2			W	4/30/18					
Nitrate		PASS	0.000	0.000			+/-0.0270			mg/L

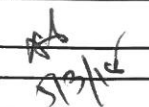
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Parameter		PPB	Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units
										Line 2
Nitrite										
STD1	STD1			W	4/18/18					
Nitrite		PASS	0.000	0.000						mg/L
STD2	STD2			W	4/18/18					
Nitrite		PASS	0.256	0.256						mg/L
STD3	STD3			W	4/18/18					
Nitrite		PASS	0.624	0.624						mg/L
STD4	STD4			W	4/18/18					
Nitrite		PASS	1.179	1.18						mg/L
STD5	STD5			W	4/18/18					
Nitrite		PASS	2.903	2.90						mg/L
STD6	STD6			W	4/18/18					
Nitrite		PASS	5.808	5.81						mg/L
STD7	STD7			W	4/18/18					
Nitrite		PASS	7.680	7.68						mg/L
ICV1	ICV1			W	4/18/18					
Nitrite		PASS	3.051	3.05	102.0	90	110			mg/L
ICB1	ICB1			W	4/18/18					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L
CCV1	CCV1			W	4/30/18					
Nitrite		PASS	2.925	2.92	97.0	90	110			mg/L
CCB1	CCB1			W	4/30/18					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L
LB94973BLS	LB94973BLS			S	4/30/18					
Nitrite		PASS	0.000	0.000			+/-0.0100			mg/Kg
LB94973BSS	LB94973BSS			S	4/30/18					
Nitrite		PASS	3.057	61.10	102.0	90.00	110.00			mg/Kg
J2604-01	PT-AN-SOIL		1	S	4/30/18					
Nitrite		PASS	0.000	0.000						mg/Kg
J2604-01D	PT-AN-SOILD		1	S	4/30/18					
Nitrite		PASS	0.000	0.00				0	20	mg/Kg
CCV2	CCV2			W	4/30/18					
Nitrite		PASS	2.913	2.91	97.0	90	110			mg/L
CCB2	CCB2			W	4/30/18					
Nitrite		PASS	0.000	0.000			+/-0.0220			mg/L

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Parameter		PPB	Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Ortho Phosphate											
STD1	STD1			W	4/18/18						
Ortho Phosphate		PASS	0.000	0.0000						mg/L	
STD2	STD2			W	4/18/18						
Ortho Phosphate		PASS	0.224	0.2240						mg/L	
STD3	STD3			W	4/18/18						
Ortho Phosphate		PASS	0.938	0.9380						mg/L	
STD4	STD4			W	4/18/18						
Ortho Phosphate		PASS	2.086	2.09						mg/L	
STD5	STD5			W	4/18/18						
Ortho Phosphate		PASS	5.094	5.09						mg/L	
STD6	STD6			W	4/18/18						
Ortho Phosphate		PASS	9.802	9.80						mg/L	
STD7	STD7			W	4/18/18						
Ortho Phosphate		PASS	12.607	12.6						mg/L	
ICV1	ICV1			W	4/18/18						
Ortho Phosphate		PASS	5.076	5.08	102.0	90	110			mg/L	
ICB1	ICB1			W	4/18/18						
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L	
CCV1	CCV1			W	4/30/18						
Ortho Phosphate		PASS	4.848	4.85	97.0	90	110			mg/L	
CCB1	CCB1			W	4/30/18						
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L	
LB94973BLS	LB94973BLS			S	4/30/18						
Ortho Phosphate		PASS	0.000	0.000			+/-0.0020			mg/Kg	
LB94973BSS	LB94973BSS			S	4/30/18						
Ortho Phosphate		PASS	5.058	101.00	101.0	90.00	110.00			mg/Kg	
J2604-01	PT-AN-SOIL		1	S	4/30/18						
Ortho Phosphate		PASS	1.704	33.9						mg/Kg	
J2604-01D	PT-AN-SOILD		1	S	4/30/18						
Ortho Phosphate		PASS	1.608	32.00				5.8	20	mg/Kg	
CCV2	CCV2			W	4/30/18						
Ortho Phosphate		PASS	4.981	4.98	100.0	90	110			mg/L	
CCB2	CCB2			W	4/30/18						
Ortho Phosphate		PASS	0.000	0.000			+/-0.0100			mg/L	

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Parameter			Final Conc	%Rec		LCL	UCL	Line 2
Sulfate								
STD1	STD1			W	4/18/18			
Sulfate		PASS	0.000	0.000				mg/L
STD2	STD2			W	4/18/18			
Sulfate		PASS	1.505	1.50				mg/L
STD3	STD3			W	4/18/18			
Sulfate		PASS	3.156	3.16				mg/L
STD4	STD4			W	4/18/18			
Sulfate		PASS	5.928	5.93				mg/L
STD5	STD5			W	4/18/18			
Sulfate		PASS	14.173	14.2				mg/L
STD6	STD6			W	4/18/18			
Sulfate		PASS	28.874	28.9				mg/L
STD7	STD7			W	4/18/18			
Sulfate		PASS	38.615	38.6				mg/L
ICV1	ICV1			W	4/18/18			
Sulfate		PASS	14.951	15.00	100.0	90	110	mg/L
ICB1	ICB1			W	4/18/18			
Sulfate		PASS	0.000	0.000			+/-0.1320	mg/L
CCV1	CCV1			W	4/30/18			
Sulfate		PASS	14.022	14.00	93.0	90	110	mg/L
CCB1	CCB1			W	4/30/18			
Sulfate		PASS	0.000	0.000			+/-0.1320	mg/L
LB94973BLS	LB94973BLS			S	4/30/18			
Sulfate		PASS	0.000	0.000			+/-0.0960	mg/Kg
LB94973BSS	LB94973BSS			S	4/30/18			
Sulfate		PASS	15.222	304.00	101.0	90.00	110.00	mg/Kg
J2604-01	PT-AN-SOIL		1	S	4/30/18			
Sulfate		OR	121.812	2430				mg/Kg
J2604-01D	PT-AN-SOILD		1	S	4/30/18			
Sulfate		PASS	112.515	2240.00			8.1	20 mg/Kg
J2604-01DL	PT-AN-SOILD		5	S	4/30/18			
Sulfate		PASS	20.880	2080				mg/Kg
CCV2	CCV2			W	4/30/18			
Sulfate		PASS	14.140	14.10	94.0	90	110	mg/L
CCB2	CCB2			W	4/30/18			
Sulfate		PASS	0.000	0.000			+/-0.1320	mg/L