

Chemtech Consulting Group

Analytical Review Report

Date Printed : 1/27/17
 Analyst : AP
 Data File : LB85435.csv

Approved By : 
 Approved Date : 1/27/17
 Worksheet # :

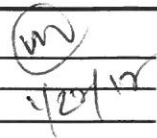
M9056 - A - Inorganic Anions - 12

Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB				Method	Method			
							LCL	UCL	RPD	Max RPD	Units
Bromide											
STD1	STD1				W	1/16/17					
Bromide		PASS	0.000		0.000						mg/L
STD2	STD2				W	1/16/17					
Bromide		PASS	0.913		0.913						mg/L
STD3	STD3				W	1/16/17					
Bromide		PASS	2.270		2.27						mg/L
STD4	STD4				W	1/16/17					
Bromide		PASS	4.082		4.08						mg/L
STD5	STD5				W	1/16/17					
Bromide		PASS	9.756		9.76						mg/L
STD6	STD6				W	1/16/17					
Bromide		PASS	19.527		19.5						mg/L
STD7	STD7				W	1/16/17					
Bromide		PASS	24.510		24.5						mg/L
STD8	STD8				W	1/16/17					
Bromide		PASS	50.442		50.4						mg/L
ICV1	ICV1				W	1/16/17					
Bromide		PASS	25.395		25.40	102.0	90	110			mg/L
ICB1	ICB1				W	1/16/17					
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L
CCV1	CCV1				W	1/19/17					
Bromide		PASS	25.634		25.60	102.0	90	110			mg/L
CCB1	CCB1				W	1/19/17					
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L
LB85435BLW	LB85435BLW				W	1/19/17					
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L
LB85435BSW	LB85435BSW				W	1/19/17					
Bromide		PASS	25.127		25.10	100.0	90	110			mg/L
I1272-08	0008		1		W	1/19/17					
Bromide		PASS	2.884		2.88						mg/L
CCV2	CCV2				W	1/19/17					
Bromide		PASS	25.139		25.10	100.0	90	110			mg/L
CCB2	CCB2				W	1/19/17					
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L

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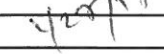
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Chloride	STD1	PASS	0.000		W	1/16/17					mg/L	
Chloride	STD2	PASS	0.357		W	1/16/17					mg/L	
Chloride	STD3	PASS	0.765		W	1/16/17					mg/L	
Chloride	STD4	PASS	1.259		W	1/16/17					mg/L	
Chloride	STD5	PASS	2.867		W	1/16/17					mg/L	
Chloride	STD6	PASS	5.722		W	1/16/17					mg/L	
Chloride	STD7	PASS	7.248		W	1/16/17					mg/L	
Chloride	STD8	PASS	15.231		W	1/16/17					mg/L	
Chloride	ICV1	PASS	7.295		W	1/16/17	90	110			mg/L	
Chloride	ICB1	PASS	0.000		W	1/16/17		+/-0.0750			mg/L	
Chloride	CCV1	PASS	7.207		W	1/19/17	90	110			mg/L	
Chloride	CCB1	PASS	0.000		W	1/19/17		+/-0.0750			mg/L	
Chloride	LB85435BLW	PASS	0.000		W	1/19/17		+/-0.0750			mg/L	
Chloride	LB85435BSW	PASS	7.300		W	1/19/17	90	110			mg/L	
Chloride	0008	OR	204.637	1	W	1/19/17					mg/L	
Chloride	0008DL	OR	33.725	5	W	1/19/17					mg/L	
Chloride	0008DL	PASS	7.275	20	W	1/19/17					mg/L	
Chloride	CCV2	PASS	7.244		W	1/19/17	90	110			mg/L	
Chloride	CCB2	PASS	0.000		W	1/19/17		+/-0.0750			mg/L	

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Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Fluoride										
STD1	STD1				W	1/16/17				
Fluoride		PASS	0.000		0.000					mg/L
STD2	STD2				W	1/16/17				
Fluoride		PASS	0.255		0.255					mg/L
STD3	STD3				W	1/16/17				
Fluoride		PASS	0.470		0.470					mg/L
STD4	STD4				W	1/16/17				
Fluoride		PASS	0.845		0.845					mg/L
STD5	STD5				W	1/16/17				
Fluoride		PASS	1.854		1.85					mg/L
STD6	STD6				W	1/16/17				
Fluoride		PASS	3.888		3.89					mg/L
STD7	STD7				W	1/16/17				
Fluoride		PASS	4.862		4.86					mg/L
STD8	STD8				W	1/16/17				
Fluoride		PASS	10.125		10.1					mg/L
ICV1	ICV1				W	1/16/17				
Fluoride		PASS	4.693		4.69	94.0	90	110		mg/L
ICB1	ICB1				W	1/16/17				
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L
CCV1	CCV1				W	1/19/17				
Fluoride		PASS	5.010		5.01	100.0	90	110		mg/L
CCB1	CCB1				W	1/19/17				
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L
LB85435BLW	LB85435BLW				W	1/19/17				
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L
LB85435BSW	LB85435BSW				W	1/19/17				
Fluoride		PASS	4.940		4.94	99.0	90	110		mg/L
I1272-08	0008			1	W	1/19/17				
Fluoride		PASS	3.739		3.74					mg/L
CCV2	CCV2				W	1/19/17				
Fluoride		PASS	4.952		4.95	99.0	90	110		mg/L
CCB2	CCB2				W	1/19/17				
Fluoride		PASS	0.000		0.000			+/-0.0430		mg/L

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Nitrate												
STD1	STD1				W	1/16/17						
Nitrate		PASS	0.000		0.000						mg/L	
STD2	STD2				W	1/16/17						
Nitrate		PASS	0.320		0.320						mg/L	
STD3	STD3				W	1/16/17						
Nitrate		PASS	0.623		0.623						mg/L	
STD4	STD4				W	1/16/17						
Nitrate		PASS	0.966		0.966						mg/L	
STD5	STD5				W	1/16/17						
Nitrate		PASS	2.151		2.15						mg/L	
STD6	STD6				W	1/16/17						
Nitrate		PASS	4.254		4.25						mg/L	
STD7	STD7				W	1/16/17						
Nitrate		PASS	5.345		5.34						mg/L	
STD8	STD8				W	1/16/17						
Nitrate		PASS	11.540		11.5						mg/L	
ICV1	ICV1				W	1/16/17						
Nitrate		PASS	6.179		6.18	99.0	90	110			mg/L	
ICB1	ICB1				W	1/16/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
CCV1	CCV1				W	1/19/17						
Nitrate		PASS	5.506		5.51	98.0	90	110			mg/L	
CCB1	CCB1				W	1/19/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
LB85435BLW	LB85435BLW				W	1/19/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
LB85435BSW	LB85435BSW				W	1/19/17						
Nitrate		PASS	6.132		6.13	98.0	90	110			mg/L	
I1272-23	0007			1	W	1/19/17						
Nitrate		OR	11.309		11.3						mg/L	
I1272-23DL	0007DL			2	W	1/19/17						
Nitrate		PASS	5.369		10.7						mg/L	
CCV2	CCV2				W	1/19/17						
Nitrate		PASS	5.457		5.46	97.0	90	110			mg/L	
CCB2	CCB2				W	1/19/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	

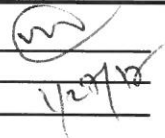
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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
Nitrite											
STD1	STD1				W	1/16/17					
Nitrite		PASS	0.000		0.000						mg/L
STD2	STD2				W	1/16/17					
Nitrite		PASS	0.365		0.365						mg/L
STD3	STD3				W	1/16/17					
Nitrite		PASS	0.704		0.704						mg/L
STD4	STD4				W	1/16/17					
Nitrite		PASS	1.246		1.25						mg/L
STD5	STD5				W	1/16/17					
Nitrite		PASS	2.902		2.90						mg/L
STD6	STD6				W	1/16/17					
Nitrite		PASS	5.908		5.91						mg/L
STD7	STD7				W	1/16/17					
Nitrite		PASS	7.390		7.39						mg/L
STD8	STD8				W	1/16/17					
Nitrite		PASS	15.396		15.4						mg/L
ICV1	ICV1				W	1/16/17					
Nitrite		PASS	7.582		7.58	101.0	90	110			mg/L
ICB1	ICB1				W	1/16/17					
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L
CCV1	CCV1				W	1/19/17					
Nitrite		PASS	7.465		7.46	98.0	90	110			mg/L
CCB1	CCB1				W	1/19/17					
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L
LB85435BLW	LB85435BLW				W	1/19/17					
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L
LB85435BSW	LB85435BSW				W	1/19/17					
Nitrite		PASS	7.487		7.49	100.0	90	110			mg/L
I1272-23	0007			1	W	1/19/17					
Nitrite		PASS	0.000		0.000						mg/L
I1272-33	0041			1	W	1/19/17					
Nitrite		PASS	2.849		2.85						mg/L
CCV2	CCV2				W	1/19/17					
Nitrite		PASS	7.510		7.51	99.0	90	110			mg/L
CCB2	CCB2				W	1/19/17					
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L

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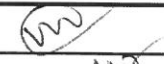
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
											Line 2
Ortho Phosphate											
STD1	STD1				W	1/16/17					
Ortho Phosphate		PASS	0.000		0.000						mg/L
STD2	STD2				W	1/16/17					
Ortho Phosphate		PASS	0.141		0.141						mg/L
STD3	STD3				W	1/16/17					
Ortho Phosphate		PASS	1.038		1.04						mg/L
STD4	STD4				W	1/16/17					
Ortho Phosphate		PASS	2.114		2.11						mg/L
STD5	STD5				W	1/16/17					
Ortho Phosphate		PASS	4.688		4.69						mg/L
STD6	STD6				W	1/16/17					
Ortho Phosphate		PASS	9.791		9.79						mg/L
STD7	STD7				W	1/16/17					
Ortho Phosphate		PASS	11.962		12.0						mg/L
STD8	STD8				W	1/16/17					
Ortho Phosphate		PASS	24.246		24.2						mg/L
ICV1	ICV1				W	1/16/17					
Ortho Phosphate		PASS	11.280		11.30	90.0	90	110			mg/L
ICB1	ICB1				W	1/16/17					
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L
CCV1	CCV1				W	1/19/17					
Ortho Phosphate		PASS	12.674		12.70	105.0	90	110			mg/L
CCB1	CCB1				W	1/19/17					
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L
LB85435BLW	LB85435BLW				W	1/19/17					
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L
LB85435BSW	LB85435BSW				W	1/19/17					
Ortho Phosphate		PASS	12.263		12.30	98.0	90	110			mg/L
I1272-23	0007			1	W	1/19/17					
Ortho Phosphate		PASS	3.357		3.36						mg/L
CCV2	CCV2				W	1/19/17					
Ortho Phosphate		PASS	12.010		12.00	99.0	90	110			mg/L
CCB2	CCB2				W	1/19/17					
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
Sulfate											
STD1	STD1				W	1/16/17					
Sulfate		PASS	0.000		0.000						mg/L
STD2	STD2				W	1/16/17					
Sulfate		PASS	2.257		2.26						mg/L
STD3	STD3				W	1/16/17					
Sulfate		PASS	4.027		4.03						mg/L
STD4	STD4				W	1/16/17					
Sulfate		PASS	6.435		6.44						mg/L
STD5	STD5				W	1/16/17					
Sulfate		PASS	14.161		14.2						mg/L
STD6	STD6				W	1/16/17					
Sulfate		PASS	28.134		28.1						mg/L
STD7	STD7				W	1/16/17					
Sulfate		PASS	35.683		35.7						mg/L
STD8	STD8				W	1/16/17					
Sulfate		PASS	76.553		76.6						mg/L
ICV1	ICV1				W	1/16/17					
Sulfate		PASS	36.442		36.40	97.0	90	110			mg/L
ICB1	ICB1				W	1/16/17					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
CCV1	CCV1				W	1/19/17					
Sulfate		PASS	35.812		35.80	95.0	90	110			mg/L
CCB1	CCB1				W	1/19/17					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB85435BLW	LB85435BLW				W	1/19/17					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB85435BSW	LB85435BSW				W	1/19/17					
Sulfate		PASS	37.093		37.10	99.0	90	110			mg/L
I1272-08	0008			1	W	1/19/17					
Sulfate		OR	131.272		131						mg/L
I1272-08DL	0008DL			5	W	1/19/17					
Sulfate		PASS	23.576		118						mg/L
CCV2	CCV2				W	1/19/17					
Sulfate		PASS	35.936		35.90	96.0	90	110			mg/L
CCB2	CCB2				W	1/19/17					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L