

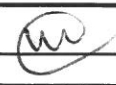
Chemtech Consulting Group

Analytical Review Report

Date Printed : 1/6/17

Analyst : AP

Data File : LB85186.csv

Approved By : 

Approved Date : 1/9/17

Worksheet # :

mg056 - A - Inorganic Anions - 12

Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Bromide											
STD1	STD1				W	12/20/16					
Bromide		PASS	0.000		0.000					mg/L	
STD2	STD2				W	12/20/16					
Bromide		PASS	1.415		1.42					mg/L	
STD3	STD3				W	12/20/16					
Bromide		PASS	2.676		2.68					mg/L	
STD4	STD4				W	12/20/16					
Bromide		PASS	4.317		4.32					mg/L	
STD5	STD5				W	12/20/16					
Bromide		PASS	9.639		9.64					mg/L	
STD6	STD6				W	12/20/16					
Bromide		PASS	18.895		18.9					mg/L	
STD7	STD7				W	12/20/16					
Bromide		PASS	23.462		23.5					mg/L	
STD8	STD8				W	12/20/16					
Bromide		PASS	51.095		51.1					mg/L	
CCV1	CCV1				W	12/20/16					
Bromide		PASS	23.293		23.30	93.0	90	110		mg/L	
CCB1	CCB1				W	12/20/16					
Bromide		PASS	0.000		0.000			+/-0.0660		mg/L	
ICV1	ICV1				W	12/20/16					
Bromide		PASS	23.228		23.20	93.0	90	110		mg/L	
ICB1	ICB1				W	12/20/16					
Bromide		PASS	0.000		0.000			+/-0.0660		mg/L	
LB85186BLW	LB85186BLW				W	12/21/16					
Bromide		PASS	0.000		0.000			+/-0.0660		mg/L	
LB85186BSW	LB85186BSW				W	12/21/16					
Bromide		PASS	24.082		24.10	96.0	90	110		mg/L	
H6103-05	LOD-WATER-05-QT1-2017				W	12/21/16					
Bromide		PASS	0.117	1	0.117					mg/L	
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16					
Bromide		PASS	0.993		0.99	99.0	50	150		mg/L	
CCV1	CCV1				W	12/21/16					
Bromide		PASS	23.867		23.90	96.0	90	110		mg/L	
CCB1	CCB1				W	12/21/16					
Bromide		PASS	0.000		0.000			+/-0.0660		mg/L	

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Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Chloride											
STD1	STD1				W	12/20/16					
Chloride		PASS	0.000		0.000					mg/L	
STD2	STD2				W	12/20/16					
Chloride		PASS	0.438		0.438					mg/L	
STD3	STD3				W	12/20/16					
Chloride		PASS	0.814		0.814					mg/L	
STD4	STD4				W	12/20/16					
Chloride		PASS	1.297		1.30					mg/L	
STD5	STD5				W	12/20/16					
Chloride		PASS	2.890		2.89					mg/L	
STD6	STD6				W	12/20/16					
Chloride		PASS	5.647		5.65					mg/L	
STD7	STD7				W	12/20/16					
Chloride		PASS	7.023		7.02					mg/L	
STD8	STD8				W	12/20/16					
Chloride		PASS	15.341		15.3					mg/L	
CCV1	CCV1				W	12/20/16					
Chloride		PASS	6.963		6.96	93.0	90	110		mg/L	
CCB1	CCB1				W	12/20/16					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	
ICV1	ICV1				W	12/20/16					
Chloride		PASS	6.961		6.96	93.0	90	110		mg/L	
ICB1	ICB1				W	12/20/16					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	
LB85186BLW	LB85186BLW				W	12/21/16					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	
LB85186BSW	LB85186BSW				W	12/21/16					
Chloride		PASS	7.241		7.24	97.0	90	110		mg/L	
H6103-05	LOD-WATER-05-QT1-2017				W	12/21/16					
Chloride		PASS	0.008	1	0.008					mg/L	
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16					
Chloride		PASS	0.307		0.31	103.0	50	150		mg/L	
CCV1	CCV1				W	12/21/16					
Chloride		PASS	7.151		7.15	95.0	90	110		mg/L	
CCB1	CCB1				W	12/21/16					
Chloride		PASS	0.000		0.000			+/-0.0750		mg/L	

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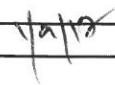
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 Approved Date : 1/2/17
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method	LCL	UCL	Line 2
Fluoride											
STD1	STD1				W	12/20/16					
Fluoride		PASS	0.000		0.000						mg/L
STD2	STD2				W	12/20/16					
Fluoride		PASS	0.155		0.155						mg/L
STD3	STD3				W	12/20/16					
Fluoride		PASS	0.437		0.437						mg/L
STD4	STD4				W	12/20/16					
Fluoride		PASS	0.817		0.817						mg/L
STD5	STD5				W	12/20/16					
Fluoride		PASS	1.941		1.94						mg/L
STD6	STD6				W	12/20/16					
Fluoride		PASS	4.024		4.02						mg/L
STD7	STD7				W	12/20/16					
Fluoride		PASS	4.860		4.86						mg/L
STD8	STD8				W	12/20/16					
Fluoride		PASS	10.066		10.1						mg/L
CCV1	CCV1				W	12/20/16					
Fluoride		PASS	4.742		4.74	95.0	90	110			mg/L
CCB1	CCB1				W	12/20/16					
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L
ICV1	ICV1				W	12/20/16					
Fluoride		PASS	4.498		4.50	90.0	90	110			mg/L
ICB1	ICB1				W	12/20/16					
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L
LB85186BLW	LB85186BLW				W	12/21/16					
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L
LB85186BSW	LB85186BSW				W	12/21/16					
Fluoride		PASS	5.055		5.06	101.0	90	110			mg/L
H6103-05	LOD-WATER-05-QT1-2017				W	12/21/16					
Fluoride		PASS	0.045		0.045						mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16					
Fluoride		PASS	0.209		0.21	105.0	50	150			mg/L
CCV1	CCV1				W	12/21/16					
Fluoride		PASS	5.058		5.06	101.0	90	110			mg/L
CCB1	CCB1				W	12/21/16					
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L

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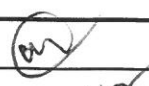
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Nitrate											
STD1	STD1				W	12/20/16					
Nitrate		PASS	0.000		0.000					mg/L	
STD2	STD2				W	12/20/16					
Nitrate		PASS	0.304		0.304					mg/L	
STD3	STD3				W	12/20/16					
Nitrate		PASS	0.603		0.603					mg/L	
STD4	STD4				W	12/20/16					
Nitrate		PASS	0.969		0.969					mg/L	
STD5	STD5				W	12/20/16					
Nitrate		PASS	2.179		2.18					mg/L	
STD6	STD6				W	12/20/16					
Nitrate		PASS	4.281		4.28					mg/L	
STD7	STD7				W	12/20/16					
Nitrate		PASS	5.315		5.32					mg/L	
STD8	STD8				W	12/20/16					
Nitrate		PASS	11.540		11.5					mg/L	
CCV1	CCV1				W	12/20/16					
Nitrate		PASS	5.278		5.28	93.0	90	110		mg/L	
CCB1	CCB1				W	12/20/16					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
ICV1	ICV1				W	12/20/16					
Nitrate		PASS	5.846		5.85	94.0	90	110		mg/L	
ICB1	ICB1				W	12/20/16					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
LB85186BLW	LB85186BLW				W	12/21/16					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
LB85186BSW	LB85186BSW				W	12/21/16					
Nitrate		PASS	6.069		6.07	97.0	90	110		mg/L	
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/21/16					
Nitrate		PASS	0.029		0.029					mg/L	
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16					
Nitrate		PASS	0.250		0.25	100.0	50	150		mg/L	
CCV1	CCV1				W	12/21/16					
Nitrate		PASS	5.409		5.41	96.0	90	110		mg/L	
CCB1	CCB1				W	12/21/16					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	

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Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Nitrite										
STD1	STD1				W	12/20/16				
Nitrite		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/20/16				
Nitrite		PASS	0.360		0.360					mg/L
STD3	STD3				W	12/20/16				
Nitrite		PASS	0.738		0.738					mg/L
STD4	STD4				W	12/20/16				
Nitrite		PASS	1.248		1.25					mg/L
STD5	STD5				W	12/20/16				
Nitrite		PASS	2.912		2.91					mg/L
STD6	STD6				W	12/20/16				
Nitrite		PASS	5.809		5.81					mg/L
STD7	STD7				W	12/20/16				
Nitrite		PASS	7.242		7.24					mg/L
STD8	STD8				W	12/20/16				
Nitrite		PASS	15.451		15.5					mg/L
CCV1	CCV1				W	12/20/16				
Nitrite		PASS	7.201		7.20	95.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
ICV1	ICV1				W	12/20/16				
Nitrite		PASS	7.110		7.11	95.0	90	110		mg/L
ICB1	ICB1				W	12/20/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
LB85186BLW	LB85186BLW				W	12/21/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L
LB85186BSW	LB85186BSW				W	12/21/16				
Nitrite		PASS	7.368		7.37	98.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017			1	W	12/21/16				
Nitrite		PASS	0.070		0.070					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16				
Nitrite		PASS	0.323		0.32	107.0	50	150		mg/L
CCV1	CCV1				W	12/21/16				
Nitrite		PASS	7.443		7.44	98.0	90	110		mg/L
CCB1	CCB1				W	12/21/16				
Nitrite		PASS	0.000		0.000			+/-0.0220		mg/L

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Parameter			PPB		Final Conc	%Rec	Method	Method		Line 2
Ortho Phosphate										
STD1	STD1				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000					mg/L
STD2	STD2				W	12/20/16				
Ortho Phosphate		PASS	0.437		0.437					mg/L
STD3	STD3				W	12/20/16				
Ortho Phosphate		PASS	1.144		1.14					mg/L
STD4	STD4				W	12/20/16				
Ortho Phosphate		PASS	2.173		2.17					mg/L
STD5	STD5				W	12/20/16				
Ortho Phosphate		PASS	4.526		4.53					mg/L
STD6	STD6				W	12/20/16				
Ortho Phosphate		PASS	8.996		9.00					mg/L
STD7	STD7				W	12/20/16				
Ortho Phosphate		PASS	12.297		12.3					mg/L
STD8	STD8				W	12/20/16				
Ortho Phosphate		PASS	24.388		24.4					mg/L
CCV1	CCV1				W	12/20/16				
Ortho Phosphate		PASS	11.293		11.30	93.0	90	110		mg/L
CCB1	CCB1				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
ICV1	ICV1				W	12/20/16				
Ortho Phosphate		PASS	11.337		11.30	90.0	90	110		mg/L
ICB1	ICB1				W	12/20/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
LB85186BLW	LB85186BLW				W	12/21/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
LB85186BSW	LB85186BSW				W	12/21/16				
Ortho Phosphate		PASS	12.429		12.40	99.0	90	110		mg/L
H6103-05	LOD-WATER-05-QT1-2017				W	12/21/16				
Ortho Phosphate		PASS	0.040	1	0.040					mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16				
Ortho Phosphate		PASS	0.586		0.59	118.0	50	150		mg/L
CCV1	CCV1				W	12/21/16				
Ortho Phosphate		PASS	12.201		12.20	101.0	90	110		mg/L
CCB1	CCB1				W	12/21/16				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		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
Sulfate											
STD1	STD1				W	12/20/16					
Sulfate		PASS	0.000		0.000						mg/L
STD2	STD2				W	12/20/16					
Sulfate		PASS	2.423		2.42						mg/L
STD3	STD3				W	12/20/16					
Sulfate		PASS	4.225		4.22						mg/L
STD4	STD4				W	12/20/16					
Sulfate		PASS	6.547		6.55						mg/L
STD5	STD5				W	12/20/16					
Sulfate		PASS	14.250		14.2						mg/L
STD6	STD6				W	12/20/16					
Sulfate		PASS	28.030		28.0						mg/L
STD7	STD7				W	12/20/16					
Sulfate		PASS	34.907		34.9						mg/L
STD8	STD8				W	12/20/16					
Sulfate		PASS	76.868		76.9						mg/L
CCV1	CCV1				W	12/20/16					
Sulfate		PASS	34.663		34.70	93.0	90	110			mg/L
CCB1	CCB1				W	12/20/16					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
ICV1	ICV1				W	12/20/16					
Sulfate		PASS	34.535		34.50	92.0	90	110			mg/L
ICB1	ICB1				W	12/20/16					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB85186BLW	LB85186BLW				W	12/21/16					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB85186BSW	LB85186BSW				W	12/21/16					
Sulfate		PASS	35.789		35.80	95.0	90	110			mg/L
H6103-05	LOD-WATER-05-QT1-2017				W	12/21/16					
Sulfate		PASS	0.309	1	0.309						mg/L
H6103-06	LOQ-WATER-06-QT1-2017				W	12/21/16					
Sulfate		PASS	1.656		1.66	111.0	50	150			mg/L
CCV1	CCV1				W	12/21/16					
Sulfate		PASS	35.469		35.50	95.0	90	110			mg/L
CCB1	CCB1				W	12/21/16					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L