

Chemtech Consulting Group

Analytical Review Report

Date Printed : 2/17/17
 Analyst : AK
 Data File : LB85828.csv

Approved By : MA
 Approved Date : 2/17/17
 Worksheet # : 1

M3000 - Inorganic Anions - 16

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
Bromide												
STD1	STD1				W	2/14/17						
Bromide		PASS	0.000		0.000						mg/L	
STD2	STD2				W	2/14/17						
Bromide		PASS	0.895		0.895						mg/L	
STD3	STD3				W	2/14/17						
Bromide		PASS	2.264		2.26						mg/L	
STD4	STD4				W	2/14/17						
Bromide		PASS	4.074		4.07						mg/L	
STD5	STD5				W	2/14/17						
Bromide		PASS	9.757		9.76						mg/L	
STD6	STD6				W	2/14/17						
Bromide		PASS	19.517		19.5						mg/L	
STD7	STD7				W	2/14/17						
Bromide		PASS	24.577		24.6						mg/L	
STD8	STD8				W	2/14/17						
Bromide		PASS	50.415		50.4						mg/L	
ICV1	ICV1				W	2/14/17						
Bromide		PASS	25.120		25.10	100.0	90	110			mg/L	
ICB1	ICB1				W	2/14/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
CCV1	CCV1				W	2/15/17						
Bromide		PASS	24.940		24.90	100.0	90	110			mg/L	
CCB1	CCB1				W	2/15/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB85828BLW	LB85828BLW				W	2/15/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB85828BSW	LB85828BSW				W	2/15/17						
Bromide		PASS	25.360		25.40	102.0	90	110			mg/L	
I1795-01	POOLWATER		1		W	2/15/17						
Bromide		PASS	0.000		0.000						mg/L	
I1795-01D	POOLWATERD		1		W	2/15/17						
Bromide		PASS	0.000		0.00				0	20	mg/L	
I1795-01S	POOLWATERS		1		W	2/15/17						
Bromide		PASS	24.825		24.80	99.0	80	120			mg/L	
DOC-1	DOC-1				W	2/15/17						
Bromide		PASS	24.636		24.60	98.0	90	110			mg/L	
DOC-2	DOC-2				W	2/15/17						
Bromide		PASS	24.652		24.70	99.0	90	110			mg/L	
DOC-3	DOC-3				W	2/15/17						
Bromide		PASS	24.907		24.90	100.0	90	110			mg/L	

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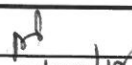
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Lab Sample ID	Client ID					Prep	Analysis				
Parameter		Raw Amt PPB	Dil	Matrix	A. Date	Method	Method				Line 1
			Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Bromide											
DOC-4	DOC-4			W	2/15/17						
Bromide		PASS	24.705	24.70	99.0	90	110			mg/L	
CCV2	CCV2			W	2/15/17						
Bromide		PASS	25.025	25.00	100.0	90	110			mg/L	
CCB2	CCB2			W	2/15/17						
Bromide		PASS	0.000	0.000			+/-0.0660			mg/L	

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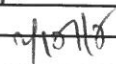
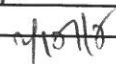
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1
Parameter			PPB	Final Conc	%Rec		Method	Method		Line 2
Chloride										
STD1	STD1				W	2/14/17				
Chloride		PASS	0.000	0.000					mg/L	
STD2	STD2				W	2/14/17				
Chloride		PASS	0.366	0.366					mg/L	
STD3	STD3				W	2/14/17				
Chloride		PASS	0.735	0.735					mg/L	
STD4	STD4				W	2/14/17				
Chloride		PASS	1.270	1.27					mg/L	
STD5	STD5				W	2/14/17				
Chloride		PASS	2.955	2.96					mg/L	
STD6	STD6				W	2/14/17				
Chloride		PASS	5.688	5.69					mg/L	
STD7	STD7				W	2/14/17				
Chloride		PASS	7.176	7.18					mg/L	
STD8	STD8				W	2/14/17				
Chloride		PASS	15.260	15.3					mg/L	
ICV1	ICV1				W	2/14/17				
Chloride		PASS	7.104	7.10	95.0		90	110	mg/L	
ICB1	ICB1				W	2/14/17				
Chloride		PASS	0.000	0.000				+/-0.0750	mg/L	
CCV1	CCV1				W	2/15/17				
Chloride		PASS	7.266	7.27	97.0		90	110	mg/L	
CCB1	CCB1				W	2/15/17				
Chloride		PASS	0.000	0.000				+/-0.0750	mg/L	
LB85828BLW	LB85828BLW				W	2/15/17				
Chloride		PASS	0.000	0.000				+/-0.0750	mg/L	
LB85828BSW	LB85828BSW				W	2/15/17				
Chloride		PASS	7.209	7.21	96.0		90	110	mg/L	
I1795-01	POOLWATER				W	2/15/17				
Chloride		PASS	0.000	0.000					mg/L	
I1795-01D	POOLWATERD				W	2/15/17				
Chloride		PASS	0.000	0.00				0	20	mg/L
I1795-01S	POOLWATERS				W	2/15/17				
Chloride		PASS	7.151	7.15	95.0		80	120	mg/L	
DOC-1	DOC-1				W	2/15/17				
Chloride		PASS	7.004	7.00	93.0		90	110	mg/L	
DOC-2	DOC-2				W	2/15/17				
Chloride		PASS	7.002	7.00	93.0		90	110	mg/L	
DOC-3	DOC-3				W	2/15/17				
Chloride		PASS	7.022	7.02	94.0		90	110	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											
DOC-4	DOC-4			W	2/15/17						
Chloride		PASS	7.045	7.04	94.0	90	110			mg/L	
CCV2	CCV2			W	2/15/17						
Chloride		PASS	7.144	7.14	95.0	90	110			mg/L	
CCB2	CCB2			W	2/15/17						
Chloride		PASS	0.000	0.000			+/-0.0750			mg/L	

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Parameter			PPB				Method	Method			Line 1	
				Final Conc		%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Fluoride												
STD1	STD1				W	2/14/17						
Fluoride		PASS	0.000	0.000							mg/L	
STD2	STD2				W	2/14/17						
Fluoride		PASS	0.224	0.224							mg/L	
STD3	STD3				W	2/14/17						
Fluoride		PASS	0.450	0.450							mg/L	
STD4	STD4				W	2/14/17						
Fluoride		PASS	0.762	0.762							mg/L	
STD5	STD5				W	2/14/17						
Fluoride		PASS	1.927	1.93							mg/L	
STD6	STD6				W	2/14/17						
Fluoride		PASS	3.924	3.92							mg/L	
STD7	STD7				W	2/14/17						
Fluoride		PASS	4.943	4.94							mg/L	
STD8	STD8				W	2/14/17						
Fluoride		PASS	10.069	10.1							mg/L	
ICV1	ICV1				W	2/14/17						
Fluoride		PASS	5.215	5.22	104.0		90	110			mg/L	
ICB1	ICB1				W	2/14/17						
Fluoride		PASS	0.000	0.000				+/-0.0430			mg/L	
CCV1	CCV1				W	2/15/17						
Fluoride		PASS	4.879	4.88	98.0		90	110			mg/L	
CCB1	CCB1				W	2/15/17						
Fluoride		PASS	0.000	0.000				+/-0.0430			mg/L	
LB85828BLW	LB85828BLW				W	2/15/17						
Fluoride		PASS	0.000	0.000				+/-0.0430			mg/L	
LB85828BSW	LB85828BSW				W	2/15/17						
Fluoride		PASS	5.181	5.18	104.0		90	110			mg/L	
I1795-01	POOLWATER		1		W	2/15/17						
Fluoride		PASS	0.000	0.000							mg/L	
I1795-01D	POOLWATERD		1		W	2/15/17						
Fluoride		PASS	0.000	0.00					0	20	mg/L	
I1795-01S	POOLWATERS		1		W	2/15/17						
Fluoride		PASS	4.874	4.87	97.0		80	120			mg/L	
DOC-1	DOC-1				W	2/15/17						
Fluoride		PASS	5.099	5.10	102.0		90	110			mg/L	
DOC-2	DOC-2				W	2/15/17						
Fluoride		PASS	5.116	5.12	102.0		90	110			mg/L	
DOC-3	DOC-3				W	2/15/17						
Fluoride		PASS	5.029	5.03	101.0		90	110			mg/L	

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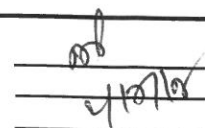
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Lab Sample ID	Client ID	Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter		PPB	Final Conc		%Rec	Method	Method				Line 2
Fluoride											
DOC-4	DOC-4			W	2/15/17						
Fluoride		PASS	5.160	5.16	103.0	90	110			mg/L	
CCV2	CCV2			W	2/15/17						
Fluoride		PASS	5.094	5.09	102.0	90	110			mg/L	
CCB2	CCB2			W	2/15/17						
Fluoride		PASS	0.000	0.000			+/-0.0430			mg/L	

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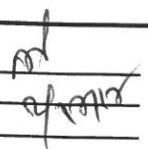
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Nitrate											
STD1	STD1				W	2/14/17					
Nitrate		PASS	0.000		0.000					mg/L	
STD2	STD2				W	2/14/17					
Nitrate		PASS	0.355		0.355					mg/L	
STD3	STD3				W	2/14/17					
Nitrate		PASS	0.662		0.662					mg/L	
STD4	STD4				W	2/14/17					
Nitrate		PASS	1.070		1.07					mg/L	
STD5	STD5				W	2/14/17					
Nitrate		PASS	2.386		2.39					mg/L	
STD6	STD6				W	2/14/17					
Nitrate		PASS	4.707		4.71					mg/L	
STD7	STD7				W	2/14/17					
Nitrate		PASS	5.944		5.94					mg/L	
STD8	STD8				W	2/14/17					
Nitrate		PASS	12.751		12.8					mg/L	
ICV1	ICV1				W	2/14/17					
Nitrate		PASS	6.085		6.08	97.0	90	110		mg/L	
ICB1	ICB1				W	2/14/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
CCV1	CCV1				W	2/15/17					
Nitrate		PASS	6.002		6.00	96.0	90	110		mg/L	
CCB1	CCB1				W	2/15/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	
DOC-1	DOC-1				W	2/15/17					
Nitrate		PASS	6.019		6.02	96.0	90	110		mg/L	
DOC-2	DOC-2				W	2/15/17					
Nitrate		PASS	5.997		6.00	96.0	90	110		mg/L	
DOC-3	DOC-3				W	2/15/17					
Nitrate		PASS	6.066		6.07	97.0	90	110		mg/L	
DOC-4	DOC-4				W	2/15/17					
Nitrate		PASS	5.989		5.99	96.0	90	110		mg/L	
CCV2	CCV2				W	2/15/17					
Nitrate		PASS	6.062		6.06	97.0	90	110		mg/L	
CCB2	CCB2				W	2/15/17					
Nitrate		PASS	0.000		0.000			+/-0.0270		mg/L	

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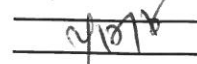
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Lab Sample ID	Client ID	Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method	Line 1
Parameter			Final Conc	%Rec		LCL	UCL	Line 2
Nitrite								
STD1	STD1			W	2/14/17			
Nitrite		PASS	0.000	0.000				mg/L
STD2	STD2			W	2/14/17			
Nitrite		PASS	0.404	0.404				mg/L
STD3	STD3			W	2/14/17			
Nitrite		PASS	0.790	0.790				mg/L
STD4	STD4			W	2/14/17			
Nitrite		PASS	1.292	1.29				mg/L
STD5	STD5			W	2/14/17			
Nitrite		PASS	2.893	2.89				mg/L
STD6	STD6			W	2/14/17			
Nitrite		PASS	5.703	5.70				mg/L
STD7	STD7			W	2/14/17			
Nitrite		PASS	7.059	7.06				mg/L
STD8	STD8			W	2/14/17			
Nitrite		PASS	15.310	15.3				mg/L
ICV1	ICV1			W	2/14/17			
Nitrite		PASS	7.177	7.18	96.0	90	110	mg/L
ICB1	ICB1			W	2/14/17			
Nitrite		PASS	0.000	0.000			+/-0.0220	mg/L
CCV1	CCV1			W	2/15/17			
Nitrite		PASS	7.137	7.14	95.0	90	110	mg/L
CCB1	CCB1			W	2/15/17			
Nitrite		PASS	0.000	0.000			+/-0.0220	mg/L
DOC-1	DOC-1			W	2/15/17			
Nitrite		PASS	7.072	7.07	94.0	90	110	mg/L
DOC-2	DOC-2			W	2/15/17			
Nitrite		PASS	7.251	7.25	97.0	90	110	mg/L
DOC-3	DOC-3			W	2/15/17			
Nitrite		PASS	7.124	7.12	95.0	90	110	mg/L
DOC-4	DOC-4			W	2/15/17			
Nitrite		PASS	7.100	7.10	95.0	90	110	mg/L
CCV2	CCV2			W	2/15/17			
Nitrite		PASS	7.234	7.23	96.0	90	110	mg/L
CCB2	CCB2			W	2/15/17			
Nitrite		PASS	0.000	0.000			+/-0.0220	mg/L

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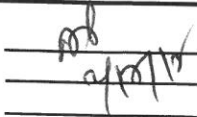
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Ortho Phosphate											
STD1	STD1				W	2/14/17					
Ortho-Phosphate		PASS	0.000		0.000						mg/L
STD2	STD2				W	2/14/17					
Ortho-Phosphate		PASS	0.151		0.151						mg/L
STD3	STD3				W	2/14/17					
Ortho-Phosphate		PASS	1.002		1.00						mg/L
STD4	STD4				W	2/14/17					
Ortho-Phosphate		PASS	2.203		2.20						mg/L
STD5	STD5				W	2/14/17					
Ortho-Phosphate		PASS	5.211		5.21						mg/L
STD6	STD6				W	2/14/17					
Ortho-Phosphate		PASS	9.767		9.77						mg/L
STD7	STD7				W	2/14/17					
Ortho-Phosphate		PASS	12.277		12.3						mg/L
STD8	STD8				W	2/14/17					
Ortho-Phosphate		PASS	25.138		25.1						mg/L
ICV1	ICV1				W	2/14/17					
Ortho-Phosphate		PASS	12.860		12.90	103.0	90	110			mg/L
ICB1	ICB1				W	2/14/17					
Ortho-Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L
CCV1	CCV1				W	2/15/17					
Ortho-Phosphate		PASS	11.674		11.70	94.0	90	110			mg/L
CCB1	CCB1				W	2/15/17					
Ortho-Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L
DOC-1	DOC-1				W	2/15/17					
Ortho-Phosphate		PASS	12.638		12.60	101.0	90	110			mg/L
DOC-2	DOC-2				W	2/15/17					
Ortho-Phosphate		PASS	12.628		12.60	101.0	90	110			mg/L
DOC-3	DOC-3				W	2/15/17					
Ortho-Phosphate		PASS	12.703		12.70	102.0	90	110			mg/L
DOC-4	DOC-4				W	2/15/17					
Ortho-Phosphate		PASS	12.619		12.60	101.0	90	110			mg/L
CCV2	CCV2				W	2/15/17					
Ortho-Phosphate		PASS	12.363		12.40	99.0	90	110			mg/L
CCB2	CCB2				W	2/15/17					
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	2/14/17					
Sulfate		PASS	0.000		0.000					mg/L	
STD2	STD2				W	2/14/17					
Sulfate		PASS	2.154		2.15					mg/L	
STD3	STD3				W	2/14/17					
Sulfate		PASS	4.018		4.02					mg/L	
STD4	STD4				W	2/14/17					
Sulfate		PASS	6.338		6.34					mg/L	
STD5	STD5				W	2/14/17					
Sulfate		PASS	14.059		14.1					mg/L	
STD6	STD6				W	2/14/17					
Sulfate		PASS	28.419		28.4					mg/L	
STD7	STD7				W	2/14/17					
Sulfate		PASS	35.845		35.8					mg/L	
STD8	STD8				W	2/14/17					
Sulfate		PASS	76.416		76.4					mg/L	
ICV1	ICV1				W	2/14/17					
Sulfate		PASS	35.575		35.60	95.0	90	110		mg/L	
ICB1	ICB1				W	2/14/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	
CCV1	CCV1				W	2/15/17					
Sulfate		PASS	35.737		35.70	95.0	90	110		mg/L	
CCB1	CCB1				W	2/15/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	
DOC-1	DOC-1				W	2/15/17					
Sulfate		PASS	35.311		35.30	94.0	90	110		mg/L	
DOC-2	DOC-2				W	2/15/17					
Sulfate		PASS	35.020		35.00	93.0	90	110		mg/L	
DOC-3	DOC-3				W	2/15/17					
Sulfate		PASS	35.323		35.30	94.0	90	110		mg/L	
DOC-4	DOC-4				W	2/15/17					
Sulfate		PASS	35.060		35.10	94.0	90	110		mg/L	
CCV2	CCV2				W	2/15/17					
Sulfate		PASS	35.496		35.50	95.0	90	110		mg/L	
CCB2	CCB2				W	2/15/17					
Sulfate		PASS	0.000		0.000			+/-0.1320		mg/L	