

Chemtech Consulting Group

Analytical Review Report

Date Printed : 7/6/17
 Analyst : AK
 Data File : LB88548.csv

Approved By : 
 Approved Date :
 Worksheet # : 

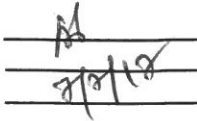
m9056 - A - Inorganic Anions-13.

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	6/8/17						
Bromide		PASS	0.000		0.000						mg/L	
STD2	STD2				W	6/8/17						
Bromide		PASS	0.683		0.683						mg/L	
STD3	STD3				W	6/8/17						
Bromide		PASS	2.081		2.08						mg/L	
STD4	STD4				W	6/8/17						
Bromide		PASS	3.898		3.90						mg/L	
STD5	STD5				W	6/8/17						
Bromide		PASS	9.513		9.51						mg/L	
STD6	STD6				W	6/8/17						
Bromide		PASS	19.613		19.6						mg/L	
STD7	STD7				W	6/8/17						
Bromide		PASS	25.421		25.4						mg/L	
ICV1	ICV1				W	6/8/17						
Bromide		PASS	9.899		9.90	99.0	90	110			mg/L	
ICB1	ICB1				W	6/8/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
CCV1	CCV1				W	6/21/17						
Bromide		PASS	9.673		9.67	97.0	90	110			mg/L	
CCB1	CCB1				W	6/21/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	
LB88548BLS	LB88548BLS				S	6/21/17						
Bromide		PASS	0.000		0.000			+/-0.1900			mg/Kg	
LB88548BSS	LB88548BSS				S	6/21/17						
Bromide		PASS	9.687		194.00	97.0	90.00	110.00			mg/Kg	
I3757-01	LOD-SOIL-01-QT3-2017			1	S	6/21/17						
Bromide		PASS	0.475		9.46						mg/Kg	
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17						
Bromide		PASS	1.273		25.40	127.0	50.00	150.00			mg/Kg	
CCV2	CCV2				W	6/21/17						
Bromide		PASS	9.753		9.75	98.0	90	110			mg/L	
CCB2	CCB2				W	6/21/17						
Bromide		PASS	0.000		0.000			+/-0.0660			mg/L	

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Chloride												
STD1	STD1				W	6/8/17						
Chloride		PASS		0.000	0.000						mg/L	
STD2	STD2				W	6/8/17						
Chloride		PASS		0.228	0.228						mg/L	
STD3	STD3				W	6/8/17						
Chloride		PASS		0.631	0.631						mg/L	
STD4	STD4				W	6/8/17						
Chloride		PASS		1.166	1.17						mg/L	
STD5	STD5				W	6/8/17						
Chloride		PASS		2.839	2.84						mg/L	
STD6	STD6				W	6/8/17						
Chloride		PASS		5.884	5.88						mg/L	
STD7	STD7				W	6/8/17						
Chloride		PASS		7.633	7.63						mg/L	
ICV1	ICV1				W	6/8/17						
Chloride		PASS		2.961	2.96	99.0	90	110			mg/L	
ICB1	ICB1				W	6/8/17						
Chloride		PASS		0.000	0.000			+/-0.0750			mg/L	
CCV1	CCV1				W	6/21/17						
Chloride		PASS		2.890	2.89	96.0	90	110			mg/L	
CCB1	CCB1				W	6/21/17						
Chloride		PASS		0.000	0.000			+/-0.0750			mg/L	
LB88548BLS	LB88548BLS				S	6/21/17						
Chloride		PASS		0.000	0.000			+/-0.0320			mg/Kg	
LB88548BSS	LB88548BSS				S	6/21/17						
Chloride		PASS		2.894	57.90	97.0	90.00	110.00			mg/Kg	
I3757-01	LOD-SOIL-01-QT3-2017		1		S	6/21/17						
Chloride		PASS		0.131	2.61						mg/Kg	
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17						
Chloride		PASS		0.402	8.02	134.0	50.00	150.00			mg/Kg	
CCV2	CCV2				W	6/21/17						
Chloride		PASS		2.908	2.91	97.0	90	110			mg/L	
CCB2	CCB2				W	6/21/17						
Chloride		PASS		0.000	0.000			+/-0.0750			mg/L	

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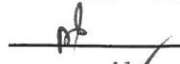
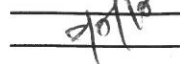
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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Fluoride												
STD1	STD1				W	6/8/17						
Fluoride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	6/8/17						
Fluoride		PASS	0.130		0.130						mg/L	
STD3	STD3				W	6/8/17						
Fluoride		PASS	0.418		0.418						mg/L	
STD4	STD4				W	6/8/17						
Fluoride		PASS	0.804		0.804						mg/L	
STD5	STD5				W	6/8/17						
Fluoride		PASS	1.933		1.93						mg/L	
STD6	STD6				W	6/8/17						
Fluoride		PASS	3.883		3.88						mg/L	
STD7	STD7				W	6/8/17						
Fluoride		PASS	5.095		5.10						mg/L	
ICV1	ICV1				W	6/8/17						
Fluoride		PASS	2.025		2.02	101.0	90	110			mg/L	
ICB1	ICB1				W	6/8/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
CCV1	CCV1				W	6/21/17						
Fluoride		PASS	2.029		2.03	102.0	90	110			mg/L	
CCB1	CCB1				W	6/21/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB88548BLS	LB88548BLS				S	6/21/17						
Fluoride		PASS	0.000		0.000			+/-0.0170			mg/Kg	
LB88548BSS	LB88548BSS				S	6/21/17						
Fluoride		PASS	2.021		40.40	101.0	90.00	110.00			mg/Kg	
I3757-01	LOD-SOIL-01-QT3-2017			1	S	6/21/17						
Fluoride		PASS	0.064		1.27						mg/Kg	
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17						
Fluoride		PASS	0.232		4.63	116.0	50.00	150.00			mg/Kg	
CCV2	CCV2				W	6/21/17						
Fluoride		PASS	2.006		2.01	101.0	90	110			mg/L	
CCB2	CCB2				W	6/21/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	

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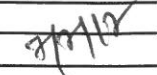
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1	
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Nitrate												
STD1	STD1				W	6/8/17						
Nitrate		PASS	0.000		0.000						mg/L	
STD2	STD2				W	6/8/17						
Nitrate		PASS	0.199		0.199						mg/L	
STD3	STD3				W	6/8/17						
Nitrate		PASS	0.524		0.524						mg/L	
STD4	STD4				W	6/8/17						
Nitrate		PASS	0.974		0.974						mg/L	
STD5	STD5				W	6/8/17						
Nitrate		PASS	2.372		2.37						mg/L	
STD6	STD6				W	6/8/17						
Nitrate		PASS	4.911		4.91						mg/L	
STD7	STD7				W	6/8/17						
Nitrate		PASS	6.361		6.36						mg/L	
ICV1	ICV1				W	6/8/17						
Nitrate		PASS	2.466		2.47	99.0	90	110			mg/L	
ICB1	ICB1				W	6/8/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
CCV1	CCV1				W	6/21/17						
Nitrate		PASS	2.407		2.41	96.0	90	110			mg/L	
CCB1	CCB1				W	6/21/17						
Nitrate		PASS	0.000		0.000			+/-0.0270			mg/L	
LB88548BLS	LB88548BLS				S	6/21/17						
Nitrate		PASS	0.000		0.000			+/-0.0110			mg/Kg	
LB88548BSS	LB88548BSS				S	6/21/17						
Nitrate		PASS	2.416		48.30	97.0	90.00	110.00			mg/Kg	
I3757-01	LOD-SOIL-01-QT3-2017			1	S	6/21/17						
Nitrate		PASS	0.132		2.63						mg/Kg	
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17						
Nitrate		PASS	0.324		6.47	129.0	50.00	150.00			mg/Kg	
CCV2	CCV2				W	6/21/17						
Nitrate		PASS	2.422		2.42	97.0	90	110			mg/L	
CCB2	CCB2				W	6/21/17						
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	Line 2
Nitrite												
STD1	STD1				W	6/8/17						
Nitrite		PASS	0.000		0.000						mg/L	
STD2	STD2				W	6/8/17						
Nitrite		PASS	0.243		0.243						mg/L	
STD3	STD3				W	6/8/17						
Nitrite		PASS	0.635		0.635						mg/L	
STD4	STD4				W	6/8/17						
Nitrite		PASS	1.156		1.16						mg/L	
STD5	STD5				W	6/8/17						
Nitrite		PASS	2.823		2.82						mg/L	
STD6	STD6				W	6/8/17						
Nitrite		PASS	5.962		5.96						mg/L	
STD7	STD7				W	6/8/17						
Nitrite		PASS	7.604		7.60						mg/L	
ICV1	ICV1				W	6/8/17						
Nitrite		PASS	2.953		2.95	98.0	90	110			mg/L	
ICB1	ICB1				W	6/8/17						
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L	
CCV1	CCV1				W	6/21/17						
Nitrite		PASS	2.849		2.85	95.0	90	110			mg/L	
CCB1	CCB1				W	6/21/17						
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L	
LB88548BLS	LB88548BLS				S	6/21/17						
Nitrite		PASS	0.000		0.000			+/-0.0100			mg/Kg	
LB88548BSS	LB88548BSS				S	6/21/17						
Nitrite		PASS	2.876		57.50	96.0	90.00	110.00			mg/Kg	
I3757-01	LOD-SOIL-01-QT3-2017			1	S	6/21/17						
Nitrite		PASS	0.167		3.33						mg/Kg	
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17						
Nitrite		PASS	0.397		7.92	132.0	50.00	150.00			mg/Kg	
CCV2	CCV2				W	6/21/17						
Nitrite		PASS	2.902		2.90	97.0	90	110			mg/L	
CCB2	CCB2				W	6/21/17						
Nitrite		PASS	0.000		0.000			+/-0.0220			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
Ortho Phosphate										
STD1	STD1				W	6/8/17				
Ortho Phosphate		PASS	0.000		0.000					mg/L
STD2	STD2				W	6/8/17				
Ortho Phosphate		PASS	0.133		0.133					mg/L
STD3	STD3				W	6/8/17				
Ortho Phosphate		PASS	1.066		1.07					mg/L
STD4	STD4				W	6/8/17				
Ortho Phosphate		PASS	2.058		2.06					mg/L
STD5	STD5				W	6/8/17				
Ortho Phosphate		PASS	4.763		4.76					mg/L
STD6	STD6				W	6/8/17				
Ortho Phosphate		PASS	10.052		10.1					mg/L
STD7	STD7				W	6/8/17				
Ortho Phosphate		PASS	12.738		12.7					mg/L
ICV1	ICV1				W	6/8/17				
Ortho Phosphate		PASS	5.122		5.12	102.0	90	110		mg/L
ICB1	ICB1				W	6/8/17				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
CCV1	CCV1				W	6/21/17				
Ortho Phosphate		PASS	5.082		5.08	102.0	90	110		mg/L
CCB1	CCB1				W	6/21/17				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L
LB88548BLS	LB88548BLS				S	6/21/17				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0020		mg/Kg
LB88548BSS	LB88548BSS				S	6/21/17				
Ortho Phosphate		PASS	5.163		103.00	103.0	90.00	110.00		mg/Kg
I3757-01	LOD-SOIL-01-QT3-2017			1	S	6/21/17				
Ortho Phosphate		PASS	-0.093		-1.85					mg/Kg
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17				
Ortho Phosphate		PASS	0.629		12.60	126.0	50.00	150.00		mg/Kg
CCV2	CCV2				W	6/21/17				
Ortho Phosphate		PASS	5.197		5.20	104.0	90	110		mg/L
CCB2	CCB2				W	6/21/17				
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100		mg/L

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Worksheet # : 1

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
Sulfate	STD1				W	6/8/17						
STD1 Sulfate		PASS	0.000	0.000								
STD2	STD2				W	6/8/17					mg/L	
STD2 Sulfate		PASS	1.286	1.29								
STD3	STD3				W	6/8/17					mg/L	
STD3 Sulfate		PASS	3.203	3.20								
STD4	STD4				W	6/8/17					mg/L	
STD4 Sulfate		PASS	5.849	5.85								
STD5	STD5				W	6/8/17					mg/L	
STD5 Sulfate		PASS	14.160	14.2								
STD6	STD6				W	6/8/17					mg/L	
STD6 Sulfate		PASS	29.518	29.5								
STD7	STD7				W	6/8/17					mg/L	
STD7 Sulfate		PASS	38.268	38.3								
ICV1	ICV1				W	6/8/17					mg/L	
ICV1 Sulfate		PASS	14.646	14.60		97.0	90	110				
ICB1	ICB1				W	6/8/17					mg/L	
ICB1 Sulfate		PASS	0.000	0.000								
CCV1	CCV1				W	6/21/17			+/-0.1320		mg/L	
CCV1 Sulfate		PASS	14.196	14.20		95.0	90	110				
CCB1	CCB1				W	6/21/17					mg/L	
CCB1 Sulfate		PASS	0.000	0.000								
LB88548BLS	LB88548BLS				S	6/21/17			+/-0.1320		mg/L	
LB88548BLS Sulfate		PASS	0.000	0.000								
LB88548BSS	LB88548BSS				S	6/21/17			+/-0.0960		mg/Kg	
LB88548BSS Sulfate		PASS	14.296	286.00		95.0	90.00	110.00				
I3757-01	LOD-SOIL-01-QT3-2017				S	6/21/17					mg/Kg	
I3757-01 Sulfate		PASS	0.908	18.1								
I3757-02	LOQ-SOIL-02-QT3-2017				S	6/21/17					mg/Kg	
I3757-02 Sulfate		PASS	2.037	40.70		136.0	50.00	150.00				
CCV2	CCV2				W	6/21/17					mg/Kg	
CCV2 Sulfate		PASS	14.311	14.30		95.0	90	110				
CCB2	CCB2				W	6/21/17					mg/L	
CCB2 Sulfate		PASS	0.000	0.000					+/-0.1320		mg/L	