


Chemtech Consulting Group

Analytical Review Report

Date Printed : 1/27/17
 Analyst : AP
 Data File : LB85446.csv

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


M 9056 - A - Inorganic Arsenic - 12

Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis		Line 1				
Parameter			PPB		Final Conc	%Rec	Method	Method	LCL	UCL	RPD	Max RPD	Units	Line 2
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	1/23/17								
Bromide		PASS	24.838		24.80	99.0			90	110			mg/L	
CCB1	CCB1				W	1/23/17								
Bromide		PASS	0.000		0.000					+/-0.0660			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17								
Bromide		PASS	0.000		0.000					+/-0.1900			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17								
Bromide		PASS	24.754		495.00	99.0			90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17								
Bromide		PASS	1.353		27.1								mg/Kg	
CCV2	CCV2				W	1/23/17								
Bromide		PASS	24.612		24.60	98.0			90	110			mg/L	
CCB2	CCB2				W	1/23/17								
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	1/16/17						
Chloride		PASS	0.000		0.000						mg/L	
STD2	STD2				W	1/16/17						
Chloride		PASS	0.357		0.357						mg/L	
STD3	STD3				W	1/16/17						
Chloride		PASS	0.765		0.765						mg/L	
STD4	STD4				W	1/16/17						
Chloride		PASS	1.259		1.26						mg/L	
STD5	STD5				W	1/16/17						
Chloride		PASS	2.867		2.87						mg/L	
STD6	STD6				W	1/16/17						
Chloride		PASS	5.722		5.72						mg/L	
STD7	STD7				W	1/16/17						
Chloride		PASS	7.248		7.25						mg/L	
STD8	STD8				W	1/16/17						
Chloride		PASS	15.231		15.2						mg/L	
ICV1	ICV1				W	1/16/17						
Chloride		PASS	7.295		7.30	97.0	90	110			mg/L	
ICB1	ICB1				W	1/16/17						
Chloride		PASS	0.000		0.000			+/-0.0750			mg/L	
CCV1	CCV1				W	1/23/17						
Chloride		PASS	7.285		7.28	97.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Chloride		PASS	0.000		0.000			+/-0.0750			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Chloride		PASS	0.000		0.000			+/-0.0320			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Chloride		PASS	7.278		146.00	97.0	90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17						
Chloride		OR	44.810		896						mg/Kg	
I1272-05DL	0063DL			4	S	1/23/17						
Chloride		PASS	9.908		793						mg/Kg	
CCV2	CCV2				W	1/23/17						
Chloride		PASS	7.261		7.26	97.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
Chloride		PASS	0.000		0.000			+/-0.0750			mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep Method	Analysis Method		Line 1		
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	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	1/23/17						
Fluoride		PASS	5.290		5.29	106.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Fluoride		PASS	0.000		0.000			+/-0.0430			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Fluoride		PASS	0.000		0.000			+/-0.0170			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Fluoride		PASS	5.146	103.00	103.00	103.0	90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17						
Fluoride		OR	10.629		213						mg/Kg	
I1272-05DL	0063DL			4	S	1/23/17						
Fluoride		PASS	2.878		230						mg/Kg	
CCV2	CCV2				W	1/23/17						
Fluoride		PASS	5.430		5.43	109.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
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	1/23/17						
Nitrate		PASS	5.481	5.48		97.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Nitrate		PASS	0.000	0.000				+/-0.0270			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Nitrate		PASS	0.000	0.000				+/-0.0110			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Nitrate		PASS	6.099	122.00		98.0	90.00	110.00			mg/Kg	
I1380-01	15K0665			100	S	1/23/17						
Nitrate		PASS	2.576	5150							mg/Kg	
I1272-05	0063			1	S	1/23/17						
Nitrate		OR	11.813	236							mg/Kg	
I1272-05DL	0063DL			4	S	1/23/17						
Nitrate		PASS	2.783	223							mg/Kg	
CCV2	CCV2				W	1/23/17						
Nitrate		PASS	5.513	5.51		98.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
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	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	1/23/17						
Nitrite		PASS	7.542		7.54	99.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Nitrite		PASS	0.000		0.000			+/-0.0220			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Nitrite		PASS	0.000		0.000			+/-0.0100			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Nitrite		PASS	7.448		149.00	99.0	90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17						
Nitrite		PASS	0.000		0.000						mg/Kg	
CCV2	CCV2				W	1/23/17						
Nitrite		PASS	7.506		7.51	99.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
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	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	1/23/17						
Ortho Phosphate		PASS	11.420		11.40	94.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Ortho Phosphate		PASS	0.000		0.000			+/-0.0100			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Ortho Phosphate		PASS	0.000		0.000			+/-0.0020			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Ortho Phosphate		PASS	11.282		226.00	90.0	90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17						
Ortho Phosphate		PASS	0.469		9.38						mg/Kg	
CCV2	CCV2				W	1/23/17						
Ortho Phosphate		PASS	12.388		12.40	102.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
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	Line 2
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	1/23/17						
Sulfate		PASS	36.932		36.90	98.0	90	110			mg/L	
CCB1	CCB1				W	1/23/17						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
LB85446BLS	LB85446BLS				S	1/23/17						
Sulfate		PASS	0.000		0.000			+/-0.0960			mg/Kg	
LB85446BSS	LB85446BSS				S	1/23/17						
Sulfate		PASS	37.294		746.00	99.0	90.00	110.00			mg/Kg	
I1272-05	0063			1	S	1/23/17						
Sulfate		PASS	48.978		980						mg/Kg	
CCV2	CCV2				W	1/23/17						
Sulfate		PASS	36.420		36.40	97.0	90	110			mg/L	
CCB2	CCB2				W	1/23/17						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	