

Chemtech Consulting Group

Analytical Review Report

Date Printed : 3/8/18

Analyst : BT

Data File : lb93624.csv

Approved By : [Signature]

Approved Date : 3/8/18

Worksheet # : 1

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
Sulfate										
STD1	STD1			W	2/19/18					
Sulfate		PASS	0.000	0.000						mg/L
STD2	STD2			W	2/19/18					
Sulfate		PASS	1.304	1.30						mg/L
STD3	STD3			W	2/19/18					
Sulfate		PASS	3.209	3.21						mg/L
STD4	STD4			W	2/19/18					
Sulfate		PASS	5.836	5.84						mg/L
STD5	STD5			W	2/19/18					
Sulfate		PASS	14.080	14.1						mg/L
STD6	STD6			W	2/19/18					
Sulfate		PASS	29.615	29.6						mg/L
STD7	STD7			W	2/19/18					
Sulfate		PASS	37.394	37.4						mg/L
ICV1	ICV1			W	2/20/18					
Sulfate		PASS	15.376	15.40	103.0	90	110			mg/L
ICB1	ICB1			W	2/20/18					
Sulfate		PASS	0.000	0.000			+/-0.1320			mg/L
CCV1	CCV1			W	3/1/18					
Sulfate		PASS	14.276	14.30	95.0	90	110			mg/L
CCB1	CCB1			W	3/1/18					
Sulfate		PASS	0.000	0.000			+/-0.1320			mg/L
LB93624BLS	LB93624BLS			S	3/1/18					
Sulfate		PASS	0.000	0.000			+/-0.0960			mg/Kg
LB93624BSS	LB93624BSS			S	3/1/18					
Sulfate		PASS	14.434	288.00	96.0	90.00	110.00			mg/Kg
J1720-01	SP-31		1	S	3/1/18					
Sulfate		PASS	4.807	104						mg/Kg
J1720-01D	SP-31D		1	S	3/1/18					
Sulfate		PASS	4.809	104.00				0	20	mg/Kg
J1720-03	SP-38		1	S	3/1/18					
Sulfate		PASS	12.053	264						mg/Kg
J1720-01S	SP-31S		1	S	3/1/18					
Sulfate		PASS	18.728	411.0	93.0	80	120			mg/Kg
J1720-01SD	SP-31SD		1	S	3/1/18					
Sulfate		PASS	18.538	406.0	92.0	80	120	1.2	15	mg/Kg
J1720-05	SP-44		1	S	3/1/18					
Sulfate		PASS	9.330	204						mg/Kg
J1720-07	SP-30		1	S	3/1/18					
Sulfate		PASS	11.352	247						mg/Kg

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
											Line 2
Sulfate											
J1720-09	SP-37			1	S	3/1/18					
Sulfate		PASS	5.347		116						mg/Kg
CCV2	CCV2				W	3/1/18					
Sulfate		PASS	14.226		14.20	95.0	90	110			mg/L
CCB2	CCB2				W	3/1/18					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
J1720-11	SP-43			1	S	3/1/18					
Sulfate		PASS	10.270		224						mg/Kg
J1720-13	SP-49			1	S	3/1/18					
Sulfate		PASS	18.928		407						mg/Kg
J1720-15	SP-29			1	S	3/1/18					
Sulfate		PASS	7.690		167						mg/Kg
J1720-17	SP-36			1	S	3/1/18					
Sulfate		PASS	16.582		357						mg/Kg
J1720-19	SP-42			1	S	3/1/18					
Sulfate		PASS	4.501		98.6						mg/Kg
J1721-01S	SP-48S			1	S	3/1/18					
Sulfate		PASS	22.249		501.0	107.0	80	120			mg/Kg
J1721-01SD	SP-48SD			1	S	3/1/18					
Sulfate		PASS	21.897		494.0	105.0	80	120	1.4	15	mg/Kg
J1721-01	SP-48			1	S	3/1/18					
Sulfate		PASS	6.194		140						mg/Kg
J1721-01D	SP-48D			1	S	3/1/18					
Sulfate		PASS	6.106		138.00				1.4	20	mg/Kg
J1721-03	SP-28			1	S	3/1/18					
Sulfate		PASS	7.650		170						mg/Kg
CCV3	CCV3				W	3/1/18					
Sulfate		PASS	14.103		14.10	94.0	90	110			mg/L
CCB3	CCB3				W	3/2/18					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB93624BLS2	LB93624BLS2				S	3/2/18					
Sulfate		PASS	0.000		0.000			+/-0.0960			mg/Kg
LB93624BSS2	LB93624BSS2				S	3/2/18					
Sulfate		PASS	14.664		292.00	97.0	90.00	110.00			mg/Kg
J1721-05	SP-35			1	S	3/2/18					
Sulfate		PASS	6.103		134						mg/Kg
J1721-07	SP-41			1	S	3/2/18					
Sulfate		PASS	21.379		473						mg/Kg
J1721-09	SP-47			1	S	3/2/18					
Sulfate		PASS	13.873		309						mg/Kg

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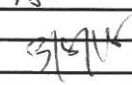
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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis				Line 1
Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Sulfate												
J1721-11	SP-50			1	S	3/2/18						
Sulfate		PASS	16.831		380						mg/Kg	
J1721-13	SP-46			1	S	3/2/18						
Sulfate		PASS	9.324		198						mg/Kg	
J1721-15	SP-40			1	S	3/2/18						
Sulfate		PASS	13.087		288						mg/Kg	
J1721-17	SP-34			1	S	3/2/18						
Sulfate		PASS	10.288		229						mg/Kg	
J1721-19	SP-27			1	S	3/2/18						
Sulfate		PASS	13.893		297						mg/Kg	
CCV4	CCV4				W	3/2/18						
Sulfate		PASS	13.695		13.70	91.0	90	110			mg/L	
CCB4	CCB4				W	3/2/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
J1722-01	SP-24			1	S	3/2/18						
Sulfate		PASS	17.292		381						mg/Kg	
J1722-01D	SP-24D			1	S	3/2/18						
Sulfate		PASS	17.320		382.00				0.3	20	mg/Kg	
J1722-01S	SP-24S			1	S	3/2/18						
Sulfate		FAIL	36.539		810.0	129.0	80	120			mg/Kg	
J1722-01SD	SP-24SD			1	S	3/2/18						
Sulfate		FAIL	35.956		793.0	124.0	80	120	2.1	15	mg/Kg	
J1722-03	SP-21			1	S	3/2/18						
Sulfate		PASS	24.149		536						mg/Kg	
J1722-05	SP-18			1	S	3/2/18						
Sulfate		PASS	19.286		429						mg/Kg	
J1722-07	SP-15			1	S	3/2/18						
Sulfate		PASS	20.296		449						mg/Kg	
J1722-09	SP-5			1	S	3/2/18						
Sulfate		PASS	15.512		352						mg/Kg	
J1722-11	SP-7			1	S	3/2/18						
Sulfate		PASS	12.606		280						mg/Kg	
J1722-13	SP-9			1	S	3/2/18						
Sulfate		PASS	21.168		474						mg/Kg	
CCV5	CCV5				W	3/2/18						
Sulfate		PASS	13.849		13.80	92.0	90	110			mg/L	
CCB5	CCB5				W	3/2/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
LB93624BLS3	LB93624BLS3				S	3/2/18						
Sulfate		PASS	0.000		0.000			+/-0.0960			mg/Kg	

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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Sulfate												
LB93624BSS3	LB93624BSS3				S	3/2/18						
Sulfate		PASS	15.077		300.00	100.0	90.00	110.00			mg/Kg	
J1722-15	SP-11			1	S	3/2/18						
Sulfate		PASS	26.632		584						mg/Kg	
J1722-17	SP-14			1	S	3/2/18						
Sulfate		PASS	12.917		273						mg/Kg	
J1722-19	SP-17			1	S	3/2/18						
Sulfate		PASS	13.320		287						mg/Kg	
J1723-01	SP-20			1	S	3/2/18						
Sulfate		PASS	6.783		148						mg/Kg	
J1723-03	SP-23			1	S	3/2/18						
Sulfate		PASS	4.590		96.4						mg/Kg	
J1723-05	SP-1			1	S	3/2/18						
Sulfate		PASS	15.100		332						mg/Kg	
J1723-07	SP-2			1	S	3/2/18						
Sulfate		PASS	9.617		207						mg/Kg	
J1723-09	SP-3			1	S	3/2/18						
Sulfate		PASS	4.514		98.5						mg/Kg	
CCV6	CCV6				W	3/2/18						
Sulfate		PASS	14.789		14.80	99.0	90	110			mg/L	
CCB6	CCB6				W	3/2/18						
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L	
J1723-11	SP-4			1	S	3/2/18						
Sulfate		PASS	4.956		110						mg/Kg	
J1723-13	SP-26			1	S	3/2/18						
Sulfate		PASS	8.281		184						mg/Kg	
J1723-15	SP-33			1	S	3/2/18						
Sulfate		PASS	9.166		205						mg/Kg	
J1723-17	SP-39			1	S	3/2/18						
Sulfate		PASS	11.379		249						mg/Kg	
J1723-19	SP-45			1	S	3/2/18						
Sulfate		PASS	10.302		227						mg/Kg	
J1724-01	SP-6			1	S	3/2/18						
Sulfate		PASS	10.570		235						mg/Kg	
J1724-01D	SP-6D			1	S	3/2/18						
Sulfate		PASS	13.010		289.00				20.6	20	mg/Kg	
J1724-01S	SP-6S			1	S	3/2/18						
Sulfate		PASS	27.983		616.0	115.0	80	120			mg/Kg	
J1724-01SD	SP-6SD			1	S	3/2/18						
Sulfate		PASS	27.155		604.0	110.0	80	120	2.0	15	mg/Kg	

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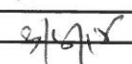
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Parameter			PPB		Final Conc	%Rec	LCL	UCL	RPD	Max RPD	Units
											Line 2
Sulfate											
J1724-03	SP-8			1	S	3/3/18					
Sulfate		PASS	10.232		227						mg/Kg
CCV7	CCV7				W	3/3/18					
Sulfate		PASS	14.648		14.60	97.0	90	110			mg/L
CCB7	CCB7				W	3/3/18					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
CCV8	CCV8				W	3/3/18					
Sulfate		PASS	14.447		14.40	96.0	90	110			mg/L
CCB8	CCB8				W	3/3/18					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L
LB93624BLS4	LB93624BLS4				S	3/3/18					
Sulfate		PASS	0.000		0.000			+/-0.0960			mg/Kg
LB93624BSS4	LB93624BSS4				S	3/3/18					
Sulfate		PASS	14.760		294.00	98.0	90.00	110.00			mg/Kg
J1724-05	SP-10			1	S	3/3/18					
Sulfate		PASS	21.831		473						mg/Kg
J1724-07	SP-13			1	S	3/3/18					
Sulfate		PASS	6.920		154						mg/Kg
J1724-09	SP-16			1	S	3/3/18					
Sulfate		PASS	15.014		333						mg/Kg
J1724-11	SP-19			1	S	3/3/18					
Sulfate		PASS	7.211		161						mg/Kg
J1724-13	SP-22			1	S	3/3/18					
Sulfate		PASS	11.384		246						mg/Kg
J1724-15	SP-25			1	S	3/3/18					
Sulfate		PASS	13.361		295						mg/Kg
J1724-17	SP-32			1	S	3/3/18					
Sulfate		PASS	7.908		170						mg/Kg
J1724-19	SP-12			1	S	3/3/18					
Sulfate		PASS	13.473		296						mg/Kg
CCV9	CCV9				W	3/3/18					
Sulfate		PASS	14.781		14.80	99.0	90	110			mg/L
CCB9	CCB9				W	3/3/18					
Sulfate		PASS	0.000		0.000			+/-0.1320			mg/L