

Analytical Summary Report

Analysis Method: SM 4500-SO4E

ANALYST: AMANDEEP

Parameter: Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB86067

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP53231
sulfate 0.0ppm	WP53222
sulfate 5ppm	WP53223
sulfate 10ppm	WP53224
sulfate 20ppm	WP53226
sulfate 30ppm	WP53228
sulfate 40ppm	WP53229
sulfate CCV 20ppm	WP53230
Sulfate Buffer solution A	WP53171
Sulfate std, 15ppm	WP53225
Sulfate std, 35ppm	WP53232
Sulfate std, 25ppm	WP53227
Sulfate LCS std, 20ppm	WP53233
BARIUM CHLORIDE DIHYDRATE ACS 100G	W2210

Intercept: -0.2895

Slope: 2.9876

Regression: 0.999906

Seq	Lab ID	True Val (mg/l)	DF	MATRIX	Initial Reading	Final Reading	Difference	AnalDate	Anal Time
1	CAL1	0	1	Water	0.131	0.444	0.313	03/01/2017	08:50
2	CAL2	5	1	Water	0.159	14.100	13.941	03/01/2017	08:54
3	CAL3	10	1	Water	0.134	30.200	30.066	03/01/2017	08:58
4	CAL4	15	1	Water	0.134	43.900	43.766	03/01/2017	09:02
5	CAL5	20	1	Water	0.180	59.800	59.620	03/01/2017	09:06
6	CAL6	25	1	Water	0.162	74.200	74.038	03/01/2017	09:10
7	CAL7	30	1	Water	0.174	90.000	89.826	03/01/2017	09:14
8	CAL8	35	1	Water	0.201	105.000	104.799	03/01/2017	09:18
9	CAL9	40	1	Water	0.210	119.000	118.790	03/01/2017	09:22



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Seq	Lab ID	Initial Weight	Final Vol	True Value	DF	MATRIX	Initial Reading	Final Reading	Difference	Result (mg/L)	AnalDate	Anal Time
1	ICV			20	1	Water	0.130	61.900	61.770	20.772	03/01/2017	09:26
2	ICB				1	Water	0.185	0.352	0.167	0.153	03/01/2017	09:30
3	CCV1			20	1	Water	0.176	58.500	58.324	19.619	03/01/2017	09:34
4	CCB1				1	Water	0.180	0.353	0.173	0.155	03/01/2017	09:38
5	LB86067BL	50	50		1	Water	0.176	0.340	0.164	0.152	03/01/2017	09:42
6	LB86067BS	50	50	20	1	Water	0.132	61.800	61.668	20.738	03/01/2017	09:46
7	I1933-01	50	50		1	Water	5.770	137.000	131.230	44.022	03/01/2017	09:50
8	I1933-02	50	50		1	Water	5.310	111.000	105.690	35.473	03/01/2017	09:54
9	I1933-02DUP	50	50		1	Water	5.280	111.000	105.720	35.483	03/01/2017	09:58
10	I1933-02MS	50	50	20	1	Water	2.420	147.000	144.580	48.490	03/01/2017	10:02
11	I1933-02MSD	50	50	20	1	Water	2.400	146.000	143.600	48.162	03/01/2017	10:06
12	I1933-03	50	50		1	Water	11.100	262.000	250.900	84.077	03/01/2017	10:10
13	I1933-04	50	50		1	Water	4.520	78.800	74.280	24.960	03/01/2017	10:14
14	I1933-05	50	50		1	Water	269.000	492.000	223.000	74.739	03/01/2017	10:18
15	CCV2			20	1	Water	0.179	58.900	58.721	19.752	03/01/2017	10:22
16	CCB2				1	Water	0.172	0.289	0.117	0.136	03/01/2017	10:26
17	I1933-06	50	50		1	Water	1.910	91.200	89.290	29.984	03/01/2017	10:30
18	I1933-07	50	50		1	Water	2.820	88.400	85.580	28.742	03/01/2017	10:34
19	I1933-08	50	50		1	Water	10.500	105.000	94.500	31.728	03/01/2017	10:38
20	I1933-09	50	50		1	Water	0.180	0.351	0.171	0.154	03/01/2017	10:42
21	I1933-10	50	50		1	Water	1.910	189.000	187.090	62.719	03/01/2017	10:46
22	I1933-11	50	50		1	Water	0.512	1.027	0.515	0.269	03/01/2017	10:50
23	I1933-26	50	50		1	Water	0.532	81.200	80.668	27.098	03/01/2017	10:54
24	I1933-27	50	50		1	Water	0.182	0.365	0.183	0.158	03/01/2017	10:58
25	I1933-28	50	50		1	Water	0.341	81.100	80.759	27.128	03/01/2017	11:02
26	I1933-29	50	50		1	Water	1.420	271.000	269.580	90.330	03/01/2017	11:06
27	CCV3			20	1	Water	0.180	59.600	59.420	19.986	03/01/2017	11:10
28	CCB3				1	Water	0.165	0.259	0.094	0.128	03/01/2017	11:14
29	I1933-30	50	50		1	Water	1.040	31.500	30.460	10.292	03/01/2017	11:18
30	I1933-31	50	50		1	Water	0.967	64.700	63.733	21.429	03/01/2017	11:22
31	I1933-32	50	50		1	Water	0.510	64.900	64.390	21.649	03/01/2017	11:26
32	I1933-32DUP	50	50		1	Water	0.504	64.500	63.996	21.517	03/01/2017	11:30
33	I1933-32MS	50	50	20	1	Water	1.040	112.000	110.960	37.237	03/01/2017	11:35
34	I1933-32MSD	50	50	20	1	Water	1.020	113.000	111.980	37.578	03/01/2017	11:38
35	I1933-33	50	50		1	Water	10.400	128.000	117.600	39.460	03/01/2017	11:42
36	I1934-01	50	50		1	Water	0.528	193.000	192.472	64.521	03/01/2017	11:46
37	I1934-02	50	50		1	Water	1.770	131.000	129.230	43.352	03/01/2017	11:50
38	I1934-03	50	50		1	Water	1.590	138.000	136.410	45.756	03/01/2017	11:54
39	CCV4			20	1	Water	0.179	58.900	58.721	19.752	03/01/2017	11:58
40	CCB4				1	Water	0.170	0.286	0.116	0.136	03/01/2017	12:02

41	I1934-04	50	50		1	Water	1.040	129.000	127.960	42.927	03/01/2017	12:06
42	I1934-05	50	50		1	Water	1.970	125.000	123.030	41.277	03/01/2017	12:10
43	I1933-01				2	Water	3.700	71.900	68.200	22.925	03/01/2017	12:30
44	I1933-02MS			20	2	Water	1.240	67.700	66.460	22.342	03/01/2017	12:34
45	I1933-02MSD			20	2	Water	1.220	67.600	66.380	22.315	03/01/2017	12:38
46	I1933-03				5	Water	4.280	62.200	57.920	19.484	03/01/2017	12:42
47	I1933-05				5	Water	28.900	48.900	20.000	6.791	03/01/2017	12:46
48	I1933-10				2	Water	0.947	93.200	92.253	30.976	03/01/2017	12:50
49	I1933-29				5	Water	0.250	63.900	63.650	21.402	03/01/2017	12:54
50	I1934-01				2	Water	0.230	101.000	100.770	33.826	03/01/2017	12:58
51	CCV5			20	1	Water	0.184	59.100	58.916	19.817	03/01/2017	13:02
52	CCB5				1	Water	0.176	0.312	0.136	0.142	03/01/2017	13:06
53	I1934-02				2	Water	0.855	72.900	72.045	24.212	03/01/2017	13:10
54	I1934-03				2	Water	0.760	69.600	68.840	23.139	03/01/2017	13:14
55	I1934-04				2	Water	0.518	64.900	64.382	21.647	03/01/2017	13:18
56	I1934-05				2	Water	0.691	64.500	63.809	21.455	03/01/2017	13:22
57	CCV6			20	1	Water	0.190	58.600	58.410	19.648	03/01/2017	13:26
58	CCB6				1	Water	0.170	0.298	0.128	0.140	03/01/2017	13:30

WORKLIST(Hardcopy Internal Chain)

1386067

WorkList Name : SO4022317

WorkList ID : 95879

Date : 2/23/2017 8:54:33 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
	Water	I1933-01	Sulfate	Cool 4 deg C	WEST04	I33	MW9-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-02	Sulfate	Cool 4 deg C	WEST04	I33	MW1-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-03	Sulfate	Cool 4 deg C	WEST04	I33	MW6-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-04	Sulfate	Cool 4 deg C	WEST04	I33	MWP4-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-05	Sulfate	Cool 4 deg C	WEST04	I33	MWP2-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-06	Sulfate	Cool 4 deg C	WEST04	I33	MW8M-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-33	Sulfate	Cool 4 deg C	WEST04	I33	MW10D-052-1	02/22/2017	SM 4500-SO4E
	Water	I1934-01	Sulfate	Cool 4 deg C	WEST04	I23	I01I-052-1	02/21/2017	SM 4500-SO4E
	Water	I1934-02	Sulfate	Cool 4 deg C	WEST04	I23	I03I-052-1	02/21/2017	SM 4500-SO4E
	Water	I1934-03	Sulfate	Cool 4 deg C	WEST04	I23	I04I-052-1	02/21/2017	SM 4500-SO4E
	Water	I1934-04	Sulfate	Cool 4 deg C	WEST04	I23	I05I-052-1	02/21/2017	SM 4500-SO4E
	Water	I1934-05	Sulfate	Cool 4 deg C	WEST04	I23	I06I-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-27	Sulfate	Cool 4 deg C	WEST04	I33	MW2S-052-3	02/22/2017	SM 4500-SO4E
	Water	I1933-28	Sulfate	Cool 4 deg C	WEST04	I33	MW11M-052-1	02/22/2017	SM 4500-SO4E
	Water	I1933-29	Sulfate	Cool 4 deg C	WEST04	I33	MW11D-052-1	02/22/2017	SM 4500-SO4E
	Water	I1933-30	Sulfate	Cool 4 deg C	WEST04	I33	MW2S-052-1	02/22/2017	SM 4500-SO4E
	Water	I1933-31	Sulfate	Cool 4 deg C	WEST04	I33	MW10M-052-1	02/22/2017	SM 4500-SO4E
	Water	I1933-32	Sulfate	Cool 4 deg C	WEST04	I33	MW10M-052-2	02/22/2017	SM 4500-SO4E
	Water	I1933-07	Sulfate	Cool 4 deg C	WEST04	I33	MW8M-052-2	02/21/2017	SM 4500-SO4E
	Water	I1933-08	Sulfate	Cool 4 deg C	WEST04	I33	MW8D-052-1	02/21/2017	SM 4500-SO4E
	Water	I1933-09	Sulfate	Cool 4 deg C	WEST04	I33	MW4D-052-3	02/21/2017	SM 4500-SO4E

Date/Time 03-01-17 8:40

Received by: AK

Relinquished by: GR

Date/Time 03-01-17 13:30

Received by: GR

Relinquished by: AK

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SO4022317

WorkList ID : 95879

Date : 2/23/2017 8:54:33 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
	Water	I1933-10	Sulfate	Cool 4 deg C	WEST04	I33	MW4S-052-1	02/21/2017	SM 4500-SO4B
	Water	I1933-11	Sulfate	Cool 4 deg C	WEST04	I33	MW4D-052-1	02/21/2017	SM 4500-SO4B
	Water	I1933-26	Sulfate	Cool 4 deg C	WEST04	I33	MW4M-052-1	02/22/2017	SM 4500-SO4B

Date/Time 03-01-17 8:40

Received by: AK

Relinquished by: JR

Date/Time 03-1-17 13:30

Received by: JR

Relinquished by: AK