

Analytical Summary Report

Analysis Method: SM 4500-SO4E

ANALYST: AMANDEEP

Parameter: Dissolved Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB89458

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP57156
Sulfate LCS std, 20ppm	WP57157
sulfate 0.0ppm	WP57154
sulfate 5ppm	WP57146
sulfate 10ppm	WP57147
sulfate 20ppm	WP57149
sulfate 30ppm	WP57151
sulfate 40ppm	WP57153
sulfate CCV 20ppm	WP57155
Sulfate Buffer solution A	WP53730
Sulfate std, 15ppm	WP57148
Sulfate std, 35ppm	WP57152
Sulfate std, 25ppm	WP57150

Intercept: -0.1975

Slope: 2.9897

Regression: 0.999884

Seq	Lab ID	True Val (mg/l)	DF	MATRIX	Initial Reading	Final Reading	Difference	AnalDate	Anal Time
1	CAL1	0	1	Water	0.180	0.290	0.110	08/11/2017	10:11
2	CAL2	5	1	Water	0.160	14.300	14.140	08/11/2017	10:18
3	CAL3	10	1	Water	0.156	30.200	30.044	08/11/2017	10:25
4	CAL4	15	1	Water	0.159	43.900	43.741	08/11/2017	10:36
5	CAL5	20	1	Water	0.178	60.900	60.722	08/11/2017	10:43
6	CAL6	25	1	Water	0.170	74.400	74.230	08/11/2017	10:48
7	CAL7	30	1	Water	0.179	89.900	89.721	08/11/2017	10:56
8	CAL8	35	1	Water	0.186	104.900	104.714	08/11/2017	11:05
9	CAL9	40	1	Water	0.154	119.100	118.946	08/11/2017	11:13



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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	0.184	56.900	56.716	19.037	08/11/2017	11:19
2	ICB				1	Water	0.150	0.249	0.099	0.099	08/11/2017	11:25
3	CCV1			20	1	Water	0.169	60.100	59.931	20.112	08/14/2017	09:04
4	CCB1				1	Water	0.135	0.246	0.111	0.103	08/14/2017	09:10
5	LB89458BL	50	50		1	Water	0.148	0.249	0.101	0.100	08/14/2017	09:18
6	LB89458BS	50	50	20	1	Water	0.149	55.100	54.951	18.446	08/14/2017	09:25
7	I4665-12	50	50		1	Water	0.360	150.000	149.640	50.118	08/14/2017	09:37
8	I4665-13	50	50		1	Water	0.446	97.900	97.454	32.663	08/14/2017	09:45
9	CCV2			20	1	Water	0.168	58.700	58.532	19.644	08/14/2017	09:53
10	CCB2				1	Water	0.150	0.260	0.110	0.103	08/14/2017	09:59
11	I4665-14	50	50		1	Water	0.632	0.754	0.122	0.107	08/14/2017	10:06
12	I4665-15	50	50		1	Water	0.457	219.000	218.543	73.165	08/14/2017	10:13
13	I4665-16	50	50		1	Water	0.600	80.500	79.900	26.791	08/14/2017	10:18
14	I4665-17	50	50		1	Water	0.420	227.000	226.580	75.853	08/14/2017	10:25
15	CCV3			20	1	Water	0.160	58.700	58.540	19.647	08/14/2017	10:13
16	CCB3				1	Water	0.141	0.239	0.098	0.099	08/14/2017	10:45
17	I4665-18	50	50		1	Water	0.121	0.252	0.131	0.110	08/14/2017	10:53
18	I4665-19	50	50		1	Water	0.497	63.200	62.703	21.039	08/14/2017	11:00
19	I4665-20	50	50		1	Water	0.350	61.200	60.850	20.419	08/14/2017	11:08
20	I4665-21	50	50		1	Water	0.523	112.000	111.477	37.353	08/14/2017	11:12
21	CCV4			20	1	Water	0.149	59.200	59.051	19.818	08/14/2017	11:20
22	CCB4				1	Water	0.119	0.229	0.110	0.103	08/14/2017	11:28
23	I4665-22	50	50		1	Water	2.100	60.800	58.700	19.700	08/14/2017	11:36
24	I4665-22DUP	50	50		1	Water	2.090	60.900	58.810	19.737	08/14/2017	11:42
25	I4665-22MS	50	50	20	1	Water	2.050	107.000	104.950	35.170	08/14/2017	11:50
26	I4665-22MSD	50	50	20	1	Water	2.040	106.000	103.960	34.839	08/14/2017	11:58
27	CCV5			20	1	Water	0.160	59.200	59.040	19.814	08/14/2017	12:05
28	CCB5				1	Water	0.140	0.250	0.110	0.103	08/14/2017	12:14
29	I4665-33	50	50		1	Water	0.531	78.400	77.869	26.112	08/14/2017	12:20
30	I4665-34	50	50		1	Water	0.168	0.450	0.282	0.160	08/14/2017	12:28
31	I4665-35	50	50		1	Water	0.867	173.000	172.133	57.641	08/14/2017	12:35
32	I4665-36	50	50		1	Water	4.170	126.000	121.830	40.816	08/14/2017	12:42
33	CCV6			20	1	Water	0.150	58.600	58.450	19.617	08/14/2017	12:50
34	CCB6				1	Water	0.160	0.248	0.088	0.095	08/14/2017	12:58
35	I4665-37	50	50		1	Water	0.409	73.600	73.191	24.547	08/14/2017	13:06
36	I4665-38	50	50		1	Water	2.890	76.200	73.310	24.587	08/14/2017	13:12
37	I4665-39	50	50		1	Water	1.420	79.900	78.480	26.316	08/14/2017	13:18
38	I4665-40	50	50		1	Water	1.710	85.200	83.490	27.992	08/14/2017	13:26
39	I4665-12				2	Water	0.251	82.300	82.049	27.510	08/14/2017	13:32
40	I4665-15				2	Water	0.250	106.000	105.750	35.438	08/14/2017	13:40

41	I4665-17				2	Water	0.199	107.000	106.801	35.789	08/14/2017	13:48
42	I4665-35				2	Water	0.440	66.800	66.360	22.262	08/14/2017	13:55
43	I4665-36				2	Water	1.369	55.700	54.331	18.239	08/14/2017	14:02
44	CCV7			20	1	Water	0.169	59.100	58.931	19.777	08/14/2017	14:10
45	CCB7				1	Water	0.120	0.251	0.131	0.110	08/14/2017	14:18

WORKLIST(Hardcopy Internal Chain)

WorkList Name : DSO4081117

WorkList ID : 101783

Date : 8/11/2017 9:19:59 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
	Water	I4665-12	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW9-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-13	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW1-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-14	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW4D-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-15	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW4S-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-16	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW11M-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-17	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW11D-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-40	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW8M-054-2	08/08/2017	SM 4500-SO4E
	Water	I4665-34	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW6-054-3	08/08/2017	SM 4500-SO4E
	Water	I4665-35	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW6-054-1	08/08/2017	SM 4500-SO4E
	Water	I4665-36	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MWP2-054-1	08/08/2017	SM 4500-SO4E
	Water	I4665-37	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MWP4-054-1	08/08/2017	SM 4500-SO4E
	Water	I4665-38	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW8D-054-1	08/08/2017	SM 4500-SO4E
	Water	I4665-39	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW8M-054-1	08/08/2017	SM 4500-SO4E
	Water	I4665-18	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW2S-054-3	08/07/2017	SM 4500-SO4E
	Water	I4665-19	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW10M-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-20	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW10M-054-2	08/07/2017	SM 4500-SO4E
	Water	I4665-21	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW10D-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-22	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW2S-054-1	08/07/2017	SM 4500-SO4E
	Water	I4665-33	Dissolved Sulfate	Cool 4 deg C	WEST04	L41	MW4M-054-1	08/08/2017	SM 4500-SO4E

Date/Time 8/14/17 9:10
 Received by: AR
 Relinquished by: AR

Date/Time 8/14/17 18:10
 Received by: AR
 Relinquished by: AR