

Analytical Summary Report

Analysis Method: SM4500-SO4 E

ANALYST: AMANDEEP

Parameter: Dissolved Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB93683

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP62470
Sulfate LCS std, 20ppm	WP62471
sulfate 0.0ppm	WP62460
sulfate 5ppm	WP62461
sulfate 10ppm	WP62462
sulfate 20ppm	WP62464
sulfate 30ppm	WP62466
sulfate 40ppm	WP62468
sulfate CCV 20ppm	WP62469
Sulfate Buffer solution A	WP59978
Sulfate std, 15ppm	WP62463
Sulfate std, 35ppm	WP62467
Sulfate std, 25ppm	WP62465
BARIUM CHLORIDE DIHYDRATE ACS 100G	W2210

Intercept: -0.0877

Slope: 2.9845

Regression: 0.999898

Seq	Lab ID	True Val (mg/l)	DF	MATRIX	Initial Reading	Final Reading	Difference	AnalDate	Anal Time
1	CAL1	0	1	Water	0.156	0.299	0.143	03/05/2018	09:06
2	CAL2	5	1	Water	0.147	14.900	14.753	03/05/2018	09:12
3	CAL3	10	1	Water	0.160	30.100	29.940	03/05/2018	09:19
4	CAL4	15	1	Water	0.156	43.800	43.644	03/05/2018	09:25
5	CAL5	20	1	Water	0.176	60.700	60.524	03/05/2018	09:32
6	CAL6	25	1	Water	0.169	74.500	74.331	03/05/2018	09:39
7	CAL7	30	1	Water	0.180	89.800	89.620	03/05/2018	09:45
8	CAL8	35	1	Water	0.185	103.900	103.715	03/05/2018	09:52
9	CAL9	40	1	Water	0.155	119.900	119.745	03/05/2018	09:59



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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	0.168	58.600	58.432	19.608	03/05/2018	10:05
2	ICB				1	Water	0.169	0.296	0.127	0.072	03/05/2018	10:13
3	CCV1			20	1	Water	0.185	59.800	59.615	20.004	03/05/2018	14:00
4	CCB1				1	Water	0.160	0.256	0.096	0.062	03/05/2018	14:06
5	LB93683BL	50	50		1	Water	0.160	0.301	0.141	0.077	03/05/2018	14:13
6	LB93683BS	50	50	20	1	Water	0.171	58.900	58.729	19.707	03/05/2018	14:18
7	J1665-11	50	50		1	Water	0.787	166.000	165.213	55.386	03/05/2018	14:25
8	J1665-11DUP	50	50		1	Water	0.785	164.000	163.215	54.717	03/05/2018	14:32
9	CCV2			20	1	Water	0.152	58.700	58.548	19.647	03/05/2018	14:38
10	CCB2				1	Water	0.159	0.252	0.093	0.061	03/05/2018	14:43
11	J1665-11MS	50	50	20	1	Water	0.324	258.000	257.676	86.367	03/05/2018	14:49
12	J1665-11MSD	50	50	20	1	Water	0.320	252.000	251.680	84.358	03/05/2018	14:55
13	J1665-12	50	50		1	Water	0.370	28.200	27.830	9.354	03/05/2018	15:01
14	J1665-13	50	50		1	Water	0.998	65.400	64.402	21.608	03/05/2018	15:06
15	CCV3			20	1	Water	0.169	59.200	59.031	19.809	03/05/2018	15:12
16	CCB3				1	Water	0.180	0.305	0.125	0.071	03/05/2018	15:16
17	J1665-14	50	50		1	Water	0.882	54.400	53.518	17.961	03/05/2018	15:22
18	J1665-15	50	50		1	Water	0.872	97.800	96.928	32.507	03/05/2018	15:29
19	J1665-16	50	50		1	Water	0.174	0.309	0.135	0.075	03/05/2018	15:35
20	J1665-17	50	50		1	Water	4.110	70.600	66.490	22.308	03/05/2018	15:42
21	CCV4			20	1	Water	0.189	58.900	58.711	19.701	03/05/2018	15:48
22	CCB4				1	Water	0.173	0.276	0.103	0.064	03/05/2018	15:54
23	J1665-18	50	50		1	Water	0.523	224.000	223.477	74.909	03/05/2018	15:59
24	J1665-19	50	50		1	Water	0.959	289.000	288.041	96.542	03/05/2018	16:04
25	J1665-20	50	50		1	Water	0.429	0.528	0.099	0.063	03/05/2018	16:10
26	J1681-10	50	50		1	Water	0.267	109.000	108.733	36.462	03/05/2018	16:16
27	CCV5			20	1	Water	0.196	59.700	59.504	19.967	03/05/2018	16:21
28	CCB5				1	Water	0.156	0.296	0.140	0.076	03/05/2018	16:27
29	J1681-10DUP	50	50		1	Water	0.260	110.000	109.740	36.799	03/05/2018	16:32
30	J1681-11	50	50		1	Water	0.149	0.298	0.149	0.079	03/05/2018	16:38
31	J1681-12	50	50		1	Water	0.312	239.000	238.688	80.005	03/05/2018	16:45
32	J1681-13	50	50		1	Water	0.456	117.000	116.544	39.079	03/05/2018	16:52
33	CCV6			20	1	Water	0.178	58.600	58.422	19.605	03/05/2018	16:58
34	CCB6				1	Water	0.159	0.259	0.100	0.063	03/05/2018	17:05
35	J1681-14	50	50		1	Water	0.242	44.700	44.458	14.926	03/05/2018	17:12
36	J1681-15	50	50		1	Water	0.345	71.600	71.255	23.904	03/05/2018	17:18
37	J1681-16	50	50		1	Water	0.615	79.200	78.585	26.360	03/05/2018	17:25
38	J1681-17	50	50		1	Water	2.690	145.000	142.310	47.712	03/05/2018	17:32
39	CCV7			20	1	Water	0.169	59.800	59.631	20.010	03/05/2018	17:38
40	CCB7				1	Water	0.196	0.356	0.160	0.083	03/05/2018	17:45

41	J1681-18	50	50		1	Water	0.296	66.900	66.604	22.346	03/05/2018	17:50
42	J1665-11				2	Water	0.285	75.100	74.815	25.097	03/05/2018	17:55
43	J1665-11DUP				2	Water	0.289	75.900	75.611	25.364	03/05/2018	18:00
44	J1665-11MS			20	2	Water	0.639	93.900	93.261	31.278	03/05/2018	18:10
45	J1665-11MSD			20	2	Water	0.620	95.600	94.980	31.854	03/05/2018	18:16
46	J1665-18				2	Water	0.315	109.000	108.685	36.446	03/05/2018	18:22
47	J1665-19				5	Water	0.514	59.500	58.986	19.793	03/05/2018	18:29
48	J1681-12				5	Water	0.240	45.700	45.460	15.261	03/05/2018	18:35
49	J1681-17				2	Water	1.490	63.100	61.610	20.673	03/05/2018	18:42
50	CCV8			20	1	Water	0.178	60.100	59.922	20.107	03/05/2018	18:46
51	CCB8				1	Water	0.186	0.293	0.107	0.065	03/05/2018	18:52

WORKLIST(Hardcopy Internal Chain)

WorkList Name : DSO4022318

WorkList ID : 108906

Date : 2/23/2018 2:23:01 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/08/2018	Water	J1665-11	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW9-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-12	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW2S-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-13	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW10M-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-14	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW10M-056-2	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-15	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW10D-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-16	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW11M-056-3	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-17	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW11M-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-18	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW11D-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-19	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW4S-056-1	02/22/2018	SM4500-SO4 E
03/08/2018	Water	J1665-20	Dissolved Sulfate	Cool 4 deg C	WEST04	E11	MW4D-056-1	02/22/2018	SM4500-SO4 E
03/09/2018	Water	J1681-10	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW1-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-11	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW6-056-3	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-12	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW6-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-13	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW8D-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-14	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MWP4-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-15	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW8M-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-16	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW8M-056-2	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-17	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MWP2-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1681-18	Dissolved Sulfate	Cool 4 deg C	WEST04	E41	MW4M-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1682-06	Dissolved Sulfate	Cool 4 deg C	WEST04	D61	I011-056-1	02/23/2018	SM4500-SO4 E
03/09/2018	Water	J1682-07	Dissolved Sulfate	Cool 4 deg C	WEST04	D61	I031-056-1	02/23/2018	SM4500-SO4 E

Date/Time 3-5-18 13:00

Received by: AK

Relinquished by: CR

Date/Time 3-5-18 19:00

Received by: CR

Relinquished by: AK