

Analytical Summary ReportAnalysis Method: SM 4500-SO4EANALYST: AMANDEEPParameter: SulfateSUPERVISOR REVIEW BY: apatelRun Number: LB91781

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP59871
Sulfate LCS std, 20ppm	WP59872
sulfate 0.0ppm	WP59861
sulfate 5ppm	WP59862
sulfate 10ppm	WP59863
sulfate 20ppm	WP59865
sulfate 30ppm	WP59867
sulfate 40ppm	WP59869
sulfate CCV 20ppm	WP59870
Sulfate Buffer solution A	WP58475
Sulfate std, 15ppm	WP59864
Sulfate std, 25ppm	WP59866
Sulfate std, 35ppm	WP59868
BARIUM CHLORIDE DIHYDRATE ACS 100G	W2210
Sulfate Buffer solution A	WP58475

Intercept: -0.1906Slope: 2.9897Regression: 0.999891

Seq	Lab ID	True Val (mg/l)	DF	MATRIX	Initial Reading	Final Reading	Difference	AnalDate	Anal Time
1	CAL1	0	1	Water	0.169	0.380	0.211	11/22/2017	10:02
2	CAL2	5	1	Water	0.161	14.300	14.139	11/22/2017	10:07
3	CAL3	10	1	Water	0.160	30.200	30.040	11/22/2017	10:14
4	CAL4	15	1	Water	0.179	43.900	43.721	11/22/2017	10:20
5	CAL5	20	1	Water	0.179	60.800	60.621	11/22/2017	10:28
6	CAL6	25	1	Water	0.172	74.400	74.228	11/22/2017	10:35
7	CAL7	30	1	Water	0.180	89.900	89.720	11/22/2017	10:42
8	CAL8	35	1	Water	0.187	104.900	104.713	11/22/2017	10:50
9	CAL9	40	1	Water	0.156	119.200	119.044	11/22/2017	10:58



Analytical Summary Report

Analysis Method: SM 4500-SO4E

ANALYST: AMANDEEP

Parameter: Sulfate

SUPERVISOR REVIEW BY: apatel

Run Number: LB91781

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	0.163	58.400	58.237	19.543	11/22/2017	11:05
2	ICB				1	Water	0.180	0.250	0.070	0.087	11/22/2017	11:11
3	CCV1			20	1	Water	0.179	59.600	59.421	19.939	11/22/2017	11:18
4	CCB1				1	Water	0.166	0.356	0.190	0.127	11/22/2017	11:25
5	LB91781BL	50	50		1	Water	0.168	0.349	0.181	0.124	11/22/2017	11:33
6	LB91781BS	50	50	20	1	Water	0.376	58.900	58.524	19.639	11/22/2017	11:40
7	I6576-01	50	50		1	Water	0.427	85.600	85.173	28.553	11/22/2017	11:47
8	I6576-02	50	50		1	Water	2.100	72.900	70.800	23.745	11/22/2017	11:55
9	CCV2			20	1	Water	0.179	59.100	58.921	19.772	11/22/2017	12:05
10	CCB2				1	Water	0.166	0.347	0.181	0.124	11/22/2017	12:10
11	I6576-03	50	50		1	Water	5.070	270.000	264.930	88.678	11/22/2017	12:17
12	I6576-04	50	50		1	Water	0.650	88.900	88.250	29.582	11/22/2017	12:25
13	I6576-05	50	50		1	Water	0.179	0.318	0.139	0.110	11/22/2017	12:33
14	I6576-06	50	50		1	Water	1.140	92.600	91.460	30.655	11/22/2017	12:40
15	CCV3			20	1	Water	0.177	58.900	58.723	19.706	11/22/2017	12:45
16	CCB3				1	Water	0.180	0.361	0.181	0.124	11/22/2017	12:50
17	I6576-07	50	50		1	Water	1.110	84.300	83.190	27.889	11/22/2017	12:55
18	I6576-08	50	50		1	Water	1.740	66.800	65.060	21.825	11/22/2017	13:02
19	I6576-08DUP	50	50		1	Water	1.730	64.200	62.470	20.959	11/22/2017	13:08
20	I6576-08MS	50	50	20	1	Water	1.280	112.000	110.720	37.098	11/22/2017	13:15
21	CCV4			20	1	Water	0.176	59.200	59.024	19.806	11/22/2017	13:22
22	CCB4				1	Water	0.174	0.320	0.146	0.113	11/22/2017	13:30
23	I6576-08MSD	50	50	20	1	Water	1.270	114.000	112.730	37.770	11/22/2017	13:35
24	I6576-09	50	50		1	Water	264.000	380.000	116.000	38.864	11/22/2017	13:40
25	I6576-10	50	50		1	Water	0.233	235.000	234.767	78.589	11/22/2017	13:46
26	I6576-11	50	50		1	Water	0.778	156.000	155.222	51.983	11/22/2017	13:53
27	CCV5			20	1	Water	0.180	59.700	59.520	19.972	11/22/2017	13:59
28	CCB5				1	Water	0.170	0.298	0.128	0.107	11/22/2017	14:05
29	I6576-12	50	50		1	Water	0.816	144.000	143.184	47.956	11/22/2017	14:13
30	I6576-13	50	50		1	Water	1.060	172.000	170.940	57.240	11/22/2017	14:20
31	I6576-14	50	50		1	Water	1.100	138.000	136.900	45.854	11/22/2017	14:26
32	I6576-03				5	Water	1.050	43.900	42.850	14.396	11/22/2017	14:40
33	I6576-09				5	Water	48.100	70.200	22.100	7.456	11/22/2017	14:48
34	I6576-10				5	Water	0.273	36.500	36.227	12.181	11/22/2017	14:55
35	I6576-11				2	Water	0.534	59.600	59.066	19.820	11/22/2017	15:02
36	I6576-12				2	Water	0.510	44.600	44.090	14.811	11/22/2017	15:08
37	I6576-13				2	Water	0.604	59.900	59.296	19.897	11/22/2017	15:16
38	I6576-14				2	Water	0.438	50.900	50.462	16.942	11/22/2017	15:21
39	CCV6			20	1	Water	0.179	58.900	58.721	19.705	11/22/2017	15:26
40	CCB6				1	Water	0.170	0.310	0.140	0.111	11/22/2017	15:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SO4112217

WorkList ID : 105788

Date : 11/22/2017 9:23:40 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/03/2017	Water	I6576-01-C	Sulfate	Cool 4 deg C	WEST04	M53	MW4M-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-02-C	Sulfate	Cool 4 deg C	WEST04	M53	MW1-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-03-C	Sulfate	Cool 4 deg C	WEST04	M53	MW6-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-04-C	Sulfate	Cool 4 deg C	WEST04	M53	MWP4-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-05-C	Sulfate	Cool 4 deg C	WEST04	M53	MW8D-055-3	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-06-C	Sulfate	Cool 4 deg C	WEST04	M53	MW8M-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-07-C	Sulfate	Cool 4 deg C	WEST04	M53	MW8M-055-2	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-08-C	Sulfate	Cool 4 deg C	WEST04	M53	MW8D-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-09-C	Sulfate	Cool 4 deg C	WEST04	M53	MWP2-055-1	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-10-C	Sulfate	Cool 4 deg C	WEST04	M53	I01I	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-11-C	Sulfate	Cool 4 deg C	WEST04	M53	I04I	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-12-C	Sulfate	Cool 4 deg C	WEST04	M53	I06I	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-13-C	Sulfate	Cool 4 deg C	WEST04	M53	I03I	11/21/2017	SM 4500-SO4E
12/03/2017	Water	I6576-14-C	Sulfate	Cool 4 deg C	WEST04	M53	I05I	11/21/2017	SM 4500-SO4E

Date/Time

Received by:

Relinquished by:

Date/Time

Received by:

Relinquished by: