

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB107500

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibratation STD HexaChrome 1 PPM	WP81728
Calibratation STD Hexa Chrome 0.5 PPM	WP81729
Calibration Std. hexchrome 0.1 ppm	WP81730
Calibration Std. hexchrome 0.05 ppm	WP81731
calibration std. hexchrome 0.01 ppm	WP81732
calibration std. hexchrome 0 ppm	WP81733
Hexavalent Chromium ICV Std.	WP81734
Hexavalent Chromium CCV Std	WP81735
Hexavalent Chromium LCS Std	WP81736
hexavalent chromium color reagent	WP81623
5N sulfuric acid	WP79628
Calibration Std Hexachrome 0.025 ppm	

Intercept: 0.0006

Slope: 0.7514

Regression: 0.999992

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Anal Date	Anal Time
								Backgrnd	Color			
1	CAL1	0	1	100	100		2.04	0.000	0.000	0.000	02/03/2020	13:35
2	CAL2	0.01	1	100	100		2.06	0.000	0.008	0.008	02/03/2020	13:36
3	CAL3	0.025	1	100	100		2.03	0.000	0.019	0.019	02/03/2020	13:37
4	CAL4	0.05	1	100	100		2.04	0.000	0.037	0.037	02/03/2020	13:38
5	CAL5	0.1	1	100	100		2.08	0.000	0.077	0.077	02/03/2020	13:39
6	CAL6	0.5	1	100	100		2.07	0.000	0.378	0.378	02/03/2020	13:40
7	CAL7	1	1	100	100		2.08	0.000	0.751	0.751	02/03/2020	13:41

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Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Result	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		2.02	0.000	0.378	0.378	0.502	02/03/2020	13:42
2	ICB		1	100	100		2.04	0.000	0.000	0.000	-0.001	02/03/2020	13:43
3	CCV1	0.5	1	100	100		2.06	0.000	0.379	0.379	0.504	02/03/2020	13:44
4	CCB1		1	100	100		2.07	0.000	0.000	0.000	-0.001	02/03/2020	13:45
5	PB126548BL		1	2.52	100	7.06	2.05	0.000	0.000	0.000	-0.001	02/03/2020	13:46
6	PB126548BS	20	1	2.50	100	7.04	2.03	0.000	0.362	0.362	0.481	02/03/2020	13:47
7	L1016-15		1	2.53	100	7.09	2.04	0.006	0.007	0.001	0.001	02/03/2020	13:48
8	L1016-15DUP		1	2.52	100	7.08	2.08	0.007	0.008	0.001	0.001	02/03/2020	13:49
9	L1016-15MSPre	40	2	2.51	100	7.07	2.04	0.004	0.137	0.133	0.176	02/03/2020	13:50
10	L1016-15MS2Ins	1284	40	2.53	100	7.05	2.03	0.003	0.654	0.651	0.866	02/03/2020	13:51
11	L1016-15MS3Post	40	2	2.50	100	7.06	2.05	0.004	0.187	0.183	0.243	02/03/2020	13:52
12	L1319-01		1	2.51	100	7.04	2.06	0.010	0.011	0.001	0.001	02/03/2020	13:53
13	L1319-05		1	2.50	100	7.05	2.07	0.046	0.048	0.002	0.002	02/03/2020	13:54
14	L1319-06		1	2.52	100	7.03	2.05	0.012	0.013	0.001	0.001	02/03/2020	13:55
15	CCV2	0.5	1	100	100		2.07	0.000	0.377	0.377	0.501	02/03/2020	13:56
16	CCB2		1	100	100		2.05	0.000	0.000	0.000	-0.001	02/03/2020	13:57
17	L1319-07		1	2.53	100	7.04	2.03	0.008	0.009	0.001	0.001	02/03/2020	13:58
18	L1319-11		1	2.50	100	7.03	2.03	0.011	0.013	0.002	0.002	02/03/2020	13:59
19	L1319-12		1	2.55	100	7.04	2.06	0.003	0.003	0.000	-0.001	02/03/2020	14:02
20	L1319-13		1	2.52	100	7.03	2.06	0.002	0.004	0.002	0.002	02/03/2020	14:03
21	L1319-17		1	2.51	100	7.04	2.04	0.037	0.039	0.002	0.002	02/03/2020	14:04
22	L1319-18		1	2.53	100	7.05	2.05	0.017	0.018	0.001	0.001	02/03/2020	14:05
23	L1343-01		1	2.51	100	7.04	2.03	0.009	0.010	0.001	0.001	02/03/2020	14:06
24	L1347-02		1	2.50	100	7.03	2.08	0.005	0.007	0.002	0.002	02/03/2020	14:07
25	CCV3	0.5	1	100	100		2.03	0.000	0.380	0.380	0.505	02/03/2020	14:08
26	CCB3		1	100	100		2.04	0.000	0.000	0.000	-0.001	02/03/2020	14:09

SOP ID : M3060A,7196A-Hex.Chromium-23

SDG No : N/A

Start Digest Date: 02/03/2020 Time : 11:30 Temp : 92 °C

Matrix : SOIL

End Digest Date: 02/03/2020 Time : 12:30 Temp : 93 °C

Pipette ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#3

Digestion tube ID : w2642

Block Thermometer ID : WC BLOCK-1

Block ID : WC S-1/WC S-2

Filter paper ID : 400147

Prep Technician Signature: KS

Weigh By : KS

pH Meter ID : WC pH Meter-1

Supervisor Signature: 

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	2.52gm	W1957
PRE-DIGESTION SPIKE	2ml	wp81536
INSOLUBLE SPIKE	0.02gm	W2202
POST-DIGESTION SPIKE	2ml	wp81536
LCSS	1.0ML	wp81537

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4gm	W2423
PHOSPHATE BUFFER	0.5ml	WP79257
HEX. DIGESTION SOLN.	50ml	wp81158
5M HNO3	5-7ml	wp80978
5N H2SO4	1-3ml	WP79628
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Received By	Relinquished By	Location
	Analysis Group	Preparation Group	

MIA

Lab Sample ID	Client Sample ID	Initial Weight	Final Weight	pH	Sulfide	Oxidizing	Comment	Prep Pos
L1016-15	SU-02-013120	2.53	100	N/A	N/A	N/A	N/A	WC S-1
L1016-15DUP	SU-02-013120DUP	2.52	100	N/A	N/A	N/A	N/A	WC S-1
L1016-15MSPre	SU-02-013120MSPRE	2.51	100	N/A	N/A	N/A	N/A	WC S-1
L1016-15MS2Ins	SU-02-013120MS2INS	2.53	100	N/A	N/A	N/A	N/A	WC S-1
L1016-15MS3Post	SU-02-013120MS3POST	2.50	100	N/A	N/A	N/A	N/A	WC S-1
L1319-01	RAINEY-PARK-BH-06-C	2.51	100	N/A	N/A	N/A	N/A	WC S-1
L1319-05	RAINEY-PARK-BH-01-A	2.50	100	N/A	N/A	N/A	N/A	WC S-1
L1319-06	RAINEY-PARK-BH-01-B	2.52	100	N/A	N/A	N/A	N/A	WC S-1
L1319-07	RAINEY-PARK-BH-01-C	2.53	100	N/A	N/A	N/A	N/A	WC S-1
L1319-11	RAINEY-PARK-BH-02-A	2.50	100	N/A	N/A	N/A	N/A	WC S-2
L1319-12	RAINEY-PARK-BH-02-B	2.55	100	N/A	N/A	N/A	N/A	WC S-2
L1319-13	RAINEY-PARK-BH-02-C	2.52	100	N/A	N/A	N/A	N/A	WC S-2
L1319-17	RAINEY-PARK-BH-06-A	2.51	100	N/A	N/A	N/A	N/A	WC S-2
L1319-18	RAINEY-PARK-BH-06-B	2.53	100	N/A	N/A	N/A	N/A	WC S-2
L1343-01	NW-SP	2.51	100	N/A	N/A	N/A	N/A	WC S-2
L1347-02	COMP-01	2.50	100	N/A	N/A	N/A	N/A	WC S-2
PB126548BL	PBS548	2.52	100	N/A	N/A	N/A	N/A	WC S-2
PB126548BS	LCS548	2.50	100	N/A	N/A	N/A	N/A	WC S-2