



Analytical Summary Report

Analysis Method: SM2310 B

Reviewed By: AMANDEEP

Parameter: Acidity

Supervisor Review By: apatel

Run Number: LB101719

Constant: 50,000

Normality1 (T1): 0.02

Normality2 (T2): 0.02

pH Meter ID: WC PH METER-1

Reagent/Standard	Lot/Log #
Acidity LCSW -50 ppm	WP73082
SULFURIC ACID, 0.02N, 4L	W2269
0.02N NaOH FOR ACIDITY	WP73081
Hydrogen Peroxide, 30% 1 gal	M4278

Seq	LabID	ClientID	TV (mg/L)	DL	Sample Vol (mL)	Residual Chlorine	Initial pH	T1 (mL)	Adj pH	T2 (mL)	End Point pH	Result (mg/L)	Anal Date	Anal Time
1	LB101719BL	LB101719BL		1	50.00	NEGATIVE	5.39	5.00	2.77	5.20	8.29	4.00	03/28/2019	11:40
2	LB101719BS	LB101719BS	-50	1	50.00	NEGATIVE	9.90	5.00	2.96	2.80	8.22	-44.00	03/28/2019	11:56
3	K1833-29	PT-ACD-WP		1	50.00	NEGATIVE	3.92	0.00	3.92	78.60	8.27	1,572.0	03/28/2019	12:13

T1 = Titrant1 (H2SO4)

T2 = Titrant2 (NaOH)

Result = ((T2 * Normality2) - (T1 * Normality1)) * Constant / Sample Vol

WORKLIST(Hardcopy Internal Chain)

WorkList Name : K1833 Wet PT

WorkList ID : 123198

Date : 03-08-2019 15:17:26

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/05/2019	Water	K1833-01	✓ Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Office	PT-CR6-WP	03/04/2019	7196A
03/05/2019	Water	K1833-02	✓ Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Office	PT-CR6-WP	03/04/2019	SM3500-Cr B
03/06/2019	Water	K1833-03	✓ BOD5	Cool 4 deg C	CHEM02	QA Office	PT-DEM-WP	03/04/2019	SM5210 B
03/06/2019	Water	K1833-03	✓ CBOD5	Cool 4 deg C	CHEM02	QA Office	PT-DEM-WP	03/04/2019	SM5210 B
03/19/2019	Water	K1833-03	✓ COD	Conc H2SO4 to	CHEM02	QA Office	PT-DEM-WP	03/04/2019	SM5220 D
03/19/2019	Water	K1833-03	✓ TOC	Conc H2SO4 to	CHEM02	QA Office	PT-DEM-WP	03/04/2019	SM5310B
03/19/2019	Water	K1833-04	✓ TOC	Conc H2SO4 to	CHEM02	QA Office	PT-DEM-WP	03/04/2019	9060A
03/18/2019	Water	K1833-05	✓ Alkalinity	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	SM2320 B
03/06/2019	Water	K1833-05	✓ Anions Group1	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	300.0
03/19/2019	Water	K1833-05	✓ Chloride	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	SM4500-CL C
03/19/2019	Water	K1833-05	✓ Sulfate	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	SM 4500-SO4
03/06/2019	Water	K1833-06	✓ Anions Group1	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	9056A
03/19/2019	Water	K1833-06	✓ Sulfate	Cool 4 deg C	CHEM02	QA Office	PT-MIN1-WP	03/04/2019	9038
03/19/2019	Water	K1833-07	✓ Conductance	Cool 4 deg C	CHEM02	QA Office	PT-COND-WP	03/04/2019	SM2510 B
03/19/2019	Water	K1833-08	✓ Conductance	Cool 4 deg C	CHEM02	QA Office	PT-COND-WP	03/04/2019	120.1
03/19/2019	Water	K1833-09	✓ Conductance	Cool 4 deg C	CHEM02	QA Office	PT-COND-WP	03/04/2019	9050A
03/11/2019	Water	K1833-10	✓ TDS	Cool 4 deg C	CHEM02	QA Office	PT-SOL-WP	03/04/2019	SM2540 C
03/11/2019	Water	K1833-10	✓ TS	Cool 4 deg C	CHEM02	QA Office	PT-SOL-WP	03/04/2019	SM2540 B
03/11/2019	Water	K1833-10	✓ TSS	Cool 4 deg C	CHEM02	QA Office	PT-SOL-WP	03/04/2019	SM2540 D
03/19/2019	Water	K1833-11	✓ Ammonia	Conc H2SO4 to	CHEM02	QA Office	PT-NUT1-WP	03/04/2019	SM4500-NH3
03/06/2019	Water	K1833-11	✓ Anions Group2	Cool 4 deg C	CHEM02	QA Office	PT-NUT1-WP	03/04/2019	300.0

Date/Time : 3/1/19 9:00 AM

Received by: WA

Relinquished by: WA

Date/Time : 3/1/19 9:00 AM

Received by: WA

Relinquished by: WA

WORKLIST(Hardcopy Internal Chain)

WorkList Name : K1833 Wet PT

WorkList ID : 123198

Date : 03-08-2019 15:17:26

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/06/2019	Water	✓ K1833-12	✓ Anions Group2	Cool 4 deg C	CHEM02	QA Office	PT-NUT1-WP	03/04/2019	9056A
03/06/2019	Water	✓ K1833-12	✓ Phosphorus-Ortho	Cool 4 deg C	CHEM02	QA Office	PT-NUT1-WP	03/04/2019	SM4500-P E
03/19/2019	Water	✓ K1833-13	✓ Phosphorus-Total	Conc H2SO4 to	CHEM02	QA Office	PT-NUT2-WP	03/04/2019	365.3
03/19/2019	Water	✓ K1833-13	✓ TKN	Conc H2SO4 to	CHEM02	QA Office	PT-NUT2-WP	03/04/2019	SM4500 N Org
03/06/2019	Water	✓ K1833-14	✓ Nitrite	Cool 4 deg C	CHEM02	QA Office	PT-NUT3-WP	03/04/2019	SM4500-NO2
03/06/2019	Water	✓ K1833-15	✓ Anions Group4	Cool 4 deg C	CHEM02	QA Office	PT-NUT3-WP	03/04/2019	300.0
03/06/2019	Water	✓ K1833-16	✓ Anions Group5	Cool 4 deg C	CHEM02	QA Office	PT-NUT3-WP	03/04/2019	9056A
03/19/2019	Water	✓ K1833-17	✓ Oil and Grease	Conc H2SO4 to	CHEM02	QA Office	PT-OGR1L-WP	03/04/2019	1664A
03/11/2019	Water	✓ K1833-18	✓ TPH	Conc H2SO4 to	CHEM02	QA Office	RR-TPH1L-WP	03/04/2019	1664A
03/04/2019	Water	✓ K1833-19	✓ Residual Chlorine	Cool 4 deg C	CHEM02	QA Office	PT-CL-WP	03/04/2019	SM4500 CI G
03/04/2019	Water	✓ K1833-20	✓ pH	Cool 4 deg C	CHEM02	QA Office	PT-PH-WP	03/04/2019	SM 4500-H B
03/04/2019	Water	✓ K1833-21	✓ pH	Cool 4 deg C	CHEM02	QA Office	PT-PH-WP	03/04/2019	9040C
03/04/2019	Water	✓ K1833-22	✓ pH	Cool 4 deg C	CHEM02	QA Office	PT-PH-WP	03/04/2019	9041A
03/18/2019	Water	✓ K1833-23	✓ Cyanide	10 N NaOH to I	CHEM02	QA Office	PT-CN-WP	03/04/2019	SM4500-CN C
03/18/2019	Water	✓ K1833-24	✓ Cyanide	10 N NaOH to I	CHEM02	QA Office	PT-CN-WP	03/04/2019	9012B
03/18/2019	Water	✓ K1833-25	✓ Cyanide	10 N NaOH to I	CHEM02	QA Office	PT-CN-WP	03/04/2019	9014
03/19/2019	Water	✓ K1833-26	✓ Phenolics	Conc H2SO4 to	CHEM02	QA Office	PT-PHEN-WP	03/04/2019	9065
03/19/2019	Water	✓ K1833-27	✓ Phenolics	Conc H2SO4 to	CHEM02	QA Office	PT-PHEN-WP	03/04/2019	420.1
03/18/2019	Water	✓ K1833-28	✓ Acidity	Cool 4 deg C	CHEM02	QA Office	PT-ACD-WP	03/04/2019	ASTM D1067-
03/18/2019	Water	✓ K1833-29	✓ Acidity	Cool 4 deg C	CHEM02	QA Office	PT-ACD-WP	03/04/2019	SM2310 B
03/06/2019	Water	✓ K1833-30	✓ MBAS	Cool 4 deg C	CHEM02	QA Office	PT-MBAS-WP	03/04/2019	SM5540 C

Date/Time 3/11/19 9:10 AM

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Date/Time 6/2/19 11:00 AM
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WORKLIST(Hardcopy Internal Chain)

WorkList Name : K1833 Wet PT

WorkList ID : 123198

Date : 03-08-2019 15:17:26

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/06/2019	Water	K1833-31	Color	Cool 4 deg C	CHEM02	QA Office	PT-COL-WP	03/04/2019	SM2120 B
03/11/2019	Water	K1833-32	Sulfide	Zinc acetate an	CHEM02	QA Office	PT-S2-WP	03/04/2019	SM4500 S E
03/11/2019	Water	K1833-33	Sulfide	Zinc acetate an	CHEM02	QA Office	PT-S2-WP	03/04/2019	9034
03/06/2019	Water	K1833-34	Settleable Solids	Cool 4 deg C	CHEM02	QA Office	PT-SSOL-WP	03/04/2019	SM2540 F
03/11/2019	Water	K1833-35	TVS	Cool 4 deg C	CHEM02	QA Office	PT-VSOL-WP	03/04/2019	SM2540 G
03/11/2019	Water	K1833-36	TVS	Cool 4 deg C	CHEM02	QA Office	PT-VSOL-WP	03/04/2019	160.4
03/06/2019	Water	K1833-37	Turbidity	Cool 4 deg C	CHEM02	QA Office	PT-TURB-WP	03/04/2019	SM2130 B
03/06/2019	Water	K1833-38	Turbidity	Cool 4 deg C	CHEM02	QA Office	PT-TURB-WP	03/04/2019	180.1

AS K1833-14 NO2 → PH-5.28 at 17.3 temp. (wc-PH meter-1)

03/11/2019

Date/Time 3/11/19 9:00 AM

Received by: MAF

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Date/Time 4/2/19 4:00 PM

Received by: MAF

Relinquished by: MAF