



## Analytical Summary Report

Analysis Method: 9045C

Analyst By : JIGNESH

Parameter: pH

Supervisor Review By : apatel

Run Number: LB87064

Temp.: 22.4 °C

BalanceID: WC SC-4

SLOPE.: 98.6

| Calibration Standards          | Chemtech Log# |
|--------------------------------|---------------|
| PH 4 BUFFER SOLUTION           | W2183         |
| buffer solution pH 7 yellow    | W2159         |
| PH 10.01 BUFFER,COLOR CD 475ML | W2154         |
| BUFFER PH 7.00 GREEN 1PINT PK6 | W2140         |
| pH 2.00 Buffer                 | W2079         |
| Buffer Solution, PH12 (500ml)  | W2099         |

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.01 Control Limits[+/- 0.1].

True Value of CCV2 = 12.01 Control Limits[+/- 0.1].

True Value of CCV3 = 12.01 Control Limits[+/- 0.1].

| Seq | LabID       | DF | Matrix | Weight (gm) | Volume (ml) | Result (pH) | Anal Date  | Anal Time |
|-----|-------------|----|--------|-------------|-------------|-------------|------------|-----------|
| 1   | CAL1        | 1  | Water  |             |             | 4.01        | 04/26/2017 | 09:50     |
| 2   | CAL2        | 1  | Water  |             |             | 7.00        | 04/26/2017 | 09:51     |
| 3   | CAL3        | 1  | Water  |             |             | 10.03       | 04/26/2017 | 09:52     |
| 4   | ICV         | 1  | Water  |             |             | 6.99        | 04/26/2017 | 09:53     |
| 5   | CCV1        | 1  | Water  |             |             | 2.01        | 04/26/2017 | 09:54     |
| 6   | I2854-01    | 1  | Solid  | 20.03       | 20          | 7.95        | 04/26/2017 | 10:00     |
| 7   | I2854-01DUP | 1  | Solid  | 20.04       | 20          | 7.96        | 04/26/2017 | 10:01     |
| 8   | I2854-02    | 1  | Solid  | 20.01       | 20          | 8.59        | 04/26/2017 | 10:02     |
| 9   | I2854-03    | 1  | Solid  | 20.05       | 20          | 6.67        | 04/26/2017 | 10:03     |
| 10  | I2854-04    | 1  | Solid  | 20.03       | 20          | 6.29        | 04/26/2017 | 10:05     |
| 11  | I2854-05    | 1  | Solid  | 20.04       | 20          | 6.29        | 04/26/2017 | 10:06     |
| 12  | I2854-06    | 1  | Solid  | 20.00       | 20          | 6.49        | 04/26/2017 | 10:07     |
| 13  | I2854-07    | 1  | Solid  | 20.02       | 20          | 6.32        | 04/26/2017 | 10:09     |
| 14  | I2854-08    | 1  | Solid  | 20.03       | 20          | 6.30        | 04/26/2017 | 10:10     |
| 15  | I2854-09    | 1  | Solid  | 20.05       | 20          | 6.37        | 04/26/2017 | 10:11     |
| 16  | CCV2        | 1  | Water  |             |             | 12.02       | 04/26/2017 | 10:12     |
| 17  | I2854-10    | 1  | Solid  | 20.03       | 20          | 6.19        | 04/26/2017 | 10:13     |
| 18  | I2854-11    | 1  | Solid  | 20.02       | 20          | 6.38        | 04/26/2017 | 10:15     |
| 19  | I2854-12    | 1  | Solid  | 20.01       | 20          | 6.18        | 04/26/2017 | 10:16     |
| 20  | I2854-13    | 1  | Solid  | 20.03       | 20          | 6.24        | 04/26/2017 | 10:17     |

| Seq | LabID    | DF | Matrix | Weight<br>(gm) | Volume<br>(ml) | Result<br>(pH) | Anal Date  | Anal Time |
|-----|----------|----|--------|----------------|----------------|----------------|------------|-----------|
| 21  | I2854-14 | 1  | Solid  | 20.04          | 20             | 5.83           | 04/26/2017 | 10:19     |
| 22  | I2854-15 | 1  | Solid  | 20.03          | 20             | 5.03           | 04/26/2017 | 10:20     |
| 23  | I2854-16 | 1  | Solid  | 20.05          | 20             | 6.57           | 04/26/2017 | 10:21     |
| 24  | I2854-17 | 1  | Solid  | 20.01          | 20             | 5.59           | 04/26/2017 | 10:22     |
| 25  | CCV3     | 1  | Water  |                |                | 12.02          | 04/26/2017 | 10:23     |

# WORKLIST(Hardcopy Internal Chain)

2881064

WorkList Name : PH 12854

WorkList ID : 97763

Date : 4/26/2017 9:25:15 AM

| Due Date | Matrix | Sample     | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|----------|--------|------------|------|--------------|----------|------------------|-----------------|--------------|--------|
|          | Solid  | I2854-01 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-1-S1(4-19)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-02 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-1-S2(19-34)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-03 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-2-S1(6-18)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-04 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-2-S2(18-30)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-05 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-2-S3(30-48)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-06 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-3-S1(3-8)    | 04/20/2017   | 9045C  |
|          | Solid  | I2854-07 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-3-S2(8-19)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-08 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-3-S3(19-24)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-09 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-3-S4(24-31)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-10 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SE-3-S5(31-48)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-11 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-4-S1(3-12)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-12 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-4-S2(12-48)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-13 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-5-S1(1-9)    | 04/20/2017   | 9045C  |
|          | Solid  | I2854-14 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-5-S2(9-24)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-15 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-5-S3(24-42)  | 04/20/2017   | 9045C  |
|          | Solid  | I2854-16 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-6-S1(1-12)   | 04/20/2017   | 9045C  |
|          | Solid  | I2854-17 ✓ | pH   | Cool 4 deg C | ECHE01   | P62              | SW-6-S2(12-48)  | 04/20/2017   | 9045C  |

Date/Time 04/26/17 9:25 AM  
 Received by: CP  
 Relinquished by: CP

Date/Time 04/26/17 11:20 AM  
 Received by: CP  
 Relinquished by: JD