

**ATTACHMENT B
72 HOUR FOLLOW-UP NOTIFICATION REPORT FORM
CONTRA COSTA HEALTH SERVICES HAZARDOUS MATERIALS
PROGRAMS**

For CCHSHMP Use Only:

Received By: _____

Date Received: _____

Incident Number: _____

Copied To: _____

Event Classification Level: _____

INSTRUCTIONS: A hardcopy and an electronic copy of this report is to be submitted for all Public Health Advisory – Level 2 and Public Protective Actions Required – Level 3 incidents or when requested by CCHSHMP. See Attachment B-1 for suggestions regarding the type of information to be included in the report. Attach additional sheets as necessary. Forward the completed form to:

ATTENTION:
Hazardous Materials Programs Director
Contra Costa Health Services Hazardous Materials Programs
4585 Pacheco Boulevard, Suite 100
Martinez, CA 94553

INCIDENT DATE: 12/09/2022
INCIDENT TIME: 16:47
FACILITY: Martinez Refining Company LLC

PERSON TO CONTACT FOR ADDITIONAL INFORMATION

Michael Marlowe Phone number (925) 313-3705

- I. **SUMMARY OF EVENT:** At approximately 16:47 on 12/09/2022, equipment failure resulted in routing refinery gasses to the facility's LOP flare, as designed and permitted under the facility's Title V operating permit. At 16:51, pursuant to the Contra Costa Health Services Hazardous Materials Program's Hazardous Materials Incident Notification Policy, facility personnel began entering the incident into the CCCHS Community Warning System. Concurrently, facility personnel began the process of making repairs to the failed equipment and the flaring stopped at approximately 18:16.
- II. **AGENCIES NOTIFIED, INCLUDING TIME OF NOTIFICATION:**
Contra Costa County Department of Health Services (CCCHS) - Via CWS warning System. Level 1 entry began at 16:51 and shows as posted on the CWS site at 16:59:35.
Bay Area Air Quality Management District (BAAQMD) - McKenzie Bell - 16:55 via phone
- III. **AGENCIES RESPONDING, INCLUDING CONTACT NAMES AND PHONE NUMBERS:**
CCCHS - Haz Mat Program - Lacey Friedman - (925) 655-3231
BAAQMD - Chris Thompson - (415) 749-5114
Contra Costa County Fire Protection District - Lon Goetsch - (925) 941-3300 ext. 2012 See additional contacts below.
- IV. **EMERGENCY RESPONSE ACTIONS:**
Facility personnel began repair of the equipment and manual operation of the system until repairs were completed. Flaring stopped at 18:16, and repairs were completed by noon the following day.
- V. **IDENTITY OF MATERIAL RELEASED AND ESTIMATED OR KNOWN QUANTITIES:**
At the onset of the event, facility personnel conservatively called the USEPA to report an exceedance of the > 500 lbs reportable quantity for SO₂; however actual sample results indicate that the RQ was not exceeded and the reports to the EPA and the BAAQMD will be recinded as a result. Based on actual sample results taken in accordance with applicable regulations, the facility estimates that approximately 222.3 lbs SO₂ was generated during the flaring event.

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INCIDENT DATE: 12/09/2022

FACILITY: Martinez Refining Company LLC

VI. **METEOROLOGICAL CONDITIONS AT TIME OF EVENT** including wind speed, direction, and temperature:

See attached met data report.

VII. **DESCRIPTION OF INJURIES:**

There were no injuries from this incident.

VIII. **COMMUNITY IMPACT** including number of off-site complaints, air sampling data during event, etc.:

See attached Ground Level Monitoring (GLM) results recorded for this period.

See attached MRC community monitoring results showing nothing detected.

Approximately 10 community complaints were received with a similar number of questions.

IX. **INCIDENT INVESTIGATION RESULTS**

Is the investigation of the incident complete at this time? _____ Yes X No

If the answer is no, submit a 30 day final or interim report.

If the answer is yes, complete the following:

X. **SUMMARIZE INVESTIGATION RESULTS BELOW OR ATTACH COPY OF REPORT:**

NA

XI. **SUMMARIZE PREVENTATIVE MEASURES TO BE TAKEN TO PREVENT RECURRENCE INCLUDING MILESTONE AND COMPLETION DATES FOR IMPLEMENTATION:**

NA - incident under investigation

III Continued:

CCCHSD - Nicole Heath -17:00

BAAQMD Christopher Thompson - 18:31

Ground Level Monitoring Data

| Time (UTC-08:00) Pacific Time (US & Canada) | 1AI1469.PV@mzrpi E* SHELL AVE H2S MONITOR PPB | 1AI1470.PV@mzrpi ACE HARDWARE H2S ANLZR PPB |
|--|---|---|
| 12/9/2022 16:00 | 4.27962 G | 1.87019 G |
| 12/9/2022 16:01 | 4.69685 G | 2.05661 G |
| 12/9/2022 16:02 | 4.75646 G | 1.91678 G |
| 12/9/2022 16:03 | 4.97103 G | 1.91678 G |
| 12/9/2022 16:04 | | 1.91678 G |
| 12/9/2022 16:05 | 4.42267 G | 1.91678 G |
| 12/9/2022 16:06 | 5.34058 G | 2.05661 G |
| 12/9/2022 16:07 | 4.88759 G | 1.91678 G |
| 12/9/2022 16:08 | 4.19617 G | 1.91678 G |
| 12/9/2022 16:09 | 4.16041 G | 1.91678 G |
| 12/9/2022 16:10 | 3.86238 G | 1.87019 G |
| 12/9/2022 16:11 | 4.18425 G | 2.05661 G |
| 12/9/2022 16:12 | 3.79086 G | 1.96339 G |
| 12/9/2022 16:13 | 4.22001 G | 1.91678 G |
| 12/9/2022 16:14 | 4.16041 G | 1.87019 G |
| 12/9/2022 16:15 | 4.33922 G | 2.05661 G |
| 12/9/2022 16:16 | 4.27962 G | 2.01 G |
| 12/9/2022 16:17 | 4.99487 G | 1.91678 G |
| 12/9/2022 16:18 | 4.41075 G | 1.87019 G |
| 12/9/2022 16:19 | 4.50612 G | 1.91678 G |
| 12/9/2022 16:20 | 5.24521 G | |
| 12/9/2022 16:21 | 4.23193 G | 1.91678 G |
| 12/9/2022 16:22 | 3.89815 G | 1.87019 G |
| 12/9/2022 16:23 | 4.23193 G | 1.91678 G |
| 12/9/2022 16:24 | 4.35114 G | 2.24304 G |
| 12/9/2022 16:25 | 4.79222 G | 1.91678 G |
| 12/9/2022 16:26 | 4.3273 G | 1.91678 G |
| 12/9/2022 16:27 | 4.97103 G | 1.87019 G |
| 12/9/2022 16:28 | 4.95911 G | 2.05661 G |
| 12/9/2022 16:29 | 4.95911 G | 2.01 G |
| 12/9/2022 16:30 | 4.30346 G | 1.96339 G |
| 12/9/2022 16:31 | 4.30346 G | 1.87019 G |
| 12/9/2022 16:32 | 4.6134 G | 1.87019 G |
| 12/9/2022 16:33 | 3.86238 G | 2.05661 G |
| 12/9/2022 16:34 | | 1.91678 G |
| 12/9/2022 16:35 | 4.85182 G | 2.05661 G |
| 12/9/2022 16:36 | 4.18425 G | 2.05661 G |
| 12/9/2022 16:37 | 4.16041 G | 1.87019 G |
| 12/9/2022 16:38 | 4.11272 G | 1.87019 G |
| 12/9/2022 16:39 | 4.89951 G | 1.87019 G |
| 12/9/2022 16:40 | 4.7803 G | 1.87019 G |
| 12/9/2022 16:41 | 4.13657 G | 1.87019 G |

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| 2.03848 G | 2.45099 G | 0.00514 G |
| 2.44379 G | 1.8498 G | 0.00514 G |
| 1.9908 G | 1.66483 G | 0.00542 G |
| 2.38419 G | 2.266 G | 0.00551 G |
| 2.20537 G | 2.12727 G | 0.00542 G |
| 2.21729 G | 2.12727 G | |
| 2.39611 G | 1.80356 G | 0.00514 G |
| 2.45571 G | 1.8498 G | 0.00542 G |
| 2.58684 G | 2.266 G | 0.00486 G |
| 2.44379 G | 2.31226 G | 0.00514 G |
| 2.7895 G | 2.12727 G | 0.00551 G |
| 2.32458 G | 2.12727 G | 0.00514 G |
| 1.89543 G | 2.7747 G | 0.00551 G |
| 1.81198 G | 2.86719 G | 0.00551 G |
| 1.77622 G | 2.91345 G | 0.00551 G |
| 2.03848 G | 2.266 G | 0.00551 G |
| 2.38419 G | 2.12727 G | 0.00551 G |
| 2.41995 G | 2.17351 G | 0.00551 G |
| 2.46763 G | 2.12727 G | 0.00514 G |
| 2.3365 G | 2.17351 G | 0.00514 G |
| 2.70605 G | 2.12727 G | 0.00514 G |
| 2.18153 G | 1.75731 G | 0.00514 G |
| 2.49148 G | 1.52609 G | 0.00542 G |
| 2.62261 G | 1.98855 G | 0.00486 G |

Meteorological Data

| Date | Time | Wind Spd (mph) | Wind Dir (°) | Temp (°F) | Latest Rain (In) |
|-----------|------|----------------|--------------|-----------|------------------|
| 12/9/2022 | 1940 | 1.7 | ESE 122 | 49.9 | 0 |
| 12/9/2022 | 1939 | 1.6 | SE 126 | 49.9 | 0 |
| 12/9/2022 | 1938 | 1.6 | SE 126 | 49.8 | 0 |
| 12/9/2022 | 1937 | 1.8 | ESE 120 | 49.8 | 0 |
| 12/9/2022 | 1936 | 1.7 | SE 128 | 49.8 | 0 |
| 12/9/2022 | 1935 | 1.6 | SE 126 | 49.7 | 0 |
| 12/9/2022 | 1934 | 1.5 | ESE 116 | 49.7 | 0 |
| 12/9/2022 | 1933 | 0.9 | ESE 106 | 49.7 | 0 |
| 12/9/2022 | 1932 | 0.3 | E 89 | 49.7 | 0 |
| 12/9/2022 | 1931 | 0 | ENE 59 | 49.6 | 0 |
| 12/9/2022 | 1930 | 0.2 | ENE 61 | 49.6 | 0 |
| 12/9/2022 | 1929 | 0 | N 0 | 49.6 | 0 |
| 12/9/2022 | 1928 | 0 | N 0 | 49.6 | 0 |
| 12/9/2022 | 1927 | 0.2 | SSW 194 | 49.6 | 0 |
| 12/9/2022 | 1926 | 0.9 | S 191 | 49.6 | 0 |
| 12/9/2022 | 1925 | 1.3 | S 183 | 49.6 | 0 |
| 12/9/2022 | 1924 | 1.3 | S 180 | 49.6 | 0 |
| 12/9/2022 | 1923 | 1.2 | S 182 | 49.6 | 0 |
| 12/9/2022 | 1922 | 0.8 | S 190 | 49.6 | 0 |
| 12/9/2022 | 1921 | 0.5 | S 174 | 49.6 | 0 |
| 12/9/2022 | 1920 | 0.9 | SSE 149 | 49.6 | 0 |
| 12/9/2022 | 1919 | 1.1 | SSE 149 | 49.6 | 0 |
| 12/9/2022 | 1918 | 1.6 | SSE 148 | 49.6 | 0 |
| 12/9/2022 | 1917 | 1.7 | SSE 153 | 49.5 | 0 |
| 12/9/2022 | 1916 | 1.3 | SSE 149 | 49.5 | 0 |
| 12/9/2022 | 1915 | 1.8 | SE 133 | 49.4 | 0 |
| 12/9/2022 | 1914 | 1.9 | SE 135 | 49.4 | 0 |
| 12/9/2022 | 1913 | 1.7 | SE 143 | 49.3 | 0 |
| 12/9/2022 | 1912 | 1.8 | SSE 150 | 49.3 | 0 |
| 12/9/2022 | 1911 | 1.7 | SSE 150 | 49.2 | 0 |
| 12/9/2022 | 1910 | 1.5 | SSE 147 | 49.1 | 0 |
| 12/9/2022 | 1909 | 0.8 | SSE 163 | 49.1 | 0 |
| 12/9/2022 | 1908 | 0 | N 0 | 49.1 | 0 |
| 12/9/2022 | 1907 | 0.6 | SW 229 | 49.1 | 0 |
| 12/9/2022 | 1906 | 1.1 | SW 236 | 49.1 | 0 |
| 12/9/2022 | 1905 | 1.2 | SW 221 | 49.1 | 0 |
| 12/9/2022 | 1904 | 0.4 | SW 224 | 49.1 | 0 |
| 12/9/2022 | 1903 | 0.6 | SW 216 | 49.1 | 0 |
| 12/9/2022 | 1902 | 1.2 | SW 216 | 49.2 | 0 |
| 12/9/2022 | 1901 | 0.8 | SW 224 | 49.2 | 0 |
| 12/9/2022 | 1900 | 0.8 | SW 228 | 49.2 | 0 |
| 12/9/2022 | 1859 | 0.8 | SW 219 | 49.2 | 0 |
| 12/9/2022 | 1858 | 0.2 | SSW 193 | 49.2 | 0 |
| 12/9/2022 | 1857 | 0 | N 0 | 49.2 | 0 |
| 12/9/2022 | 1856 | 0 | N 0 | 49.3 | 0 |
| 12/9/2022 | 1855 | 0 | N 0 | 49.3 | 0 |

| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1854 | 0 N 0 | 49.3 | 0 |
| 12/9/2022 1853 | 0 N 0 | 49.3 | 0 |
| 12/9/2022 1852 | 0 N 0 | 49.3 | 0 |
| 12/9/2022 1851 | 0 N 0 | 49.4 | 0 |
| 12/9/2022 1850 | 0 N 0 | 49.4 | 0 |
| 12/9/2022 1849 | 0 N 0 | 49.4 | 0 |
| 12/9/2022 1848 | 0.2 SE 132 | 49.5 | 0 |
| 12/9/2022 1847 | 0.6 ENE 73 | 49.5 | 0 |
| 12/9/2022 1846 | 0.6 ENE 77 | 49.5 | 0 |
| 12/9/2022 1845 | 0.1 ENE 63 | 49.6 | 0 |
| 12/9/2022 1844 | 0 N 0 | 49.6 | 0 |
| 12/9/2022 1843 | 0 N 0 | 49.6 | 0 |
| 12/9/2022 1842 | 0 N 0 | 49.6 | 0 |
| 12/9/2022 1841 | 0.2 NNE 29 | 49.7 | 0 |
| 12/9/2022 1840 | 0.6 NE 45 | 49.7 | 0 |
| 12/9/2022 1839 | 1.9 ENE 58 | 49.8 | 0 |
| 12/9/2022 1838 | 1.5 ENE 74 | 49.8 | 0 |
| 12/9/2022 1837 | 2.1 ENE 58 | 49.9 | 0 |
| 12/9/2022 1836 | 2.5 ENE 72 | 49.9 | 0 |
| 12/9/2022 1835 | 1.5 ENE 72 | 50 | 0 |
| 12/9/2022 1834 | 2 ENE 72 | 50 | 0 |
| 12/9/2022 1833 | 1.9 ENE 64 | 50 | 0 |
| 12/9/2022 1832 | 1.7 ENE 72 | 50.1 | 0 |
| 12/9/2022 1831 | 1.9 ENE 76 | 50.2 | 0 |
| 12/9/2022 1830 | 1.9 E 87 | 50.2 | 0 |
| 12/9/2022 1829 | 1.9 E 93 | 50.3 | 0 |
| 12/9/2022 1828 | 1.9 E 88 | 50.3 | 0 |
| 12/9/2022 1827 | 1.5 E 100 | 50.4 | 0 |
| 12/9/2022 1826 | 1.4 E 101 | 50.5 | 0 |
| 12/9/2022 1825 | 1.4 ESE 107 | 50.5 | 0 |
| 12/9/2022 1824 | 1.6 ESE 113 | 50.6 | 0 |
| 12/9/2022 1823 | 1.9 ESE 116 | 50.6 | 0 |
| 12/9/2022 1822 | 1.6 ESE 123 | 50.7 | 0 |
| 12/9/2022 1821 | 1.7 ESE 104 | 50.8 | 0 |
| 12/9/2022 1820 | 1.4 ESE 116 | 50.8 | 0 |
| 12/9/2022 1819 | 0.6 SE 139 | 50.9 | 0 |
| 12/9/2022 1818 | 0.7 SE 146 | 51 | 0 |
| 12/9/2022 1817 | 0.7 SE 124 | 51.1 | 0 |
| 12/9/2022 1816 | 1.4 SSE 148 | 51.2 | 0 |
| 12/9/2022 1815 | 2 SSE 149 | 51.3 | 0 |
| 12/9/2022 1814 | 2.3 SE 142 | 51.4 | 0 |
| 12/9/2022 1813 | 1.7 SE 126 | 51.5 | 0 |
| 12/9/2022 1812 | 1.7 ESE 108 | 51.6 | 0 |
| 12/9/2022 1811 | 1.8 ESE 112 | 51.7 | 0 |
| 12/9/2022 1810 | 2.2 ESE 118 | 51.8 | 0 |
| 12/9/2022 1809 | 2.2 ESE 114 | 51.9 | 0 |
| 12/9/2022 1808 | 2.2 E 96 | 52 | 0 |

| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1807 | 2.7 E 92 | 52.1 | 0 |
| 12/9/2022 1806 | 3.1 E 100 | 52.1 | 0 |
| 12/9/2022 1805 | 3.4 ESE 103 | 52.2 | 0 |
| 12/9/2022 1804 | 3.6 ESE 110 | 52.3 | 0 |
| 12/9/2022 1803 | 3.3 E 98 | 52.4 | 0 |
| 12/9/2022 1802 | 2.7 E 88 | 52.5 | 0 |
| 12/9/2022 1801 | 2.9 ENE 72 | 52.6 | 0 |
| 12/9/2022 1800 | 2.3 E 88 | 52.7 | 0 |
| 12/9/2022 1759 | 2.3 E 82 | 52.8 | 0 |
| 12/9/2022 1758 | 2.3 E 80 | 52.8 | 0 |
| 12/9/2022 1757 | 2.7 ENE 78 | 52.8 | 0 |
| 12/9/2022 1756 | 2.9 ENE 78 | 52.9 | 0 |
| 12/9/2022 1755 | 3.2 E 79 | 52.9 | 0 |
| 12/9/2022 1754 | 3.2 E 81 | 52.9 | 0 |
| 12/9/2022 1753 | 2.6 E 90 | 53 | 0 |
| 12/9/2022 1752 | 2.9 E 81 | 53 | 0 |
| 12/9/2022 1751 | 3.1 ENE 77 | 53.1 | 0 |
| 12/9/2022 1750 | 3.3 ENE 65 | 53.1 | 0 |
| 12/9/2022 1749 | 1.9 E 82 | 53.2 | 0 |
| 12/9/2022 1748 | 1.4 ENE 67 | 53.2 | 0 |
| 12/9/2022 1747 | 1.6 NE 54 | 53.3 | 0 |
| 12/9/2022 1746 | 2.1 NE 44 | 53.4 | 0 |
| 12/9/2022 1745 | 1.6 NE 46 | 53.4 | 0 |
| 12/9/2022 1744 | 0.9 NE 34 | 53.5 | 0 |
| 12/9/2022 1743 | 1.7 NNE 28 | 53.6 | 0 |
| 12/9/2022 1742 | 2.5 NE 40 | 53.6 | 0 |
| 12/9/2022 1741 | 2.3 NNE 29 | 53.6 | 0 |
| 12/9/2022 1740 | 1.2 NE 37 | 53.7 | 0 |
| 12/9/2022 1739 | 1.9 NE 44 | 53.7 | 0 |
| 12/9/2022 1738 | 2 NE 42 | 53.8 | 0 |
| 12/9/2022 1737 | 1.2 NNE 31 | 53.9 | 0 |
| 12/9/2022 1736 | 1.6 NE 48 | 54 | 0 |
| 12/9/2022 1735 | 1.6 NE 34 | 54 | 0 |
| 12/9/2022 1734 | 1.8 NE 40 | 54 | 0 |
| 12/9/2022 1733 | 2.2 NE 46 | 54.1 | 0 |
| 12/9/2022 1732 | 2.7 NE 40 | 54 | 0 |
| 12/9/2022 1731 | 2.6 NE 36 | 54 | 0 |
| 12/9/2022 1730 | 2.2 ENE 60 | 54 | 0 |
| 12/9/2022 1729 | 2.3 NE 52 | 53.9 | 0 |
| 12/9/2022 1728 | 3.1 NE 51 | 53.9 | 0 |
| 12/9/2022 1727 | 3 ENE 68 | 53.8 | 0 |
| 12/9/2022 1726 | 3.4 ENE 66 | 53.6 | 0 |
| 12/9/2022 1725 | 3.5 ENE 66 | 53.5 | 0 |
| 12/9/2022 1724 | 3.3 ENE 62 | 53.4 | 0 |
| 12/9/2022 1723 | 2.5 ENE 65 | 53.4 | 0 |
| 12/9/2022 1722 | 1.9 ENE 71 | 53.4 | 0 |
| 12/9/2022 1721 | 2 ENE 66 | 53.4 | 0 |

| | | | |
|----------------|--------------|------|---|
| 12/9/2022 1720 | 2.5 NE 47 | 53.3 | 0 |
| 12/9/2022 1719 | 1.9 NE 48 | 53.4 | 0 |
| 12/9/2022 1718 | 1.3 ENE 69 | 53.4 | 0 |
| 12/9/2022 1717 | 1.5 NE 35 | 53.4 | 0 |
| 12/9/2022 1716 | 1.9 NNE 32 | 53.5 | 0 |
| 12/9/2022 1715 | 2.2 ENE 74 | 53.6 | 0 |
| 12/9/2022 1714 | 1.7 ENE 76 | 53.6 | 0 |
| 12/9/2022 1713 | 1.8 ENE 75 | 53.6 | 0 |
| 12/9/2022 1712 | 2.3 ENE 71 | 53.7 | 0 |
| 12/9/2022 1711 | 2.7 ENE 75 | 53.7 | 0 |
| 12/9/2022 1710 | 1.8 E 93 | 53.7 | 0 |
| 12/9/2022 1709 | 1.4 E 90 | 53.8 | 0 |
| 12/9/2022 1708 | 1.1 NE 35 | 53.8 | 0 |
| 12/9/2022 1707 | 2 NE 42 | 53.8 | 0 |
| 12/9/2022 1706 | 1.8 NE 40 | 53.8 | 0 |
| 12/9/2022 1705 | 0.8 NE 44 | 53.8 | 0 |
| 12/9/2022 1704 | 1.2 ENE 61 | 53.8 | 0 |
| 12/9/2022 1703 | 0.8 ENE 59 | 53.9 | 0 |
| 12/9/2022 1702 | 1.7 ENE 61 | 53.9 | 0 |
| 12/9/2022 1701 | 2.1 NE 38 | 53.9 | 0 |
| 12/9/2022 1700 | 2.8 NE 40 | 53.9 | 0 |
| 12/9/2022 1659 | 3 ENE 61 | 53.8 | 0 |
| 12/9/2022 1658 | 2.9 NE 49 | 53.7 | 0 |
| 12/9/2022 1657 | 3.6 ENE 62 | 53.7 | 0 |
| 12/9/2022 1656 | 3.4 NE 56 | 53.6 | 0 |
| 12/9/2022 1655 | 3.4 ENE 65 | 53.4 | 0 |
| 12/9/2022 1654 | 2.8 ENE 60 | 53.4 | 0 |
| 12/9/2022 1653 | 2.5 NE 50 | 53.3 | 0 |
| 12/9/2022 1652 | 3.1 NE 56 | 53.2 | 0 |
| 12/9/2022 1651 | 2.6 NE 42 | 53.1 | 0 |
| 12/9/2022 1650 | 3.1 NE 55 | 53.1 | 0 |
| 12/9/2022 1649 | 2.3 ENE 58 | 53.1 | 0 |
| 12/9/2022 1648 | 1.6 ENE 59 | 53.2 | 0 |
| 12/9/2022 1647 | 1.6 NE 56 | 53.2 | 0 |
| 12/9/2022 1646 | 1.7 ENE 59 | 53.3 | 0 |
| 12/9/2022 1645 | 1.1 NE 50 | 53.4 | 0 |
| 12/9/2022 1644 | 1.8 ENE 63 | 53.4 | 0 |
| 12/9/2022 1643 | 1.1 ENE 69 | 53.5 | 0 |
| 12/9/2022 1642 | 1 ENE 76 | 53.5 | 0 |
| 12/9/2022 1641 | 2.7 NE 42 | 53.5 | 0 |
| 12/9/2022 1640 | 4.1 NNE 29 | 53.4 | 0 |
| 12/9/2022 1639 | 2.5 NE 43 | 53.3 | 0 |
| 12/9/2022 1638 | 2.8 NNE 27 | 53.3 | 0 |
| 12/9/2022 1637 | 3.2 NE 38 | 53.2 | 0 |
| 12/9/2022 1636 | 3.1 NE 37 | 53.1 | 0 |
| 12/9/2022 1635 | 2.5 NE 37 | 53 | 0 |
| 12/9/2022 1634 | 2.1 NE 40 | 53 | 0 |

| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1633 | 2.8 NNE 23 | 53 | 0 |
| 12/9/2022 1632 | 2.6 NNE 32 | 53.1 | 0 |
| 12/9/2022 1631 | 2.3 NNE 28 | 53.2 | 0 |
| 12/9/2022 1630 | 2.3 NNE 12 | 53.3 | 0 |
| 12/9/2022 1629 | 3.1 N 6 | 53.4 | 0 |
| 12/9/2022 1628 | 2.1 N 359 | 53.5 | 0 |
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| 12/9/2022 1626 | 2.9 N 3 | 53.8 | 0 |
| 12/9/2022 1625 | 3 N 2 | 54 | 0 |
| 12/9/2022 1624 | 3.3 N 359 | 54.1 | 0 |
| 12/9/2022 1623 | 1.6 NNW 344 | 54.3 | 0 |
| 12/9/2022 1622 | 1.3 N 3 | 54.4 | 0 |
| 12/9/2022 1621 | 2.2 N 6 | 54.6 | 0 |
| 12/9/2022 1620 | 1.9 N 359 | 54.7 | 0 |
| 12/9/2022 1619 | 1.1 N 3 | 54.8 | 0 |
| 12/9/2022 1618 | 1.6 NNE 12 | 55 | 0 |
| 12/9/2022 1617 | 1.4 N 3 | 55.1 | 0 |
| 12/9/2022 1616 | 1.7 N 10 | 55.2 | 0 |
| 12/9/2022 1615 | 2 NNE 31 | 55.3 | 0 |
| 12/9/2022 1614 | 2.6 NNE 24 | 55.4 | 0 |
| 12/9/2022 1613 | 3.1 NE 38 | 55.5 | 0 |
| 12/9/2022 1612 | 2.7 NNE 33 | 55.6 | 0 |
| 12/9/2022 1611 | 2.8 NNE 13 | 55.7 | 0 |
| 12/9/2022 1610 | 2.7 N 1 | 55.8 | 0 |
| 12/9/2022 1609 | 2.6 N 7 | 56 | 0 |
| 12/9/2022 1608 | 3 NNE 26 | 56.1 | 0 |
| 12/9/2022 1607 | 0.7 NE 56 | 56.2 | 0 |
| 12/9/2022 1606 | 1.5 NE 50 | 56.3 | 0 |
| 12/9/2022 1605 | 1.2 NE 37 | 56.4 | 0 |
| 12/9/2022 1604 | 1.8 NE 51 | 56.5 | 0 |
| 12/9/2022 1603 | 2.8 ENE 57 | 56.6 | 0 |
| 12/9/2022 1602 | 4 ENE 74 | 56.6 | 0 |
| 12/9/2022 1601 | 4.1 ENE 65 | 56.6 | 0 |
| 12/9/2022 1600 | 4 ENE 65 | 56.6 | 0 |
| 12/9/2022 1559 | 3.5 ENE 71 | 56.7 | 0 |
| 12/9/2022 1558 | 2.7 ENE 66 | 56.7 | 0 |
| 12/9/2022 1557 | 3.3 E 80 | 56.8 | 0 |
| 12/9/2022 1556 | 2.8 ENE 59 | 56.8 | 0 |
| 12/9/2022 1555 | 2.7 E 80 | 56.9 | 0 |
| 12/9/2022 1554 | 3.6 ENE 62 | 56.9 | 0 |
| 12/9/2022 1553 | 4.5 ENE 67 | 56.9 | 0 |
| 12/9/2022 1552 | 4.5 ENE 72 | 56.8 | 0 |
| 12/9/2022 1551 | 4.6 ENE 75 | 56.8 | 0 |
| 12/9/2022 1550 | 4 ENE 69 | 56.8 | 0 |
| 12/9/2022 1549 | 3.9 ENE 73 | 56.9 | 0 |
| 12/9/2022 1548 | 2.8 ENE 76 | 56.9 | 0 |
| 12/9/2022 1547 | 4.2 ENE 66 | 56.9 | 0 |

| | | | |
|----------------|--------------|------|---|
| 12/9/2022 1546 | 3.5 ENE 72 | 57 | 0 |
| 12/9/2022 1545 | 3.1 ENE 73 | 57 | 0 |
| 12/9/2022 1544 | 3.4 ENE 67 | 57 | 0 |
| 12/9/2022 1543 | 3.7 E 85 | 57 | 0 |
| 12/9/2022 1542 | 3.3 NE 48 | 57 | 0 |
| 12/9/2022 1541 | 3.8 NE 39 | 56.9 | 0 |
| 12/9/2022 1540 | 3.5 NE 43 | 56.9 | 0 |
| 12/9/2022 1539 | 4.5 NE 42 | 56.8 | 0 |
| 12/9/2022 1538 | 4.3 NE 42 | 56.7 | 0 |
| 12/9/2022 1537 | 3.9 NE 55 | 56.7 | 0 |
| 12/9/2022 1536 | 4.4 NE 38 | 56.7 | 0 |
| 12/9/2022 1535 | 4.7 NNE 33 | 56.7 | 0 |
| 12/9/2022 1534 | 3 NNE 23 | 56.8 | 0 |
| 12/9/2022 1533 | 2.3 NE 39 | 56.9 | 0 |
| 12/9/2022 1532 | 3.4 ENE 57 | 57 | 0 |
| 12/9/2022 1531 | 3.7 ENE 59 | 57 | 0 |
| 12/9/2022 1530 | 1.8 ENE 59 | 57.2 | 0 |
| 12/9/2022 1529 | 2.1 NNE 33 | 57.3 | 0 |
| 12/9/2022 1528 | 2.1 NE 51 | 57.4 | 0 |
| 12/9/2022 1527 | 3.3 ENE 61 | 57.5 | 0 |
| 12/9/2022 1526 | 3 NE 56 | 57.6 | 0 |
| 12/9/2022 1525 | 3.7 ENE 74 | 57.6 | 0 |
| 12/9/2022 1524 | 3.9 ENE 71 | 57.7 | 0 |
| 12/9/2022 1523 | 4.1 NE 37 | 57.7 | 0 |
| 12/9/2022 1522 | 2.9 NE 40 | 57.8 | 0 |
| 12/9/2022 1521 | 2.8 NE 46 | 57.8 | 0 |
| 12/9/2022 1520 | 3.4 NE 47 | 57.8 | 0 |
| 12/9/2022 1519 | 3.6 ENE 66 | 57.8 | 0 |
| 12/9/2022 1518 | 4.4 ENE 73 | 57.7 | 0 |
| 12/9/2022 1517 | 5.3 ENE 70 | 57.6 | 0 |
| 12/9/2022 1516 | 4.4 ENE 61 | 57.5 | 0 |
| 12/9/2022 1515 | 4.8 ENE 67 | 57.4 | 0 |
| 12/9/2022 1514 | 3.3 NE 56 | 57.3 | 0 |
| 12/9/2022 1513 | 3.6 NNE 31 | 57.2 | 0 |
| 12/9/2022 1512 | 4.2 NE 38 | 57 | 0 |
| 12/9/2022 1511 | 5.1 NE 38 | 56.8 | 0 |
| 12/9/2022 1510 | 4.5 NE 42 | 56.5 | 0 |
| 12/9/2022 1509 | 2.9 NNE 23 | 56.5 | 0 |
| 12/9/2022 1508 | 3.6 NNE 30 | 56.4 | 0 |
| 12/9/2022 1507 | 3.3 NE 39 | 56.4 | 0 |
| 12/9/2022 1506 | 3.3 NNE 25 | 56.2 | 0 |
| 12/9/2022 1505 | 3.5 NE 44 | 56 | 0 |
| 12/9/2022 1504 | 3.6 NE 52 | 55.9 | 0 |
| 12/9/2022 1503 | 3.9 NNE 29 | 55.7 | 0 |
| 12/9/2022 1502 | 3.6 NE 40 | 55.5 | 0 |
| 12/9/2022 1501 | 2 NNE 32 | 55.5 | 0 |
| 12/9/2022 1500 | 2.4 NE 48 | 55.4 | 0 |

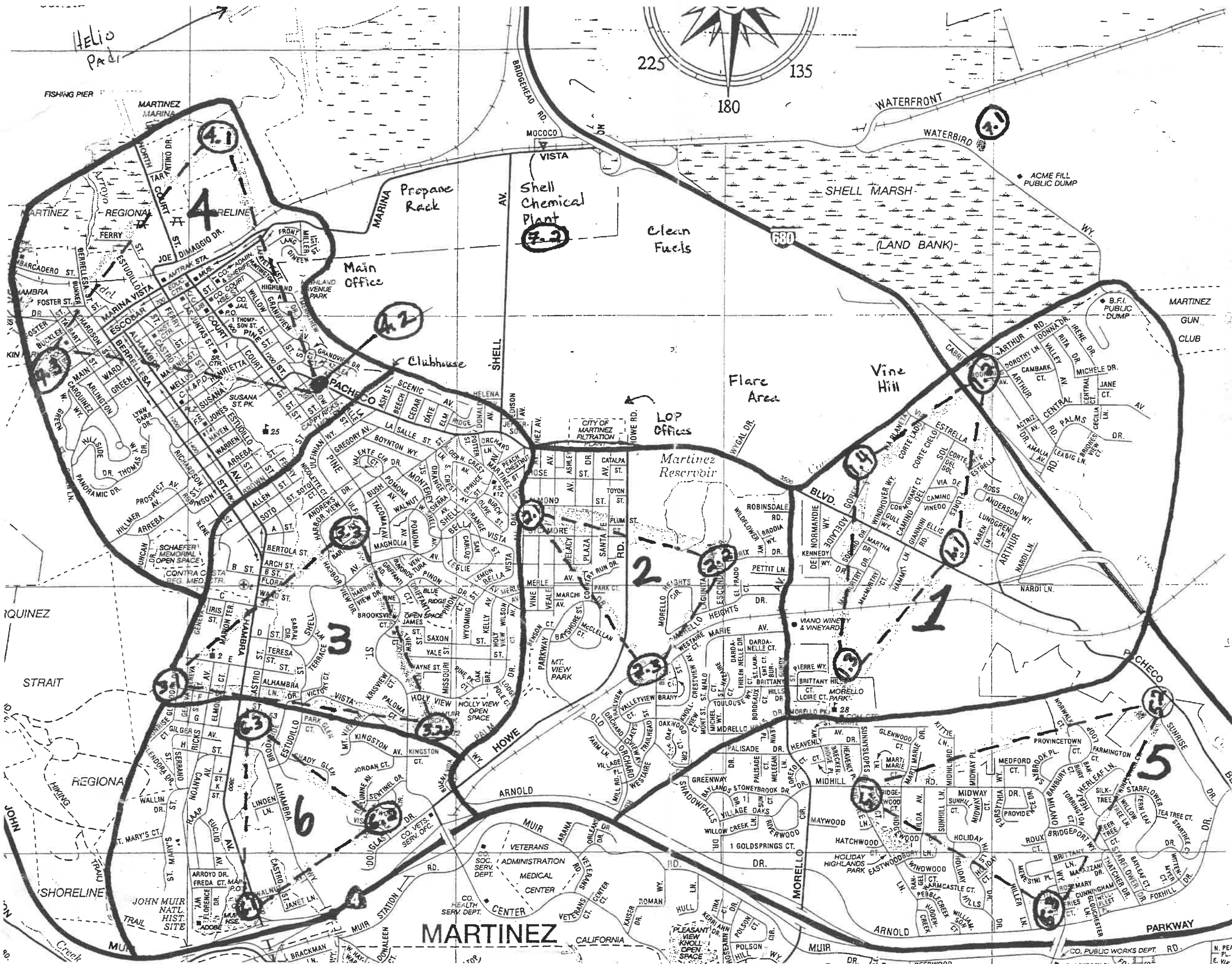
| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1459 | 1.7 NE 37 | 55.4 | 0 |
| 12/9/2022 1458 | 2.1 NNE 30 | 55.3 | 0 |
| 12/9/2022 1457 | 1 NE 39 | 55.3 | 0 |
| 12/9/2022 1456 | 0.9 NNW 327 | 55.4 | 0 |
| 12/9/2022 1455 | 2 NW 326 | 55.4 | 0 |
| 12/9/2022 1454 | 1.7 NW 318 | 55.5 | 0 |
| 12/9/2022 1453 | 1.6 N 358 | 55.6 | 0 |
| 12/9/2022 1452 | 2.4 N 4 | 55.6 | 0 |
| 12/9/2022 1451 | 3.4 N 360 | 55.6 | 0 |
| 12/9/2022 1450 | 3.5 N 11 | 55.6 | 0 |
| 12/9/2022 1449 | 2.7 NNE 14 | 55.6 | 0 |
| 12/9/2022 1448 | 3.4 N 6 | 55.6 | 0 |
| 12/9/2022 1447 | 3.4 NNE 15 | 55.5 | 0 |
| 12/9/2022 1446 | 3.3 NNE 12 | 55.5 | 0 |
| 12/9/2022 1445 | 3.5 N 2 | 55.5 | 0 |
| 12/9/2022 1444 | 2.4 NNE 12 | 55.4 | 0 |
| 12/9/2022 1443 | 3.6 NNE 15 | 55.4 | 0 |
| 12/9/2022 1442 | 3.9 N 4 | 55.4 | 0 |
| 12/9/2022 1441 | 5.5 N 3 | 55.3 | 0 |
| 12/9/2022 1440 | 5.1 N 8 | 55.2 | 0 |
| 12/9/2022 1439 | 4.7 NNE 14 | 55 | 0 |
| 12/9/2022 1438 | 3.6 NNE 14 | 55 | 0 |
| 12/9/2022 1437 | 3.7 N 3 | 55 | 0 |
| 12/9/2022 1436 | 3.2 N 10 | 55 | 0 |
| 12/9/2022 1435 | 3.9 N 8 | 55 | 0 |
| 12/9/2022 1434 | 3.1 N 3 | 55 | 0 |
| 12/9/2022 1433 | 1.9 N 7 | 55 | 0 |
| 12/9/2022 1432 | 2.2 N 7 | 55 | 0 |
| 12/9/2022 1431 | 1.9 NNE 26 | 55 | 0 |
| 12/9/2022 1430 | 1.8 N 358 | 55.1 | 0 |
| 12/9/2022 1429 | 1.6 N 358 | 55.1 | 0 |
| 12/9/2022 1428 | 2.7 N 356 | 55.1 | 0 |
| 12/9/2022 1427 | 1.4 NNE 16 | 55.1 | 0 |
| 12/9/2022 1426 | 1.7 N 356 | 55.2 | 0 |
| 12/9/2022 1425 | 2.3 N 8 | 55.2 | 0 |
| 12/9/2022 1424 | 2.3 NNE 13 | 55.2 | 0 |
| 12/9/2022 1423 | 2.6 N 4 | 55.2 | 0 |
| 12/9/2022 1422 | 2.9 NNE 12 | 55.2 | 0 |
| 12/9/2022 1421 | 2 N 8 | 55.2 | 0 |
| 12/9/2022 1420 | 1.5 N 4 | 55.3 | 0 |
| 12/9/2022 1419 | 1.6 NNW 336 | 55.3 | 0 |
| 12/9/2022 1418 | 1.6 NNW 347 | 55.4 | 0 |
| 12/9/2022 1417 | 2.1 N 358 | 55.4 | 0 |
| 12/9/2022 1416 | 2.2 NNW 345 | 55.5 | 0 |
| 12/9/2022 1415 | 2.4 NNW 344 | 55.5 | 0 |
| 12/9/2022 1414 | 2.7 NNW 340 | 55.6 | 0 |
| 12/9/2022 1413 | 2.9 NNW 340 | 55.6 | 0 |

| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1412 | 2.5 NNW 332 | 55.6 | 0 |
| 12/9/2022 1411 | 1.2 N 350 | 55.7 | 0 |
| 12/9/2022 1410 | 2.4 NNE 17 | 55.7 | 0 |
| 12/9/2022 1409 | 2.4 NNE 21 | 55.6 | 0 |
| 12/9/2022 1408 | 2.9 NNE 25 | 55.6 | 0 |
| 12/9/2022 1407 | 2.4 NNE 26 | 55.5 | 0 |
| 12/9/2022 1406 | 2.7 NNE 18 | 55.4 | 0 |
| 12/9/2022 1405 | 3.5 N 7 | 55.4 | 0 |
| 12/9/2022 1404 | 3.5 N 6 | 55.4 | 0 |
| 12/9/2022 1403 | 3.6 N 4 | 55.5 | 0 |
| 12/9/2022 1402 | 3.7 N 5 | 55.5 | 0 |
| 12/9/2022 1401 | 3.2 NNE 26 | 55.4 | 0 |
| 12/9/2022 1400 | 3 NNE 29 | 55.3 | 0 |
| 12/9/2022 1359 | 3 NNE 19 | 55.3 | 0 |
| 12/9/2022 1358 | 3 NNE 26 | 55.2 | 0 |
| 12/9/2022 1357 | 2 NNE 19 | 55.2 | 0 |
| 12/9/2022 1356 | 2.8 NE 36 | 55.1 | 0 |
| 12/9/2022 1355 | 3 NNE 26 | 55 | 0 |
| 12/9/2022 1354 | 2.7 NNE 26 | 54.9 | 0 |
| 12/9/2022 1353 | 2.8 NNE 24 | 54.9 | 0 |
| 12/9/2022 1352 | 2.7 N 356 | 55 | 0 |
| 12/9/2022 1351 | 3.7 N 352 | 55 | 0 |
| 12/9/2022 1350 | 3.8 N 354 | 55 | 0 |
| 12/9/2022 1349 | 3.5 N 2 | 55.1 | 0 |
| 12/9/2022 1348 | 4 N 11 | 55.1 | 0 |
| 12/9/2022 1347 | 3.5 N 2 | 55.1 | 0 |
| 12/9/2022 1346 | 3.3 N 5 | 55.1 | 0 |
| 12/9/2022 1345 | 2.2 N 6 | 55.2 | 0 |
| 12/9/2022 1344 | 2.2 N 7 | 55.3 | 0 |
| 12/9/2022 1343 | 2.2 N 9 | 55.3 | 0 |
| 12/9/2022 1342 | 1.1 N 3 | 55.4 | 0 |
| 12/9/2022 1341 | 1.4 N 4 | 55.4 | 0 |
| 12/9/2022 1340 | 1.1 N 9 | 55.5 | 0 |
| 12/9/2022 1339 | 1.7 N 2 | 55.6 | 0 |
| 12/9/2022 1338 | 2.4 NNW 346 | 55.7 | 0 |
| 12/9/2022 1337 | 1.6 N 358 | 55.7 | 0 |
| 12/9/2022 1336 | 1.4 N 355 | 55.8 | 0 |
| 12/9/2022 1335 | 0.4 WNW 301 | 55.9 | 0 |
| 12/9/2022 1334 | 0.9 NNW 341 | 56 | 0 |
| 12/9/2022 1333 | 1.7 NNW 341 | 56.1 | 0 |
| 12/9/2022 1332 | 0.2 N 351 | 56.2 | 0 |
| 12/9/2022 1331 | 1.1 NE 46 | 56.3 | 0 |
| 12/9/2022 1330 | 2.2 NNE 25 | 56.4 | 0 |
| 12/9/2022 1329 | 2.7 NE 39 | 56.3 | 0 |
| 12/9/2022 1328 | 2.5 NE 45 | 56.3 | 0 |
| 12/9/2022 1327 | 1.7 NNE 13 | 56.4 | 0 |
| 12/9/2022 1326 | 2.1 N 359 | 56.5 | 0 |

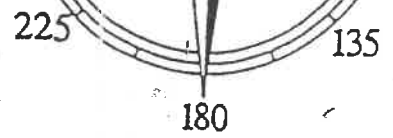
| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1325 | 1.7 N 359 | 56.6 | 0 |
| 12/9/2022 1324 | 2.3 NNE 17 | 56.8 | 0 |
| 12/9/2022 1323 | 2.1 N 359 | 56.9 | 0 |
| 12/9/2022 1322 | 1.6 N 359 | 57 | 0 |
| 12/9/2022 1321 | 0.7 NNW 344 | 57.1 | 0 |
| 12/9/2022 1320 | 1.5 N 4 | 57.2 | 0 |
| 12/9/2022 1319 | 1.5 NNE 32 | 57.4 | 0 |
| 12/9/2022 1318 | 2.9 NNE 27 | 57.5 | 0 |
| 12/9/2022 1317 | 3.2 NNE 19 | 57.6 | 0 |
| 12/9/2022 1316 | 3.9 NNE 29 | 57.7 | 0 |
| 12/9/2022 1315 | 2.9 NNE 24 | 57.8 | 0 |
| 12/9/2022 1314 | 2.4 NNE 17 | 57.9 | 0 |
| 12/9/2022 1313 | 2.2 NE 34 | 58 | 0 |
| 12/9/2022 1312 | 2.3 NNE 16 | 58.1 | 0 |
| 12/9/2022 1311 | 3.1 NNE 19 | 58.2 | 0 |
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| 12/9/2022 1308 | 2.8 NNE 26 | 58.4 | 0 |
| 12/9/2022 1307 | 3.7 NNE 12 | 58.4 | 0 |
| 12/9/2022 1306 | 3.1 NNE 13 | 58.5 | 0 |
| 12/9/2022 1305 | 3.6 NE 35 | 58.5 | 0 |
| 12/9/2022 1304 | 4.7 NNE 28 | 58.4 | 0 |
| 12/9/2022 1303 | 3.6 NNE 20 | 58.5 | 0 |
| 12/9/2022 1302 | 3.6 N 352 | 58.6 | 0 |
| 12/9/2022 1301 | 5.1 NNE 12 | 58.7 | 0 |
| 12/9/2022 1300 | 5.5 N 9 | 58.8 | 0 |
| 12/9/2022 1259 | 5.1 N 358 | 59 | 0 |
| 12/9/2022 1258 | 3 N 354 | 59.1 | 0 |
| 12/9/2022 1257 | 4.5 N 7 | 59.2 | 0 |
| 12/9/2022 1256 | 2.7 N 360 | 59.3 | 0 |
| 12/9/2022 1255 | 2.4 NNW 346 | 59.4 | 0 |
| 12/9/2022 1254 | 1.9 NNE 14 | 59.6 | 0 |
| 12/9/2022 1253 | 1.9 NE 35 | 59.7 | 0 |
| 12/9/2022 1252 | 2.3 N 356 | 59.9 | 0 |
| 12/9/2022 1251 | 2.8 N 6 | 60 | 0 |
| 12/9/2022 1250 | 3.3 NNW 348 | 60.2 | 0 |
| 12/9/2022 1249 | 3.3 N 355 | 60.3 | 0 |
| 12/9/2022 1248 | 3.3 NNE 23 | 60.3 | 0 |
| 12/9/2022 1247 | 2.7 NNE 33 | 60.3 | 0 |
| 12/9/2022 1246 | 2.7 N 356 | 60.4 | 0 |
| 12/9/2022 1245 | 1.6 NNE 14 | 60.5 | 0 |
| 12/9/2022 1244 | 3.4 N 354 | 60.6 | 0 |
| 12/9/2022 1243 | 3.5 NNW 348 | 60.6 | 0 |
| 12/9/2022 1242 | 3.7 N 351 | 60.7 | 0 |
| 12/9/2022 1241 | 3.1 NNW 337 | 60.8 | 0 |
| 12/9/2022 1240 | 1.9 NNW 330 | 60.8 | 0 |
| 12/9/2022 1239 | 1.1 N 5 | 60.8 | 0 |

| | | | |
|----------------|---------------|------|---|
| 12/9/2022 1238 | 1.3 NNE 15 | 60.8 | 0 |
| 12/9/2022 1237 | 3.5 NNE 20 | 60.7 | 0 |
| 12/9/2022 1236 | 4.8 NNE 12 | 60.5 | 0 |
| 12/9/2022 1235 | 4.8 N 3 | 60.4 | 0 |
| 12/9/2022 1234 | 3.7 N 10 | 60.3 | 0 |
| 12/9/2022 1233 | 3.1 NNE 30 | 60.2 | 0 |
| 12/9/2022 1232 | 3.5 N 10 | 60 | 0 |
| 12/9/2022 1231 | 2.7 N 11 | 60 | 0 |
| 12/9/2022 1230 | 4.4 N 2 | 59.9 | 0 |
| 12/9/2022 1229 | 4.2 NNW 346 | 59.8 | 0 |
| 12/9/2022 1228 | 3.9 N 355 | 59.7 | 0 |
| 12/9/2022 1227 | 3.8 N 352 | 59.6 | 0 |
| 12/9/2022 1226 | 3.1 N 11 | 59.4 | 0 |
| 12/9/2022 1225 | 5.7 N 3 | 59.2 | 0 |
| 12/9/2022 1224 | 5.8 NNE 15 | 58.8 | 0 |
| 12/9/2022 1223 | 5.7 NNE 13 | 58.5 | 0 |
| 12/9/2022 1222 | 3.8 N 1 | 58.3 | 0 |
| 12/9/2022 1221 | 2.4 N 2 | 58.2 | 0 |
| 12/9/2022 1220 | 3 N 7 | 58.1 | 0 |
| 12/9/2022 1219 | 2.4 N 358 | 58 | 0 |
| 12/9/2022 1218 | 2.1 N 11 | 58 | 0 |
| 12/9/2022 1217 | 4.2 NNW 348 | 58 | 0 |
| 12/9/2022 1216 | 5.4 N 1 | 57.8 | 0 |
| 12/9/2022 1215 | 2.7 N 10 | 57.7 | 0 |
| 12/9/2022 1214 | 2.6 NNE 13 | 57.6 | 0 |
| 12/9/2022 1213 | 1.6 NNE 24 | 57.6 | 0 |
| 12/9/2022 1212 | 1.4 NNE 20 | 57.6 | 0 |
| 12/9/2022 1211 | 3.4 NNE 21 | 57.6 | 0 |
| 12/9/2022 1210 | 4.7 N 11 | 57.6 | 0 |
| 12/9/2022 1209 | 4.6 NNE 13 | 57.5 | 0 |
| 12/9/2022 1208 | 3.5 NNE 30 | 57.4 | 0 |
| 12/9/2022 1207 | 3.8 NNE 13 | 57.3 | 0 |
| 12/9/2022 1206 | 4.1 N 356 | 57.3 | 0 |
| 12/9/2022 1205 | 4.9 N 4 | 57.2 | 0 |
| 12/9/2022 1204 | 4 N 356 | 57.2 | 0 |
| 12/9/2022 1203 | 4.3 NNW 332 | 57.2 | 0 |
| 12/9/2022 1202 | 3.3 NNW 332 | 57.2 | 0 |
| 12/9/2022 1201 | 4 NW 324 | 57.2 | 0 |
| 12/9/2022 1200 | 2.5 NNW 339 | 57.2 | 0 |

MRC Community Monitoring Results



Helio Park



4.1

4

Shell Chemical Plant
7-2

Main Office
4-2

Clubhouse

3

2

1

5

6

MARTINEZ CALIFORNIA

N. PEAK PL. E. 1/2

QAF-110 Community Sampling Logsheet

Wind Speed at site: 0.0 Approximate Wind Direction: no wind

Tape Lift Performed (Circle one): Yes / No Picture Taken (Circle one): Yes / No

Observations (sights, sounds, smells):

*No sights, smells, or sounds. No wind and very cold.
Went to 2 locations on the Pacheco side since it was at CCU
where the flaring happened*

Tube Quick Reference Table:

| Component | Gastech Tube # | # Pumps | Limit of Detection |
|------------------------|----------------|---------|---|
| Polytec (Screening) | 26 | 1 | 0.5 ppm NH3 0.5 ppm H2S 2 ppm SO2 2 ppm Gasoline |
| Hydrocarbon | 105 | 1 | 200 ppm Gasoline |
| SO2 | 5Lb | 2 | 0.2 ppm SO2 |
| H2S | 4LT | 1 | 0.2 ppm H2S |
| Amine | 180L | 1 | 0.3 ppm NH3 5 ppm DEA |
| H2SO4 | 35 | 5 | 0.5 mg/M3 H2SO4 |

Definitions:

ERPG1 – Emergency Response Planning Guide level 1: “the maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing more than mild, transient adverse health effects or without perceiving a clearly defined objectionable odor.” Inform EOC if >ERPG1.

LOD – limit of detection reported by the tube manufacturer for the number of pump strokes indicated:

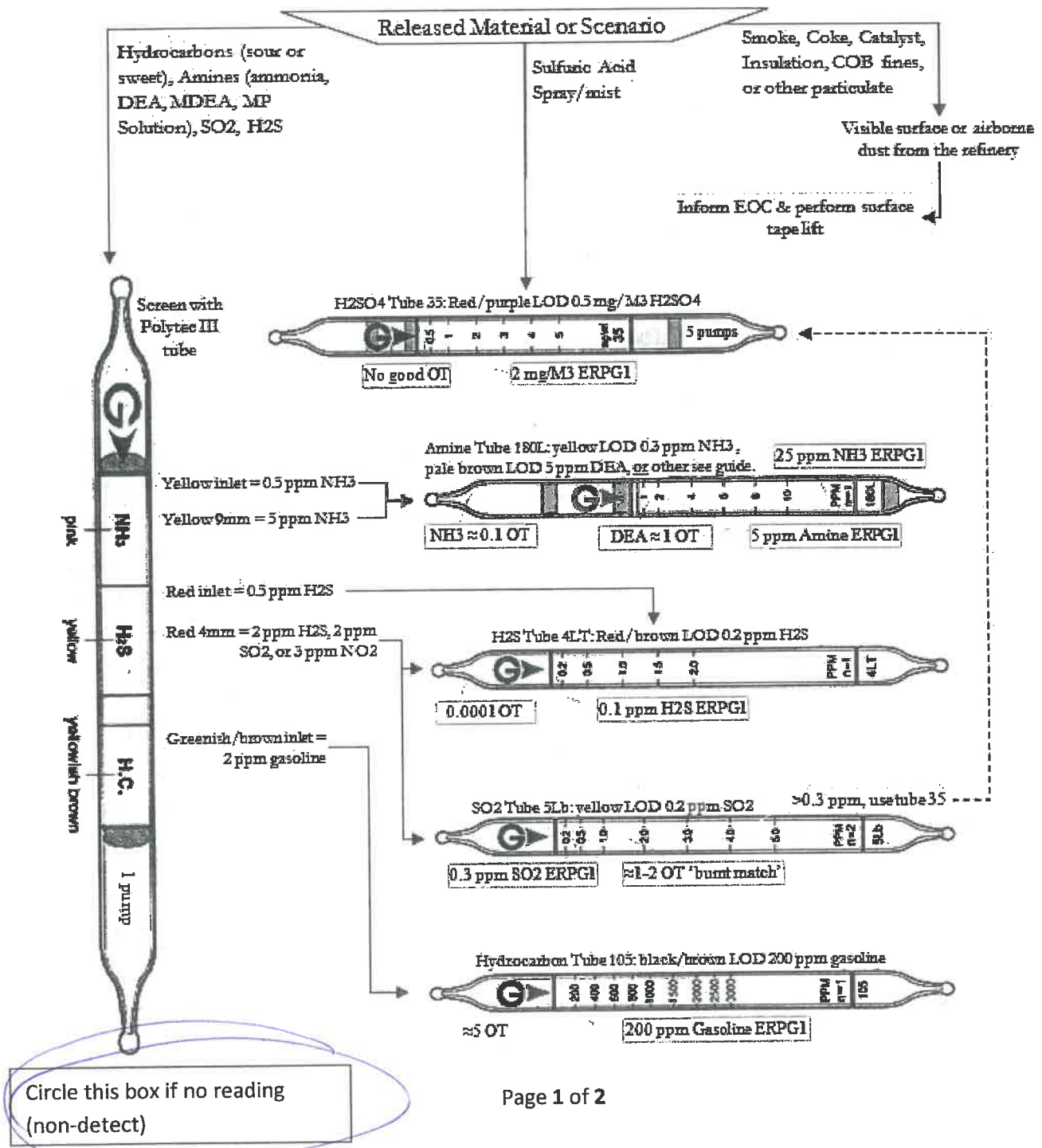
OT – ‘detection’ Odor Threshold; sense something is there but can’t identify what it is. If not available, then ‘recognition’ odor threshold is provided. Recognition is identifying the odor is that substance.

QAF-110 Community Sampling Logsheet

Instructions:

Fill one of these sheets out for every site that samples were taken or observations made. Follow the flow chart below to determine what detector tubes to use. If you get a reading on the tube, clearly indicate on the graphic below, where the reading was. If you do not get a reading, please circle the tube used and write "No Reading". Use page 2 to record observations. Return completed sheets to Community Sampling Team EOC Coordinator, QA Manager, or Environmental Manager.

Site # 2.1 Date: 12/9/22 Time: 1500-1700 Sampler Name (print): Kara McDonnell

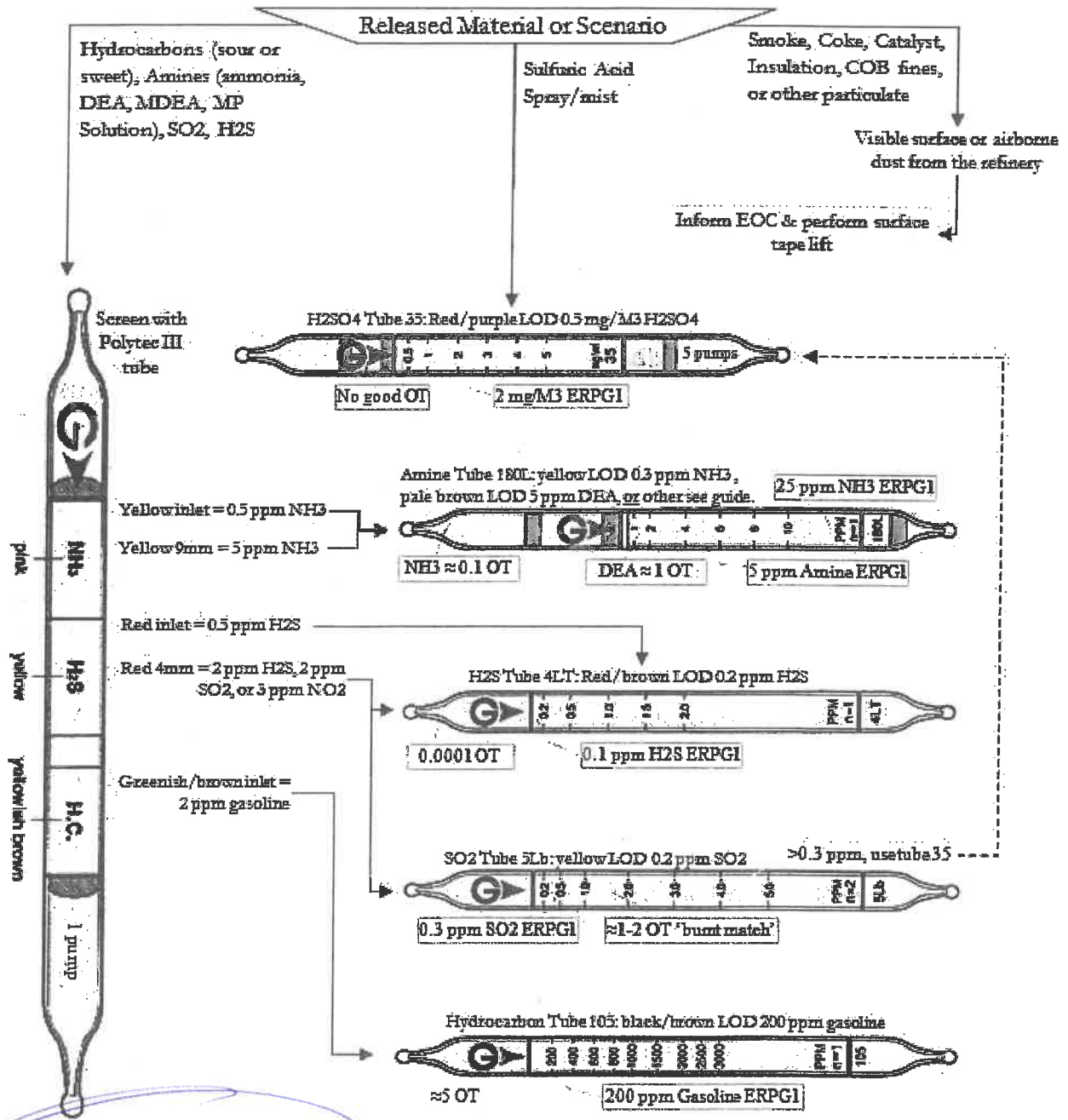


QAF-110 Community Sampling Logsheet

Instructions:

Fill one of these sheets out for every site that samples were taken or observations made. Follow the flow chart below to determine what detector tubes to use. If you get a reading on the tube, clearly indicate on the graphic below, where the reading was. If you do not get a reading, please circle the tube used and write "No Reading". Use page 2 to record observations. Return completed sheets to Community Sampling Team EOC Coordinator, QA Manager, or Environmental Manager.

Site # 4.2 Date: 12/9/22 Time: 1715 Sampler Name (print): Kara McDonnell



Circle this box if no reading (non-detect)

QAF-110 Community Sampling Logsheet

Wind Speed at site: 0.0 Approximate Wind Direction: none

Tape Lift Performed (Circle one): Yes / No Picture Taken (Circle one): Yes / No

Observations (sights, sounds, smells):

No sights, smells, or sounds

Tube Quick Reference Table:

| Component | Gastech Tube # | # Pumps | Limit of Detection |
|------------------------|----------------|---------|---|
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Definitions:

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