

US EPA ARCHIVE DOCUMENT

| | B | C |
|----|--------------------------------------|--|
| 1 | Source Description | |
| 2 | | |
| 3 | Phase II ID No. | 2022 |
| 4 | EPA ID No. | LAD008086506 |
| 5 | Facility Name | PPG Industries, Inc. |
| 6 | Facility Location | |
| 7 | City | Lake Charles |
| 8 | State | LA |
| 9 | Unit ID Name/No. | Unit No. 3 |
| 10 | Other Sister Facilities | None |
| 11 | Number of Sister Facilities | 0 |
| 12 | Combustor Class | HCl Production Furnace |
| 13 | Combustor Type | |
| 14 | Combustor Characteristics | John Zink side fired combustor capable of burning liquid hazardous waste, vent gases and auxiliary fuel. Also, designed to provide waste heat recovery as steam and acid recovery. |
| 15 | Capacity (MMBtu/hr) | 69 |
| 16 | Soot Blowing | None |
| 17 | APCS Detailed Acronym | WHB, WS |
| 18 | APCS General Class | WHB, LEWS |
| 19 | APCS Characteristics | Waste heat boiler, 2 stages of scrubber, primary (3 packed beds), secondary |
| 20 | Hazardous Wastes | Liq |
| 21 | Haz Waste Description | Light and heavy ends from chlorinated hydrocarbon production |
| 22 | Supplemental Fuel | Natural gas |
| 23 | | |
| 24 | Stack Characteristics | |
| 25 | Diameter (ft) | |
| 26 | Height (ft) | |
| 27 | Gas Velocity (ft/sec) | |
| 28 | Gas Temperature (°F) | |
| 29 | | |
| 30 | Permitting Status | Tier IA for all metals (metals stack gas measurements made for information purposes only), Tier III HCl/Cl2 |
| 31 | HWC Burn Status (Date if Terminated) | |

| | B | C |
|----|-------------------------|--|
| 1 | Cond Description | |
| 2 | | |
| 3 | 2022C1 | |
| 4 | | |
| 5 | Report Name/Date | Trial Burn Report for Incinerator Unit 1 and 2 and Number 3 HAF Unit, October 2001 |
| 6 | Report Prepare | ENSR Corporation |
| 7 | Testing Firm | ENSR International |
| 8 | Testing Dates | May 17-18, 2001 |
| 9 | Cond Dates | May-01 |
| 10 | Condition Descr | Trial burn, min comb temp |
| 11 | Content | POHC, PCDD/F, PM, HCl/Cl2 |
| 12 | | |
| 13 | 2022C2 | |
| 14 | | |
| 15 | Report Name/Date | Trial Burn Report for Incinerator Unit 1 and 2 and Number 3 HAF Unit, October 2001 |
| 16 | Report Prepare | ENSR Corporation |
| 17 | Testing Firm | ENSR International |
| 18 | Testing Dates | May 23, 2001 |
| 19 | Cond Dates | May-01 |
| 20 | Condition Descr | Trial burn, increased PCB feed rate |
| 21 | Content | POHC, PCDD/F, PM, HCl/Cl2 |
| 22 | | |
| 23 | 2022C3 | |
| 24 | | |
| 25 | Report Name/Date | Trial Burn Report for Incinerator Unit 1 and 2 and Number 3 HAF Unit, October 2001 |
| 26 | Report Prepare | ENSR Corporation |
| 27 | Testing Firm | ENSR International |
| 28 | Testing Dates | May 22, 2001 |
| 29 | Cond Dates | May-01 |
| 30 | Condition Descr | Normal comb temp |
| 31 | Content | POHC, PM, HCl/Cl2, PCDD/F, metals |
| 32 | | |
| 33 | 2022C4 | |
| 34 | | |
| 35 | Report Name/Date | Risk Burn Report for Incinerator Unit 1 and 2 and Number 3 HAF Unit, October 2001 |
| 36 | Report Prepare | ENSR Corporation |
| 37 | Testing Firm | ENSR International |
| 38 | Testing Dates | May 20-21, 2001 |
| 39 | Cond Dates | May-01 |
| 40 | Condition Descr | Risk burn, normal op cond, PCB containing material |
| 41 | Content | PCDD/F, metals |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|----|----------------------------|--|---------|-------|----|----------|---|----------|---|-------------|---|----------|
| 1 | Stack Gas Emissions | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | Comments | Units | 7% O2 | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | 2022C1 | Trial Burn | | | | R1 | | R2 | | R3 | | Cond Avg |
| 7 | | | | | | | | | | | | |
| 8 | PM | E1 | gr/dscf | y | | 0.0085 | | 0.0084 | | 0.0095 | | 0.0088 |
| 9 | CO (RA) | E1 | ppmv | y | | 0.48 | | 1.52 | | 0.94 | | 1.0 |
| 10 | CO (MHRA) | E1 | ppmv | y | | 3.43 | | 163.51 | | 3.12 | | 56.7 |
| 11 | NOx | E2 | ppmv | y | | 49 | | 49.4 | | 51.5 | | 50.0 |
| 12 | | | | | | | | | | | | |
| 13 | HCl | | ppmv | n | | 6.41 | | 9.49 | | 6.65 | | |
| 14 | Cl2 | | ppmv | n | | 10.16 | | 7.44 | | 10.55 | | |
| 15 | | | | | | | | | | | | |
| 16 | | had waste feedcutoff during run 2 due to high CO | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | POHC DRE | MCB | | | | | | | | | | |
| 19 | POHC Feedrate | | lb/hr | | | 311 | | 312 | | 306 | | |
| 20 | Emissions Rate | E2 | lb/hr | | | 3.26E-04 | | 8.20E-05 | | 1.25E-04 | | |
| 21 | DRE | E2 | % | | | 99.99994 | | 99.99997 | | 99.99996 | | |
| 22 | | | | | | | | | | | | |
| 23 | POHC DRE | PERC | | | | | | | | | | |
| 24 | POHC Feedrate | | lb/hr | | | 475 | | 473 | | 257 | | |
| 25 | Emissions Rate | E2 | lb/hr | | | 8.98E-05 | | 7.71E-05 | | 5.55E-05 | | |
| 26 | DRE | E2 | % | | nd | 99.99998 | | 99.99998 | | nd 99.99998 | | |
| 27 | | | | | | | | | | | | |
| 28 | Sampling Train | PM, HCl/Cl2 | E1 | | | | | | | | | |
| 29 | Stack Gas Flowrate | | dscfm | | | 12898 | | 12892 | | 12437 | | 12742 |
| 30 | O2 | | % | | | 9.15 | | 9.3 | | 9.33 | | 9.3 |
| 31 | Moisture | | % | | | 19.2 | | 19.7 | | 19.7 | | 19.50 |
| 32 | Temperature | | °F | | | 139 | | 140 | | 140 | | 140.00 |
| 33 | | | | | | | | | | | | |
| 34 | Sampling Train | DRE, NOx | E2 | | | | | | | | | |
| 35 | Stack Gas Flowrate | | dscfm | | | 14062 | | 13264 | | 13230 | | |
| 36 | O2 | | % | | | | | | | | | |
| 37 | Moisture | | % | | | | | | | | | |
| 38 | Temperature | | °F | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Sampling Train | PCDD/Fs | E3 | | | | | | | | | |
| 41 | Stack Gas Flowrate | | dscfm | | | 14062 | | 13264 | | 13230 | | |
| 42 | O2 | | % | | | 9.2 | | 9.3 | | 9.2 | | |
| 43 | Moisture | | % | | | 18.3 | | 19.2 | | 20.2 | | |
| 44 | Temperature | | °F | | | | | | | | | |
| 45 | | | | | | | | | | | | |
| 46 | HCl | E1 | ppmv | y | | 7.6 | | 11.4 | | 8.0 | | 9.0 |
| 47 | Cl2 | E1 | ppmv | y | | 12.0 | | 8.9 | | 12.7 | | 11.2 |
| 48 | Total Chlorine | E1 | ppmv | y | | 31.58 | | 29.16 | | 33.29 | | 31.3 |
| 49 | | | | | | | | | | | | |
| 50 | 2022C2 | Trial Burn | | | | R1 | | R2 | | R3 | | Cond Avg |
| 51 | | | | | | | | | | | | |
| 52 | PM | E1 | gr/dscf | y | | 0.0064 | | 0.0071 | | 0.0058 | | 0.0064 |
| 53 | CO (RA) | E1 | ppmv | y | | 1.12 | | 1.51 | | 1.21 | | 1.3 |
| 54 | CO (MHRA) | E1 | ppmv | y | | 3.91 | | 4.13 | | 3.42 | | 3.8 |
| 55 | NOx | E2 | ppmv | y | | 42.4 | | 43.8 | | 45.4 | | 43.9 |
| 56 | | | | | | | | | | | | |
| 57 | HCl | | ppmv | n | | 4.45 | | 3.49 | | 3.05 | | |
| 58 | Cl2 | | ppmv | n | | 8.91 | | 14.05 | | 8.1 | | |
| 59 | | | | | | | | | | | | |
| 60 | POHC DRE | MCB | | | | | | | | | | |
| 61 | POHC Feedrate | | lb/hr | | | 309 | | 309 | | 309 | | |
| 62 | Emissions Rate | E2 | lb/hr | | | 7.61E-05 | | 7.60E-05 | | 6.09E-05 | | |
| 63 | DRE | E2 | % | | | 99.99998 | | 99.99998 | | 99.99998 | | |
| 64 | | | | | | | | | | | | |
| 65 | POHC DRE | PERC | | | | | | | | | | |
| 66 | POHC Feedrate | | lb/hr | | | 772 | | 821 | | 745 | | |
| 67 | Emissions Rate | E2 | lb/hr | | | 4.68E-05 | | 4.35E-05 | | 4.44E-05 | | |
| 68 | DRE | E2 | % | | | 99.99999 | | 99.99999 | | 99.99999 | | |
| 69 | | | | | | | | | | | | |
| 70 | Sampling Train | PM, HCl/Cl2 | E1 | | | | | | | | | |
| 71 | Stack Gas Flowrate | | dscfm | | | 14162 | | 14294 | | 14171 | | 14209 |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|-----|--------------------|-------------------|---------|---|----|----------|----|----------|----|----------|---|----------|
| 72 | O2 | | % | | | 9.42 | | 9.43 | | 9.53 | | 9.5 |
| 73 | Moisture | | % | | | 17.3 | | 17.7 | | 18.7 | | 17.90 |
| 74 | Temperature | | °F | | | 135 | | 137 | | 138 | | 137.00 |
| 75 | | | | | | | | | | | | |
| 76 | Sampling Train | DRE, NOx | E2 | | | | | | | | | |
| 77 | Stack Gas Flowrate | | dscfm | | | 14033 | | 14455 | | 14045 | | |
| 78 | O2 | | % | | | | | | | | | |
| 79 | Moisture | | % | | | | | | | | | |
| 80 | Temperature | | °F | | | | | | | | | |
| 81 | | | | | | | | | | | | |
| 82 | Sampling Train | PCDD/Fs | E3 | | | | | | | | | |
| 83 | Stack Gas Flowrate | | dscfm | | | 14033 | | 14455 | | 14045 | | |
| 84 | O2 | | % | | | 9.4 | | 9.4 | | 9.5 | | |
| 85 | Moisture | | % | | | 18.2 | | 18 | | 18.6 | | |
| 86 | Temperature | | °F | | | | | | | | | |
| 87 | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | |
| 89 | HCl | E1 | ppmv | y | | 5.4 | | 4.2 | | 3.7 | | 4.4 |
| 90 | Cl2 | E1 | ppmv | y | | 10.8 | | 17.0 | | 9.9 | | 12.6 |
| 91 | Total Chlorine | E1 | ppmv | y | | 26.92 | | 38.22 | | 23.50 | | 29.5 |
| 92 | | | | | | | | | | | | |
| 93 | 2022C3 | Trial Burn | | | | R1 | | R2 | | R3 | | Cond Avg |
| 94 | | | | | | | | | | | | |
| 95 | PM | E1 | gr/dscf | y | | 0.0075 | | 0.0076 | | 0.0085 | | 0.0079 |
| 96 | CO (RA) | E1 | ppmv | y | | 1.09 | | 1.92 | | 1.36 | | 1.46 |
| 97 | CO (MHRA) | E1 | ppmv | y | | 3.75 | | 4.75 | | 3.66 | | 4.05 |
| 98 | NOx | E3 | ppmv | y | | 51.1 | | 51.2 | | 51.1 | | 51.13 |
| 99 | | | | | | | | | | | | |
| 100 | HCl | | ppmv | n | | 33.44 | | 4.53 | | 3.9 | | |
| 101 | Cl2 | | ppmv | n | | 14 | | 17.14 | | 17.69 | | 16 |
| 102 | | | | | | | | | | | | |
| 103 | POHC DRE | MCB | | | | | | | | | | |
| 104 | POHC Feedrate | | lb/hr | | | 308 | | 309 | | 307 | | |
| 105 | Emissions Rate | E3 | lb/hr | | | 2.65E-04 | nd | 9.77E-05 | | 1.69E-04 | | |
| 106 | DRE | E3 | % | | | 99.99991 | nd | 99.99997 | | 99.99994 | | |
| 107 | | | | | | | | | | | | |
| 108 | POHC DRE | PERC | | | | | | | | | | |
| 109 | POHC Feedrate | | lb/hr | | | 582 | | 595 | | 627 | | |
| 110 | Emissions Rate | E3 | lb/hr | | | 3.99E-05 | | 4.59E-05 | | 4.51E-05 | | |
| 111 | DRE | E3 | % | | | 99.99999 | | 99.99999 | | 99.99999 | | |
| 112 | | | | | | | | | | | | |
| 113 | Arsenic | | ug/dscm | n | nd | 0.18 | nd | 0.18 | nd | 0.18 | | |
| 114 | Beryllium | | ug/dscm | n | nd | 0.04 | nd | 0.04 | nd | 0.04 | | |
| 115 | Cadmium | | ug/dscm | n | | 0.14 | | 0.05 | | 0.14 | | |
| 116 | Chromium | | ug/dscm | n | | 4.55 | | 4.13 | | 3.7 | | |
| 117 | Mercury | | ug/dscm | n | nd | 0.37 | | 0.03 | nd | 0.42 | | |
| 118 | Antimony | | ug/dscm | n | nd | 0.18 | nd | 0.18 | nd | 0.18 | | |
| 119 | Barium | | ug/dscm | n | | 0.61 | | 0.4 | | 0.48 | | |
| 120 | Lead | | ug/dscm | n | | 0.36 | | 3.8 | | 0.41 | | |
| 121 | Silver | | ug/dscm | n | | 0.99 | | 0.02 | | 0.26 | | |
| 122 | Thallium | | ug/dscm | n | nd | 0.22 | nd | 0.22 | nd | 0.22 | | |
| 123 | Nickel | | ug/dscm | n | | 24.86 | | 20.14 | | 20.17 | | |
| 124 | Selenium | | ug/dscm | n | nd | 0.44 | nd | 0.44 | nd | 0.44 | | |
| 125 | | | | | | | | | | | | |
| 126 | | | | | | | | | | | | |
| 127 | Sampling Train | PM, HCl/Cl2 | E1 | | | | | | | | | |
| 128 | Stack Gas Flowrate | | dscfm | | | 13630 | | 13565 | | 13551 | | 13582 |
| 129 | O2 | | % | | | 8.35 | | 8.38 | | 8.39 | | 8.4 |
| 130 | Moisture | | % | | | 19.6 | | 19.6 | | 20.1 | | 19.80 |
| 131 | Temperature | | °F | | | 141 | | 141 | | 142 | | 141.00 |
| 132 | | | | | | | | | | | | |
| 133 | Sampling Train | Metals | E2 | | | | | | | | | |
| 134 | Stack Gas Flowrate | | dscfm | | | 13991 | | 13882 | | 13684 | | 13852 |
| 135 | O2 | | % | | | 8.35 | | 8.38 | | 8.39 | | 8.37 |
| 136 | Moisture | | % | | | 20.60 | | 20.6 | | 21.2 | | 20.8 |
| 137 | Temperature | | °F | | | 142 | | 143 | | 143 | | 143 |
| 138 | | | | | | | | | | | | |
| 139 | Sampling Train | DRE, NOx, TH E3 | | | | | | | | | | |
| 140 | Stack Gas Flowrate | | dscfm | | | 13751 | | 13552 | | 13400 | | |
| 141 | O2 | | % | | | | | | | | | |
| 142 | Moisture | | % | | | | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|-----|--------------------|------------------|---------|---|----|-----------|------|-----------|------|-----------|------|-----------------|
| 143 | Temperature | | °F | | | | | | | | | |
| 144 | | | | | | | | | | | | |
| 145 | Sampling Train | PCDD/Fs | E4 | | | | | | | | | |
| 146 | Stack Gas Flowrate | | dscfm | | | 13751 | | 13552 | | 13400 | | |
| 147 | O2 | | % | | | 8.4 | | 8.4 | | 8.4 | | |
| 148 | Moisture | | % | | | 18.8 | | 19.4 | | 19.9 | | |
| 149 | Temperature | | °F | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 151 | HCl | E1 | ppmv | y | | 37.0 | | 5.0 | | 4.3 | | 15.45 |
| 152 | Cl2 | E1 | ppmv | y | | 15.5 | | 19.0 | | 19.6 | | 18.05 |
| 153 | Total Chlorine | E1 | ppmv | y | | 68.00 | | 43.05 | | 43.61 | | 51.55 |
| 154 | | | | | | | | | | | | |
| 155 | Arsenic | E2 | ug/dscm | y | | 0.20 | | 0.20 | | 0.20 | | 0.20 |
| 156 | Beryllium | E2 | ug/dscm | y | nd | 0.04 | nd | 0.04 | nd | 0.04 | 100 | 0.04 |
| 157 | Cadmium | E2 | ug/dscm | y | nd | 0.15 | nd | 0.06 | nd | 0.16 | 100 | 0.12 |
| 158 | Chromium | E2 | ug/dscm | y | | 5.04 | | 4.58 | | 4.11 | | 4.58 |
| 159 | Mercury | E2 | ug/dscm | y | | 0.41 | | 0.03 | | 0.47 | | 0.30 |
| 160 | Antimony | E2 | ug/dscm | y | nd | 0.20 | nd | 0.20 | nd | 0.20 | 100 | 0.20 |
| 161 | Barium | E2 | ug/dscm | y | | 0.68 | | 0.44 | | 0.53 | | 0.55 |
| 162 | Lead | E2 | ug/dscm | y | | 0.40 | nd | 4.22 | nd | 0.46 | 92.1 | 1.69 |
| 163 | Silver | E2 | ug/dscm | y | nd | 1.10 | nd | 0.02 | nd | 0.29 | 100 | 0.47 |
| 164 | Thallium | E2 | ug/dscm | y | | 0.24 | | 0.24 | | 0.24 | | 0.24 |
| 165 | Nickel | E2 | ug/dscm | y | nd | 27.51 | nd | 22.34 | nd | 22.39 | 100 | 24.08 |
| 166 | Selenium | E2 | ug/dscm | y | | 0.49 | nd | 0.49 | nd | 0.49 | | 0.49 |
| 167 | SVM | E2 | ug/dscm | y | 28 | 0.55 | 100 | 4.27 | 100 | 0.61 | 92.7 | 1.81 |
| 168 | LVM | E2 | ug/dscm | y | 1 | 5.28 | 0.92 | 4.83 | 1.02 | 4.35 | 1 | 4.82 |
| 169 | | | | | | | | | | | | |
| 170 | 2022C4 | Risk burn | | | | R1 | | R2 | | R3 | | Cond Avg |
| 171 | | | | | | | | | | | | |
| 172 | CO (RA) | E1 | ppmv | y | | 0.75 | | 1.38 | | 0.54 | | 0.89 |
| 173 | CO (MHRA) | E1 | ppmv | y | | 2.3 | | 3.67 | | 3.93 | | 3.30 |
| 174 | NOx | E3 | ppmv | y | | 42.7 | | 42 | | 41.4 | | 42.03 |
| 175 | | | | | | | | | | | | |
| 176 | Arsenic | | ug/dscm | n | | 0.68 | | 0.59 | | 0.25 | | |
| 177 | Beryllium | | ug/dscm | n | | 0.05 | | 0.05 | | 0.05 | | |
| 178 | Cadmium | | ug/dscm | n | | 0.78 | | 0.63 | | 0.25 | | |
| 179 | Chromium | | ug/dscm | n | | 3.09 | | 3.37 | | 1.8 | | |
| 180 | Mercury | | ug/dscm | n | | 0.08 | | 0.13 | | 0.41 | | |
| 181 | Antimony | | ug/dscm | n | | 0.21 | | 0.27 | | 0.2 | | |
| 182 | Barium | | ug/dscm | n | | 1.94 | | 1.47 | | 1.02 | | |
| 183 | Lead | | ug/dscm | n | | 1.42 | | 1.52 | | 0.5 | | |
| 184 | Silver | | ug/dscm | n | | 0.3 | | 0.08 | | 0.16 | | |
| 185 | Thallium | | ug/dscm | n | | 0.26 | | 0.24 | | 0.24 | | |
| 186 | Nickel | | ug/dscm | n | | 19.25 | | 118.46 | | 15.02 | | |
| 187 | Selenium | | ug/dscm | n | | 0.63 | | 0.49 | | 0.49 | | |
| 188 | Chromium (Hex) | | ug/dscm | n | | | | | | | | |
| 189 | | | | | | | | | | | | |
| 190 | Sampling Train | Metals | E1 | | | | | | | | | |
| 191 | Stack Gas Flowrate | | dscfm | | | 12055 | | 12899 | | 12789 | | 12581.00 |
| 192 | O2 | | % | | | 7 | | 6.5 | | 6.4 | | 6.63 |
| 193 | Moisture | | % | | | 18.3 | | 18.8 | | 17.8 | | 18.30 |
| 194 | Temperature | | °F | | | 137 | | 138 | | 137 | | 137.00 |
| 195 | | | | | | | | | | | | |
| 196 | Sampling Train | Cr+6 | E2 | | | | | | | | | |
| 197 | Stack Gas Flowrate | | dscfm | | | 12667 | | 12586 | | 13501 | | 12918.00 |
| 198 | O2 | | % | | | 8.54 | | 8.5 | | 8.43 | | 8.49 |
| 199 | Moisture | | % | | | 19.3 | | 17.1 | | 17.5 | | 17.90 |
| 200 | Temperature | | °F | | | 135 | | 136 | | 136 | | 136.00 |
| 201 | | | | | | | | | | | | |
| 202 | Sampling Train | PCDD/Fs, NO | E3 | | | | | | | | | |
| 203 | Stack Gas Flowrate | | dscfm | | | 12979 | | 13115 | | 13017 | | |
| 204 | O2 | | % | | | 8.5 | | 8.5 | | 8.4 | | |
| 205 | Moisture | | % | | | 17 | | 17 | | 17.3 | | |
| 206 | Temperature | | °F | | | | | | | | | |
| 207 | | | | | | | | | | | | |
| 208 | Arsenic | E1 | ug/dscm | y | | 0.68 | | 0.57 | | 0.24 | | 0.50 |
| 209 | Beryllium | E1 | ug/dscm | y | nd | 0.05 | nd | 0.05 | nd | 0.05 | 100 | 0.05 |
| 210 | Cadmium | E1 | ug/dscm | y | | 0.78 | | 0.61 | | 0.24 | | 0.54 |
| 211 | Chromium | E1 | ug/dscm | y | | 3.09 | | 3.25 | | 1.73 | | 2.69 |
| 212 | Mercury | E1 | ug/dscm | y | | 0.08 | | 0.13 | nd | 0.39 | 65.7 | 0.20 |
| 213 | Antimony | E1 | ug/dscm | y | nd | 0.21 | nd | 0.26 | nd | 0.19 | 100 | 0.22 |

| | B | C | D | E | F | G | H | I | J | K | L | M |
|-----|----------|----|---------|---|------|-------|------|--------|------|-------|------|-------|
| 214 | Barium | E1 | ug/dscm | y | | 1.94 | | 1.42 | | 0.98 | | 1.45 |
| 215 | Lead | E1 | ug/dscm | y | | 1.42 | | 1.47 | | 0.48 | | 1.12 |
| 216 | Silver | E1 | ug/dscm | y | | 0.30 | | 0.08 | nd | 0.15 | 28.9 | 0.18 |
| 217 | Thallium | E1 | ug/dscm | y | nd | 0.26 | nd | 0.23 | nd | 0.23 | 100 | 0.24 |
| 218 | Nickel | E1 | ug/dscm | y | | 19.25 | | 114.38 | | 14.40 | | 49.34 |
| 219 | Selenium | E1 | ug/dscm | y | | 0.63 | nd | 0.47 | nd | 0.47 | 59.9 | 0.52 |
| 220 | | | | | | | | | | | | |
| 221 | SVM | E1 | ug/dscm | | | 2.20 | | 2.08 | | 0.72 | 0 | 1.67 |
| 222 | LVM | E1 | ug/dscm | | 1.31 | 3.82 | 1.25 | 3.87 | 2.38 | 2.01 | 1.51 | 3.24 |

| | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----|-----------------------------------|-------------------|-----------|----------|-------|-------|----|---------|----------|----------|------------|----|----------|
| 1 | Feedrate Calculations | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | 2022C1 | Trial burn | | | | | | | | | | | |
| 5 | Feedstream Number | | | | | | | | | | | | |
| 6 | Feed Class | F1 | Liq HW | Cond Avg | F2 | Spike | F3 | NG | Cond Avg | F4 | Misc. Fuel | F5 | Total |
| 7 | Feed Class 2 | | HW | | Spike | | MF | | | | | | Total |
| 8 | Feedstream Description | | Liq waste | | Spike | | | Nat Gas | | Vent Gas | | | Total |
| 9 | Feed Rate | | 8.35 | | | | | | 9900 | | 70600 | | |
| 10 | Feed Rate | gpm | | | | | | | | | | | |
| 11 | Feed Rate | scfh | | | | | | | | | | | |
| 12 | Viscosity | | 5.00 | | | | | | | | | | |
| 13 | Heating Value | | 4550.0 | | | | | | | | | | |
| 14 | Heating Value | | 60.0 | | | | | | 1000 | | | | |
| 15 | Density | lb/c ? | | | | | | | | | | | |
| 16 | Density | lb/hr | | | | | | | | | | | |
| 17 | MCB | lb/hr | | | | | | | | | | | |
| 18 | Ash | % wt | 0.03 | | | | | | | | | | |
| 19 | Chlorine | lb/hr | 8100 | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 21 | Stack Gas Flowrate | | 12742 | | | | | | | | | | |
| 22 | Oxygen | % | 9.3 | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| 24 | Thermal Feedrate | MMBtu/hr | | | | | | | | | | | 28.9 |
| 25 | Estimated Firing Rate | MMBtu/hr | 19.0 | | | | | | 9.9 | | | | 47.5 |
| 26 | | | | | | | | | | | | | |
| 27 | <i>Feedrate MTEC Calculations</i> | | | | | | | | | | | | |
| 28 | Ash | mg/dscm | 31.37 | | | | | | | | | | 31.37 |
| 29 | Chlorine | ug/dscm | 2.03E+08 | | | | | | | | | | 2.03E+08 |
| 30 | | | | | | | | | | | | | |
| 31 | 2022C2 | Trial burn | | | | | | | | | | | |
| 32 | Feedstream Number | | | | | | | | | | | | |
| 33 | Feed Class | F1 | Liq HW | Cond Avg | F2 | Spike | F3 | NG | Cond Avg | F4 | Misc. Fuel | F5 | Total |
| 34 | Feed Class 2 | | HW | | Spike | | MF | | | | | | Total |
| 35 | Feedstream Description | | Liq waste | | Spike | | | Nat Gas | | Vent Gas | | | Total |
| 36 | Feed Rate | | 10.9 | | | | | | 766.7 | | 37000 | | |
| 37 | Feed Rate | gpm | | | | | | | | | | | |
| 38 | Feed Rate | scfh | | | | | | | | | | | |
| 39 | Viscosity | | 3.92 | | | | | | | | | | |
| 40 | Heating Value | | 9260.0 | | | | | | | | | | |
| 41 | Heating Value | | 85.0 | | | | | | 1000 | | | | |
| 42 | Density | lb/c ? | | | | | | | | | | | |
| 43 | MCB | lb/hr | | | | | | | | | | | |
| 44 | Ash | % wt | 0.02 | | | | | | | | | | |
| 45 | Chlorine | lb/hr | 5800 | | | | | | | | | | |
| 46 | | | | | | | | | | | | | |
| 47 | Stack Gas Flowrate | | 14209 | | | | | | | | | | |
| 48 | Oxygen | % | 9.5 | | | | | | | | | | |
| 49 | | | | | | | | | | | | | |
| 50 | Thermal Feedrate | MMBtu/hr | | | | | | | | | | | 51.3 |
| 51 | Estimated Firing Rate | MMBtu/hr | 50.6 | | | | | | 0.8 | | | | 52.1 |
| 52 | | | | | | | | | | | | | |
| 53 | <i>Feedrate MTEC Calculations</i> | | | | | | | | | | | | |
| 54 | Ash | mg/dscm | 24.93 | | | | | | | | | | 24.9 |
| 55 | Chlorine | ug/dscm | 1.32E+08 | | | | | | | | | | 1.32E+08 |
| 56 | | | | | | | | | | | | | |
| 57 | 2022C3 | Trial burn | | | | | | | | | | | |
| 58 | Feedstream Number | | | | | | | | | | | | |
| 59 | Feed Class | F1 | Liq HW | Cond Avg | F2 | Spike | F3 | NG | Cond Avg | F4 | Misc. Fuel | F5 | Total |
| 60 | | | | | | | | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M | N | Total |
|-----|----------------------------|---|-----------|-----|-----------|-------|-----|---|-------|---|---|-----|---|----------|
| 61 | Feed Class 2 | | | | | | | | | | | | | Total |
| 62 | Feedstream Description | | | | HW | Spike | | | | | | | | Total |
| 63 | Feed Rate | | | | Liq waste | | | | | | | | | |
| 64 | Feed Rate | | gpm | | 8.3 | | | | | | | | | |
| 65 | Viscosity | | scfh | | | | | | | | | | | |
| 66 | Heating Value | | cps | | 4.1 | | | | | | | | | |
| 67 | Heating Value | | Btu/lb | | 4056.7 | | | | | | | | | |
| 68 | Density | | Btu/cf | | | | | | | | | | | |
| 69 | MCB | | lb/c ? | | 77.0 | | | | | | | | | |
| 70 | Ash | | lb/hr | | | | 300 | | | | | | | |
| 71 | Chlorine | | % wt | | 0.03 | | | | | | | | | |
| 72 | Antimony | | lb/hr | | 8400.0 | | | | | | | | | |
| 73 | Arsenic | | mg/kg | nd | 0.19 | | | | | | | | | |
| 74 | Barium | | mg/kg | | 0.30 | | | | | | | | | |
| 75 | Beryllium | | mg/kg | | 0.06 | | | | | | | | | |
| 76 | Cadmium | | mg/kg | nd | 0.03 | | | | | | | | | |
| 77 | Chromium | | mg/kg | nd | 0.09 | | | | | | | | | |
| 78 | Lead | | mg/kg | | 0.43 | | | | | | | | | |
| 79 | Mercury | | mg/kg | | 0.44 | | | | | | | | | |
| 80 | Nickel | | mg/kg | | 1.00 | | | | | | | | | |
| 81 | Selenium | | mg/kg | nd | 1.28 | | | | | | | | | |
| 82 | Silver | | mg/kg | nd | 0.34 | | | | | | | | | |
| 83 | Thallium | | mg/kg | nd | 0.08 | | | | | | | | | |
| 84 | Chromium (Hex) | | mg/kg | nd | 1.00 | | | | | | | | | |
| 85 | | | mg/kg | nd | 0.20 | | | | | | | | | |
| 86 | Stack Gas Flowrate | | dscfm | | 13852 | | | | | | | | | |
| 87 | Oxygen | | % | | 8.37 | | | | | | | | | |
| 88 | | | | | | | | | | | | | | |
| 89 | Thermal Feedrate | | MMBtu/hr | | 16.89 | | | | | | | | | 34.2 |
| 90 | Estimated Firing Rate | | MMBtu/hr | | | | | | 17.31 | | | | | 55.5 |
| 91 | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | |
| 93 | Feedrate MTEC Calculations | | | | | | | | | | | | | |
| 94 | Ash | | mg/dscm | | 29.40 | | | | | | | | | 29.40 |
| 95 | Chlorine | | ug/dscm | | 1.80E+08 | | | | | | | | | 1.80E+08 |
| 96 | Antimony | | ug/dscm | 100 | 0.09 | | | | | | | 100 | | 0.09 |
| 97 | Arsenic | | ug/dscm | | 0.14 | | | | | | | | | 0.14 |
| 98 | Barium | | ug/dscm | | 0.03 | | | | | | | | | 0.03 |
| 99 | Beryllium | | ug/dscm | 100 | 0.01 | | | | | | | 100 | | 0.01 |
| 100 | Cadmium | | ug/dscm | 100 | 0.04 | | | | | | | 100 | | 0.04 |
| 101 | Chromium | | ug/dscm | 100 | 0.19 | | | | | | | 100 | | 0.19 |
| 102 | Lead | | ug/dscm | | 0.20 | | | | | | | | | 0.20 |
| 103 | Mercury | | ug/dscm | | 0.45 | | | | | | | | | 0.45 |
| 104 | Nickel | | ug/dscm | | 0.58 | | | | | | | | | 0.58 |
| 105 | Selenium | | ug/dscm | 100 | 0.15 | | | | | | | 100 | | 0.15 |
| 106 | Silver | | ug/dscm | 100 | 0.04 | | | | | | | 100 | | 0.04 |
| 107 | Thallium | | ug/dscm | 100 | 0.45 | | | | | | | 100 | | 0.45 |
| 108 | Chromium (Hex) | | ug/dscm | 100 | 0.09 | | | | | | | 100 | | 0.09 |
| 109 | SVM | | ug/dscm | | 0.2 | | | | | | | | | 0.24 |
| 110 | LVM | | ug/dscm | | 0.34 | | | | | | | | | 0.34 |
| 111 | | | | | | | | | | | | | | |
| 112 | | | | | | | | | | | | | | |
| 113 | 2022C4 | | | | | | | | | | | | | |
| 114 | | | | | | | | | | | | | | |
| 115 | Feedstream Number | | | | | | | | | | | | | |
| 116 | Feed Class | | F1 | | Cond Avg | F2 | | | | | | | | |
| 117 | Feed Class 2 | | Liq HW | | HW | NG | | | | | | | | |
| 118 | Feedstream Description | | Liq waste | | Liq waste | MF | | | | | | | | |
| 119 | Feed Rate | | gpm | | 5.2 | | | | | | | | | |
| 120 | Feed Rate | | scfh | | 56000 | | | | | | | | | |

| | B | C | D | E | F | G | H | I | J | K | L | M | N |
|-----|--------------------|---|----------|---|----------|---|------|---|---|---|---|---|----------|
| 121 | Heating Value | | Btu/cf | | | | 1000 | | | | | | |
| 122 | Thermal Feedrate | | MMBtu/hr | | | | 15 | | | | | | 15 |
| 123 | Chlorine | | lb/hr | | 3500.0 | | | | | | | | |
| 124 | | | | | | | | | | | | | |
| 125 | Stack Gas Flowrate | | dscfm | | 12581.00 | | | | | | | | |
| 126 | Oxygen | | % | | 6.63 | | | | | | | | |
| 127 | | | | | | | | | | | | | |
| 128 | Chlorine | | ug/dscm | | 7.25E+07 | | | | | | | | 7.25E+07 |

| | B | C | D | E | F |
|----|-----------------------------|------------|----------|--------|--------|
| 1 | Process Information | | | | |
| 2 | | | Run1 | Run 2 | Run3 |
| 3 | 2022C1 | Trial burn | | | |
| 4 | | | | | |
| 5 | Combustion Chamber Temp. | °F | 2126 | 2121 | 2125 |
| 6 | Air Flow | scfh | 831214 | 808168 | 807589 |
| 7 | Secondary Scrubber Flow | gpm | 288.43 | 293.45 | 291.75 |
| 8 | Secondary Scrubber pH | pH | 8.89 | 8.88 | 8.9 |
| 9 | Secondary Scrubber Blowdown | gpm | 60.74 | 73.3 | 71.27 |
| 10 | | | | | |
| 11 | 2022C2 | Trial burn | | | |
| 12 | | | | | |
| 13 | Combustion Chamber Temp. | °F | 23332.0 | 2344 | 2324 |
| 14 | Air Flow | scfh | 895038.0 | 898531 | 900618 |
| 15 | Secondary Scrubber Flow | gpm | 286.89 | 283.12 | 282.68 |
| 16 | Secondary Scrubber pH | pH | 8.89 | 8.9 | 8.91 |
| 17 | Secondary Scrubber Blowdown | gpm | 73.15 | 73.5 | 70.74 |
| 18 | | | | | |
| 19 | 2022C3 | Trial burn | | | |
| 20 | | | | | |
| 21 | Combustion Chamber Temp. | °F | 2288 | 2289 | 2290 |
| 22 | Air Flow | scfh | 841346 | 841535 | 840900 |
| 23 | Secondary Scrubber Flow | gpm | 284.36 | 281.01 | 277.24 |
| 24 | Secondary Scrubber pH | pH | 8.9 | 8.9 | 8.91 |
| 25 | Secondary Scrubber Blowdown | gpm | 66.29 | 67.92 | 66.84 |
| 26 | | | | | |
| 27 | 2022C4 | Risk burn | | | |
| 28 | | | | | |
| 29 | Combustion Chamber Temp. | °F | 2320 | 2321 | 2312 |
| 30 | Air Flow | scfh | 800479 | 798406 | 801755 |
| 31 | Secondary Scrubber Flow | gpm | 275.4 | 276.57 | 271.39 |
| 32 | Secondary Scrubber pH | pH | 8.9 | 8.9 | 8.89 |
| 33 | Secondary Scrubber Blowdown | gpm | 48.75 | 52.59 | 45.97 |

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| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|----|--------------------------------|----------------------------------|----|---------|--------|---------|---------|----------|---------|----------|----------|---------|---|----------|---------|----------|--------|
| 1 | PCDD/PCDF | | | | | | | | | | | | | | | | |
| 2 | N | | | | | | | | | | | | | | | | |
| 3 | Facility Name and ID: | PPG Industries, Lake Charles, LA | | | | | | | | | | | | | | | |
| 4 | Condition ID: | 2022C1 | | | | | | | | | | | | | | | |
| 5 | Condition/Test Date: | Trial burn, min comb temp | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | I-TEF | | | | | | | | | | | | | | | |
| 8 | | Wght Fact | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | Detected in sample volume (pg) | | | | | | | | | | | | | | | | |
| 11 | 2,3,7,8-TCDD | 1 | nd | 3.8 | 3.8 | 1.9 | 1.9 nd | 4.1 | 4.1 | 4.1 | 2.1 | 2.1 nd | | 4.2 | 4.2 | 2.1 | 2.1 |
| 12 | Total TCDD | 0 | nd | 3.8 | 0.0 | 1.9 | 0.0 nd | 4 | 0.0 | 0.0 | 2.1 | 0.0 nd | | 4.2 | 0.0 | 2.1 | 0.0 |
| 13 | 1,2,3,7,8-PCDD | 0.5 | nd | 5.8 | 2.9 | 2.9 | 1.5 nd | 6.8 | 3.4 | 3.4 | 3.4 | 1.7 nd | | 8.6 | 4.3 | 4.3 | 2.2 |
| 14 | Total PCDD | 0 | nd | 5.8 | 0.0 | 2.9 | 0.0 nd | 6.8 | 0.0 | 0.0 | 3.4 | 0.0 nd | | 30.5 | 0.0 | 15.3 | 0.0 |
| 15 | 1,2,3,4,7,8-HxCDD | 0.1 | nd | 12.1 | 1.2 | 6.1 | 0.6 nd | 10.6 | 1.1 | 1.1 | 5.3 | 0.5 nd | | 10.8 | 1.1 | 5.3 | 0.5 |
| 16 | 1,2,3,6,7,8-HxCDD | 0.1 | nd | 13.1 | 1.3 | 6.6 | 0.7 nd | 11.5 | 1.2 | 1.2 | 5.8 | 0.6 nd | | 11.7 | 1.2 | 5.9 | 0.6 |
| 17 | 1,2,3,7,8,9-HxCDD | 0.1 | nd | 11.8 | 1.2 | 5.9 | 0.6 nd | 10.4 | 1.0 | 1.0 | 5.2 | 0.5 nd | | 575.8 | 57.6 | 287.9 | 28.8 |
| 18 | Total HxCDD | 0 | nd | 12.3 | 0.0 | 6.2 | 0.0 nd | 10.8 | 0.0 | 0.0 | 5.4 | 0.0 nd | | 11.0 | 0.0 | 5.5 | 0.0 |
| 19 | 1,2,3,4,6,7,8-HpCDD | 0.01 | | 36.9 | 0.4 | 36.9 | 0.4 | 32.9 | 0.3 | 0.3 | 32.9 | 0.3 | | 32.4 | 0.3 | 32.4 | 0.3 |
| 20 | Total HpCDD | 0 | | 63.3 | 0.0 | 63.3 | 0.0 | 46.1 | 0.0 | 0.0 | 46.1 | 0.0 | | 51.8 | 0.0 | 51.8 | 0.0 |
| 21 | OCDD | 0.001 | | 202.0 | 0.2 | 202.0 | 0.2 | 222 | 0.2 | 0.2 | 222.0 | 0.2 | | 167.0 | 0.2 | 167.0 | 0.2 |
| 22 | 2,3,7,8-TCDF | 0.1 | | 71.0 | 7.1 | 71.0 | 7.1 | 118 | 11.8 | 11.8 | 118.0 | 11.8 | | 165.0 | 16.5 | 165.0 | 16.5 |
| 23 | Total TCDF | 0 | | 393.0 | 0.0 | 393.0 | 0.0 | 568 | 0.0 | 0.0 | 568.0 | 0.0 | | 738.0 | 0.0 | 738.0 | 0.0 |
| 24 | 1,2,3,7,8-PCDF | 0.05 | | 49.0 | 2.5 | 49.0 | 2.5 | 85 | 4.3 | 4.3 | 85.0 | 4.3 | | 106.0 | 5.3 | 106.0 | 5.3 |
| 25 | 2,3,4,7,8-PCDF | 0.5 | | 27.0 | 13.5 | 27.0 | 13.5 | 48 | 24.0 | 24.0 | 48.0 | 24.0 | | 60.0 | 30.0 | 60.0 | 30.0 |
| 26 | Total PCDF | 0 | | 330.0 | 0.0 | 330.0 | 0.0 | 566 | 0.0 | 0.0 | 566.0 | 0.0 | | 691.0 | 0.0 | 691.0 | 0.0 |
| 27 | 1,2,3,4,7,8-HxCDF | 0.1 | | 250.0 | 25.0 | 250.0 | 25.0 | 607 | 60.7 | 60.7 | 607.0 | 60.7 | | 636.0 | 63.6 | 636.0 | 63.6 |
| 28 | 1,2,3,6,7,8-HxCDF | 0.1 | | 76.0 | 7.6 | 76.0 | 7.6 | 145 | 14.5 | 14.5 | 145.0 | 14.5 | | 142.0 | 14.2 | 142.0 | 14.2 |
| 29 | 2,3,4,6,7,8-HxCDF | 0.1 | | 32.0 | 3.2 | 32.0 | 3.2 | 53 | 5.3 | 5.3 | 53.0 | 5.3 | | 61.0 | 6.1 | 61.0 | 6.1 |
| 30 | 1,2,3,7,8,9-HxCDF | 0.1 | | 34.0 | 3.4 | 34.0 | 3.4 | 76 | 7.6 | 7.6 | 76.0 | 7.6 | | 76.0 | 7.6 | 76.0 | 7.6 |
| 31 | Total HxCDF | 0 | | 749.0 | 0.0 | 749.0 | 0.0 | 1580 | 0.0 | 0.0 | 1580.0 | 0.0 | | 1602.0 | 0.0 | 1602.0 | 0.0 |
| 32 | 1,2,3,4,6,7,8-HpCDF | 0.01 | | 949.0 | 9.5 | 949.0 | 9.5 | 2480 | 24.8 | 24.8 | 2480.0 | 24.8 | | 1812.0 | 18.1 | 1812.0 | 18.1 |
| 33 | 1,2,3,4,7,8,9-HpCDF | 0.01 | | 248.0 | 2.5 | 248.0 | 2.5 | 816 | 8.2 | 8.2 | 816.0 | 8.2 | | 555.0 | 5.6 | 555.0 | 5.6 |
| 34 | Total HpCDF | 0 | | 1800.0 | 0.0 | 1800.0 | 0.0 | 5580 | 0.0 | 0.0 | 5580.0 | 0.0 | | 3936.0 | 0.0 | 3936.0 | 0.0 |
| 35 | OCDF | 0.001 | | 6940.0 | 6.9 | 6940.0 | 6.9 | 24770 | 24.8 | 24.8 | 24770.0 | 24.8 | | 14480.0 | 14.5 | 14480.0 | 14.5 |
| 36 | | | | | | | | | | | | | | | | | |
| 37 | Gas sample volume (dscf) | | | 123.03 | 9.20 | 123.03 | 123.03 | 116.37 | 116.37 | 116.37 | 116.37 | 116.37 | | 113.52 | 113.52 | 113.52 | 113.52 |
| 38 | O2 (%) | | | 92.1310 | 0.0314 | 92.1310 | 86.9310 | 197.1810 | 33343.0 | 191.8060 | 250.2710 | 21688.7 | | 250.2710 | 21688.7 | 216.1060 | 0.0795 |
| 39 | PCDD/PCDF (pg in sample) | | | 10488.3 | 3.57 | 10488.3 | 86.9310 | 0.0716 | 12.12 | 0.0697 | 27.3 | | | 7.98 | 0.0795 | | |
| 40 | PCDD/PCDF (ng/dscm @ 7% O2) | | | 11.3 | | 11.3 | 0.0296 | 5.5 | | | | | | | | | |
| 41 | TEQ Cond Avg | | | 0.060 | | 0.060 | | | | | | | | | | | |
| 42 | Total Cond Avg | | | 7.89 | | 7.89 | | | | | | | | | | | |

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| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|----|--------------------------------|-------------------------------------|----|----------|--------|---------|----------|----------|--------|---------|----------|----------|----------|--------|---------|----------|---|
| 1 | PCDD/PCDF | | | | | | | | | | | | | | | | |
| 2 | N | | | | | | | | | | | | | | | | |
| 3 | Facility Name and ID: | PPG Industries, Lake Charles, LA | | | | | | | | | | | | | | | |
| 4 | Condition ID: | 2022C2 | | | | | | | | | | | | | | | |
| 5 | Condition/Test Date: | Trial burn, increased PCB feed rate | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | Detected in sample volume (pg) | | | | | | | | | | | | | | | | |
| 11 | 2,3,7,8-TCDD | 1 | nd | 4.7 | 4.7 | 2.4 | 2.4 nd | 3.7 | 3.7 | 1.9 | 1.9 | 1.9 nd | 3 | 2.9 | 1.5 | 1.5 | |
| 12 | Total TCDD | 0 | nd | 4.7 | 0.0 | 2.4 | 0.0 nd | 4 | 0.0 | 1.9 | 1.9 | 0.0 nd | 3 | 0.0 | 1.5 | 0.0 | |
| 13 | 1,2,3,7,8-PCDD | 0.5 | nd | 7.5 | 3.8 | 3.8 | 1.9 nd | 5.8 | 2.9 | 2.9 | 2.9 | 1.5 nd | 5 | 2.5 | 2.5 | 1.3 | |
| 14 | Total PCDD | 0 | nd | 7.5 | 0.0 | 3.8 | 0.0 nd | 5.8 | 0.0 | 2.9 | 2.9 | 0.0 nd | 5 | 0.0 | 2.5 | 0.0 | |
| 15 | 1,2,3,4,7,8-HxCDD | 0.1 | | 8.7 | 0.9 | 8.7 | 0.9 nd | 11.5 | 1.2 | 5.8 | 5.8 | 0.6 nd | 10 | 1.0 | 5.1 | 0.5 | |
| 16 | 1,2,3,6,7,8-HxCDD | 0.1 | | 12.0 | 1.2 | 12.0 | 1.2 nd | 12.5 | 1.3 | 6.3 | 6.3 | 0.6 nd | 11 | 1.1 | 5.5 | 0.6 | |
| 17 | 1,2,3,7,8,9-HxCDD | 0.1 | | 7.6 | 0.8 | 7.6 | 0.8 nd | 11.3 | 1.1 | 5.7 | 5.7 | 0.6 nd | 10 | 1.0 | 5.0 | 0.5 | |
| 18 | Total HxCDD | 0 | | 72.8 | 0.0 | 72.8 | 0.0 nd | 11.7 | 0.0 | 5.9 | 5.9 | 0.0 | 15 | 0.0 | 15.4 | 0.0 | |
| 19 | 1,2,3,4,6,7,8-HpCDD | 0.01 | | 204.6 | 2.0 | 204.6 | 2.0 | 79.1 | 0.8 | 79.1 | 79.1 | 0.8 | 80 | 0.8 | 79.7 | 0.8 | |
| 20 | Total HpCDD | 0 | | 339.0 | 0.0 | 339.0 | 0.0 | 128.1 | 0.0 | 128.1 | 128.1 | 0.0 | 127 | 0.0 | 127.3 | 0.0 | |
| 21 | OCDD | 0.001 | | 1232.0 | 1.2 | 1232.0 | 1.2 | 744 | 0.7 | 744.0 | 744.0 | 0.7 | 659 | 0.7 | 659.0 | 0.7 | |
| 22 | 2,3,7,8-TCDF | 0.1 | | 56.0 | 5.6 | 56.0 | 5.6 | 42 | 4.2 | 42.0 | 42.0 | 4.2 | 59 | 5.9 | 59.0 | 5.9 | |
| 23 | Total TCDF | 0 | | 346.0 | 0.0 | 346.0 | 0.0 | 235 | 0.0 | 235.0 | 235.0 | 0.0 | 304 | 0.0 | 304.0 | 0.0 | |
| 24 | 1,2,3,7,8-PCDF | 0.05 | | 77.0 | 3.9 | 77.0 | 3.9 | 53 | 2.7 | 53.0 | 53.0 | 2.7 | 68 | 3.4 | 68.0 | 3.4 | |
| 25 | 2,3,4,7,8-PCDF | 0.5 | | 46.0 | 23.0 | 46.0 | 23.0 | 32 | 16.0 | 32.0 | 32.0 | 16.0 | 41 | 20.5 | 41.0 | 20.5 | |
| 26 | Total PCDF | 0 | | 625.0 | 0.0 | 625.0 | 0.0 | 402 | 0.0 | 402.0 | 402.0 | 0.0 | 485 | 0.0 | 485.0 | 0.0 | |
| 27 | 1,2,3,4,7,8-HxCDF | 0.1 | | 594.0 | 59.4 | 594.0 | 59.4 | 337 | 33.7 | 337.0 | 337.0 | 33.7 | 446 | 44.6 | 446.0 | 44.6 | |
| 28 | 1,2,3,6,7,8-HxCDF | 0.1 | | 326.0 | 32.6 | 326.0 | 32.6 | 130 | 13.0 | 130.0 | 130.0 | 13.0 | 167 | 16.7 | 167.0 | 16.7 | |
| 29 | 2,3,4,6,7,8-HxCDF | 0.1 | | 129.0 | 12.9 | 129.0 | 12.9 | 54 | 5.4 | 54.0 | 54.0 | 5.4 | 71 | 7.1 | 71.0 | 7.1 | |
| 30 | 1,2,3,7,8,9-HxCDF | 0.1 | | 110.0 | 11.0 | 110.0 | 11.0 | 48 | 4.8 | 48.0 | 48.0 | 4.8 | 61 | 6.1 | 61.0 | 6.1 | |
| 31 | Total HxCDF | 0 | | 2607.0 | 0.0 | 2607.0 | 0.0 | 1193 | 0.0 | 1193.0 | 1193.0 | 0.0 | 1507 | 0.0 | 1507.0 | 0.0 | |
| 32 | 1,2,3,4,6,7,8-HpCDF | 0.01 | | 4889.0 | 48.9 | 4889.0 | 48.9 | 1753 | 17.5 | 1753.0 | 1753.0 | 17.5 | 2477 | 24.8 | 2477.0 | 24.8 | |
| 33 | 1,2,3,4,7,8,9-HpCDF | 0.01 | | 1349.0 | 13.5 | 1349.0 | 13.5 | 476 | 4.8 | 476.0 | 476.0 | 4.8 | 550 | 5.5 | 550.0 | 5.5 | |
| 34 | Total HpCDF | 0 | | 9900.0 | 0.0 | 9900.0 | 0.0 | 3361 | 0.0 | 3361.0 | 3361.0 | 0.0 | 4314 | 0.0 | 4314.0 | 0.0 | |
| 35 | OCDF | 0.001 | | 37100.0 | 37.1 | 37100.0 | 37.1 | 21360 | 21.4 | 21360.0 | 21360.0 | 21.4 | 24300 | 24.3 | 24300.0 | 24.3 | |
| 36 | | | | | | | | | | | | | | | | | |
| 37 | Gas sample volume (dscl) | | | 123.59 | 9.42 | 123.59 | 123.59 | 126.15 | 9.4 | 126.15 | 126.15 | 126.15 | 125.36 | 9.52 | 125.36 | 125.36 | |
| 38 | O2 (%) | | | 9.42 | 9.42 | 9.42 | 9.42 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.52 | 9.52 | 9.52 | 9.52 | |
| 39 | | | | | | | | | | | | | | | | | |
| 40 | PCDD/PCDF (pg in sample) | | | 262.3880 | 0.0907 | 52227.9 | 258.1630 | 135.0650 | 0.0458 | 27433.7 | 130.0000 | 130.0000 | 168.8260 | 0.0580 | 31715.7 | 164.5760 | |
| 41 | PCDD/PCDF (ng/dscm @ 7% O2) | 3.2 | | 0.0907 | 18.05 | 0.0892 | 7.5 | 0.0458 | 9.30 | 0.0441 | 5.0 | 5.0 | 10.90 | 10.90 | 0.0566 | 0.0566 | |
| 42 | | | | | | | | | | | | | | | | | |
| 43 | TEQ Cond Avg | | | 0.063 | | | | | | | | | | | | | |
| 44 | Total Cond Avg | | | 12.75 | | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|----|--------------------------------|----------------------------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|--------|
| 1 | PCDD/PCDF | | | | | | | | | | | | | | | | |
| 2 | N | | | | | | | | | | | | | | | | |
| 3 | Facility Name and ID: | PPG Industries, Lake Charles, LA | | | | | | | | | | | | | | | |
| 4 | Condition ID: | 2022C3 | | | | | | | | | | | | | | | |
| 5 | Condition/Test Date: | Normal comb temp | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | Detected in sample volume (pg) | | | | | | | | | | | | | | | | |
| 11 | 2,3,7,8-TCDD | 1 | nd | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 2 | 2.3 | 1.2 | 1.2 |
| 12 | Total TCDD | 0 | nd | 4.2 | 4.2 | 2.1 | 2.1 | 0.0 | 3 | 0.0 | 2.9 | 0.0 | 0.0 | 2 | 0.0 | 1.2 | 0.0 |
| 13 | 1,2,3,7,8-PCDD | 0.5 | nd | 6.4 | 3.2 | 3.2 | 3.2 | 1.6 | 6.4 | 3.2 | 3.2 | 1.6 | 1.6 | 5 | 2.4 | 2.4 | 1.2 |
| 14 | Total PCDD | 0 | nd | 4.4 | 0.0 | 4.4 | 0.0 | 0.0 | 6.45 | 0.0 | 3.2 | 0.0 | 0.0 | 6 | 0.0 | 2.9 | 0.0 |
| 15 | 1,2,3,4,7,8-HxCDD | 0.1 | nd | 10.1 | 1.0 | 5.1 | 5.1 | 0.5 | 7.2 | 0.7 | 3.6 | 0.4 | 0.4 | 7 | 0.7 | 3.7 | 0.4 |
| 16 | 1,2,3,6,7,8-HxCDD | 0.1 | nd | 11.0 | 1.1 | 5.5 | 5.5 | 0.6 | 7.2 | 0.7 | 3.6 | 0.4 | 0.4 | 7 | 0.7 | 3.7 | 0.4 |
| 17 | 1,2,3,7,8,9-HxCDD | 0.1 | nd | 9.9 | 1.0 | 5.0 | 5.0 | 0.5 | 6.7 | 0.7 | 3.4 | 0.3 | 0.3 | 7 | 0.7 | 3.5 | 0.3 |
| 18 | Total HxCDD | 0 | nd | 10.3 | 0.0 | 5.2 | 5.2 | 0.0 | 2.95 | 0.0 | 3.0 | 0.0 | 0.0 | 7 | 0.0 | 3.6 | 0.0 |
| 19 | 1,2,3,4,6,7,8-HpCDD | 0.01 | | 45.4 | 0.5 | 45.4 | 45.4 | 0.5 | 42.5 | 0.4 | 42.5 | 0.4 | 0.4 | 61 | 0.6 | 61.0 | 0.6 |
| 20 | Total HpCDD | 0 | | 71.3 | 0.0 | 71.3 | 71.3 | 0.0 | 67.5 | 0.0 | 67.5 | 0.0 | 0.0 | 96 | 0.0 | 96.1 | 0.0 |
| 21 | OCDD | 0.001 | | 375.0 | 0.4 | 375.0 | 375.0 | 0.4 | 398 | 0.4 | 398.0 | 0.4 | 0.4 | 584 | 0.6 | 584.0 | 0.6 |
| 22 | 2,3,7,8-TCDF | 0.1 | | 65.0 | 6.5 | 65.0 | 65.0 | 6.5 | 77.3 | 7.7 | 77.3 | 7.7 | 7.7 | 75 | 7.5 | 75.3 | 7.5 |
| 23 | Total TCDF | 0 | | 295.0 | 0.0 | 295.0 | 295.0 | 0.0 | 397 | 0.0 | 397.0 | 0.0 | 0.0 | 381 | 0.0 | 381.0 | 0.0 |
| 24 | 1,2,3,7,8-PCDF | 0.05 | | 37.2 | 1.9 | 37.2 | 37.2 | 1.9 | 46.7 | 2.3 | 46.7 | 2.3 | 2.3 | 53 | 2.6 | 52.8 | 2.6 |
| 25 | 2,3,4,7,8-PCDF | 0.5 | | 19.8 | 9.9 | 19.8 | 19.8 | 9.9 | 28 | 14.0 | 28.0 | 14.0 | 14.0 | 35 | 17.7 | 35.3 | 17.7 |
| 26 | Total PCDF | 0 | | 253.0 | 0.0 | 253.0 | 253.0 | 0.0 | 316 | 0.0 | 316.0 | 0.0 | 0.0 | 369 | 0.0 | 369.0 | 0.0 |
| 27 | 1,2,3,4,7,8-HxCDF | 0.1 | | 231.0 | 23.1 | 231.0 | 231.0 | 23.1 | 264 | 26.4 | 264.0 | 26.4 | 26.4 | 346 | 34.6 | 346.0 | 34.6 |
| 28 | 1,2,3,6,7,8-HxCDF | 0.1 | | 70.5 | 7.1 | 70.5 | 70.5 | 7.1 | 74.4 | 7.4 | 74.4 | 7.4 | 7.4 | 102 | 10.2 | 102.0 | 10.2 |
| 29 | 2,3,4,6,7,8-HxCDF | 0.1 | | 29.4 | 2.9 | 29.4 | 29.4 | 2.9 | 27.4 | 2.7 | 27.4 | 2.7 | 2.7 | 46 | 4.6 | 45.8 | 4.6 |
| 30 | 1,2,3,7,8,9-HxCDF | 0.1 | | 25.6 | 2.6 | 25.6 | 25.6 | 2.6 | 30.5 | 3.1 | 30.5 | 3.1 | 3.1 | 45 | 4.5 | 45.3 | 4.5 |
| 31 | Total HxCDF | 0 | | 668.0 | 0.0 | 668.0 | 668.0 | 0.0 | 760 | 0.0 | 760.0 | 0.0 | 0.0 | 1063 | 0.0 | 1063.0 | 0.0 |
| 32 | 1,2,3,4,6,7,8-HpCDF | 0.01 | | 1117.0 | 11.2 | 1117.0 | 1117.0 | 11.2 | 1046 | 10.5 | 1046.0 | 10.5 | 10.5 | 1716 | 17.2 | 1716.0 | 17.2 |
| 33 | 1,2,3,4,7,8,9-HpCDF | 0.01 | | 254.0 | 2.5 | 254.0 | 254.0 | 2.5 | 298 | 3.0 | 298.0 | 3.0 | 3.0 | 432 | 4.3 | 432.0 | 4.3 |
| 34 | Total HpCDF | 0 | | 1879.0 | 0.0 | 1879.0 | 1879.0 | 0.0 | 1991 | 0.0 | 1991.0 | 0.0 | 0.0 | 3130 | 0.0 | 3130.0 | 0.0 |
| 35 | OCDF | 0.001 | | 13060.0 | 13.1 | 13060.0 | 13060.0 | 13.1 | 13970 | 14.0 | 13970.0 | 14.0 | 14.0 | 21240 | 21.2 | 21240.0 | 21.2 |
| 36 | | | | | | | | | | | | | | | | | |
| 37 | Gas sample volume (dscf) | | | 120.86 | 120.86 | 120.86 | 120.86 | 120.86 | 120.68 | 120.68 | 120.68 | 120.68 | 120.68 | 120.58 | 120.58 | 120.58 | 120.58 |
| 38 | O2 (%) | | | 8.35 | 8.35 | 8.35 | 8.35 | 8.35 | 8.4 | 8.4 | 8.4 | 8.4 | 8.4 | 8.39 | 8.39 | 8.39 | 8.39 |
| 39 | | | | | | | | | | | | | | | | | |
| 40 | PCDD/PCDF (pg in sample) | | | 92.0090 | 92.0090 | 16612.9 | 16612.9 | 86.7590 | 99.6380 | 99.6380 | 17908.6 | 95.7830 | 95.7830 | 132.5 | 26870.7 | 129.1 | 129.1 |
| 41 | PCDD/PCDF (ng/dscm @ 7% O2) | | 11.4 | 0.0298 | 0.0298 | 5.38 | 5.38 | 0.0281 | 0.0324 | 0.0324 | 5.82 | 0.0311 | 5.1 | 0.0431 | 8.74 | 0.0420 | 0.0420 |
| 42 | | | | | | | | | | | | | | | | | |
| 43 | TEQ Cond Avg | | | 0.034 | 0.034 | | | | | | | | | | | | |
| 44 | Total Cond Avg | | | 6.65 | 6.65 | | | | | | | | | | | | |

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|----|--------------------------------|--|------|---------|---------|---------|---------|---------|----------|---------|----------|----------|----------|--------|---------|---------|--------|
| 1 | PCDD/PCDF | | | | | | | | | | | | | | | | |
| 2 | N | | | | | | | | | | | | | | | | |
| 3 | Facility Name and ID: | PPG Industries, Lake Charles, LA | | | | | | | | | | | | | | | |
| 4 | Condition ID: | 2022C4 | | | | | | | | | | | | | | | |
| 5 | Condition/Test Date: | Risk burn, normal operating condition in feeding non PCB containing materials. | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | Detected in sample volume (pg) | | | | | | | | | | | | | | | | |
| 12 | 2,3,7,8-TCDD | 1 | nd | 2.8 | 2.8 | 2.8 | 1.4 | 1.4 | 1.6 | 1.6 | 0.8 | 0.8 | nd | 2 | 2.4 | 1.2 | 1.2 |
| 13 | Total TCDD | 0 | nd | 2.8 | 2.8 | 2.8 | 1.4 | 1.4 | 2 | 2 | 1.6 | 1.6 | 0.0 | 1 | 0.0 | 1.3 | 0.0 |
| 14 | 1,2,3,7,8-PCDD | 0.5 | nd | 5.9 | 3.0 | 3.0 | 3.0 | 1.5 | 7 | 3.5 | 3.5 | 1.8 | nd | 7 | 3.3 | 3.3 | 1.7 |
| 15 | Total PCDD | 0 | nd | 5.9 | 3.0 | 3.0 | 3.0 | 1.5 | 9 | 0.0 | 4.5 | 0.0 | 0.0 | 4 | 0.0 | 4.2 | 0.0 |
| 16 | 1,2,3,4,7,8-HxCDD | 0.1 | nd | 10.2 | 1.0 | 1.0 | 5.1 | 0.5 | 9.4 | 4.7 | 4.7 | 0.5 | nd | 14 | 1.4 | 6.9 | 0.7 |
| 17 | 1,2,3,6,7,8-HxCDD | 0.1 | nd | 10.2 | 1.0 | 1.0 | 5.1 | 0.5 | 9.4 | 4.7 | 4.7 | 0.5 | nd | 14 | 1.4 | 6.9 | 0.7 |
| 18 | 1,2,3,7,8,9-HxCDD | 0.1 | nd | 9.5 | 1.0 | 1.0 | 4.8 | 0.5 | 8.8 | 4.4 | 4.4 | 0.4 | nd | 13 | 1.3 | 6.5 | 0.6 |
| 19 | Total HxCDD | 0 | nd | 13.2 | 0.0 | 0.0 | 6.6 | 0.0 | 56.8 | 0.0 | 28.4 | 0.0 | nd | 33 | 0.0 | 16.3 | 0.0 |
| 20 | 1,2,3,4,6,7,8-HpCDD | 0.01 | | 40.4 | 0.4 | 0.4 | 40.4 | 0.4 | 77.4 | 0.8 | 77.4 | 0.8 | 0.0 | 47 | 0.5 | 47.4 | 0.5 |
| 21 | Total HpCDD | 0 | | 66.1 | 0.0 | 0.0 | 66.1 | 0.0 | 121 | 0.0 | 121.0 | 0.0 | 0.0 | 73 | 0.0 | 72.8 | 0.0 |
| 22 | OCDD | 0.001 | | 249.0 | 0.2 | 0.2 | 249.0 | 0.2 | 479 | 0.5 | 479.0 | 0.5 | 0.5 | 295 | 0.3 | 295.0 | 0.3 |
| 23 | 2,3,7,8-TCDF | 0.1 | | 55.0 | 5.5 | 5.5 | 55.0 | 5.5 | 101 | 10.1 | 101.0 | 10.1 | 10.1 | 58 | 5.8 | 58.0 | 5.8 |
| 24 | Total TCDF | 0 | | 280.0 | 0.0 | 0.0 | 280.0 | 0.0 | 463 | 0.0 | 463.0 | 0.0 | 0.0 | 310 | 0.0 | 310.0 | 0.0 |
| 25 | 1,2,3,7,8-PCDF | 0.05 | | 34.0 | 1.7 | 1.7 | 34.0 | 1.7 | 77 | 3.9 | 77.0 | 3.9 | 3.9 | 54 | 2.7 | 54.0 | 2.7 |
| 26 | 2,3,4,7,8-PCDF | 0.5 | | 27.0 | 13.5 | 13.5 | 27.0 | 13.5 | 51 | 25.5 | 51.0 | 25.5 | 25.5 | 31 | 15.5 | 31.0 | 15.5 |
| 27 | Total PCDF | 0 | | 288.0 | 0.0 | 0.0 | 288.0 | 0.0 | 556 | 0.0 | 556.0 | 0.0 | 0.0 | 346 | 0.0 | 346.0 | 0.0 |
| 28 | 1,2,3,4,7,8-HxCDF | 0.1 | | 222.0 | 22.2 | 22.2 | 222.0 | 22.2 | 449 | 44.9 | 449.0 | 44.9 | 44.9 | 288 | 28.8 | 288.0 | 28.8 |
| 29 | 1,2,3,6,7,8-HxCDF | 0.1 | | 66.0 | 6.6 | 6.6 | 66.0 | 6.6 | 142 | 14.2 | 142.0 | 14.2 | 14.2 | 84 | 8.4 | 84.0 | 8.4 |
| 30 | 2,3,4,6,7,8-HxCDF | 0.1 | | 33.0 | 3.3 | 3.3 | 33.0 | 3.3 | 61 | 6.1 | 61.0 | 6.1 | 6.1 | 39 | 3.9 | 39.0 | 3.9 |
| 31 | 1,2,3,7,8,9-HxCDF | 0.1 | | 38.0 | 3.8 | 3.8 | 38.0 | 3.8 | 65 | 6.5 | 65.0 | 6.5 | 6.5 | 41 | 4.1 | 41.0 | 4.1 |
| 32 | Total HxCDF | 0 | | 693.0 | 0.0 | 0.0 | 693.0 | 0.0 | 1396 | 0.0 | 1396.0 | 0.0 | 0.0 | 853 | 0.0 | 853.0 | 0.0 |
| 33 | 1,2,3,4,6,7,8-HpCDF | 0.01 | | 824.0 | 8.2 | 8.2 | 824.0 | 8.2 | 1736 | 17.4 | 1736.0 | 17.4 | 17.4 | 1019 | 10.2 | 1019.0 | 10.2 |
| 34 | 1,2,3,4,7,8,9-HpCDF | 0.01 | | 243.0 | 2.4 | 2.4 | 243.0 | 2.4 | 554 | 5.5 | 554.0 | 5.5 | 5.5 | 324 | 3.2 | 324.0 | 3.2 |
| 35 | Total HpCDF | 0 | | 1671.0 | 0.0 | 0.0 | 1671.0 | 0.0 | 3510 | 0.0 | 3510.0 | 0.0 | 0.0 | 2056 | 0.0 | 2056.0 | 0.0 |
| 36 | OCDF | 0.001 | | 9530.0 | 9.5 | 9.5 | 9530.0 | 9.5 | 16840 | 16.8 | 16840.0 | 16.8 | 16.8 | 11030 | 11.0 | 11030.0 | 11.0 |
| 37 | Gas sample volume (dsct) | | | 110.09 | 110.09 | 110.09 | 110.09 | 110.09 | 113.88 | 113.88 | 113.88 | 113.88 | 113.88 | 112.38 | 112.38 | 112.38 | 112.38 |
| 38 | O2 (%) | | | 8.54 | 8.54 | 8.54 | 8.54 | 8.54 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.43 | 8.43 | 8.43 | 8.43 |
| 39 | | | | | | | | | | | | | | | | | |
| 40 | PCDD/PCDF (pg in sample) | | | 86.1930 | 12788.1 | 12788.1 | 81.8230 | 81.8230 | 160.0030 | 23399.5 | 156.0730 | 156.0730 | 156.0730 | 104.2 | 14984.6 | 99.3 | 99.3 |
| 41 | PCDD/PCDF (ng/dscm @ 7% O2) | | 10.1 | 0.0311 | 4.61 | 0.0295 | 4.9 | 0.0295 | 0.0556 | 8.13 | 0.0542 | 0.0542 | 9.4 | 0.0365 | 5.25 | 0.0348 | 0.0348 |
| 42 | | | | | | | | | | | | | | | | | |
| 43 | TEQ Cond Avg | | | 0.040 | | | | | | | | | | | | | |
| 44 | Total Cond Avg | | | 6.00 | | | | | | | | | | | | | |