

# HIH LABORATORY, INC.

Fee Schedule  
Effective April 7, 2020

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                                | Method          | Media         | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>o</sup> analyte | Price 2 <sup>o</sup> analyte | Media Price | Compatibility |
|--|-----------------|---------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-----------|------------|---------------------|----------------------|----------------------|---------|------------------------------|------------------------------|-------------|---------------|
| 1,1,1,3,3,3-Hexafluoro-2-methoxy-Propane | OSHA 106        | SKC 226-81A   | mg         | ppm                | 0.003                | 182.06         |      |                  |       | ppm       | 13171-18-1 | 0.05                | 5                    | GC/FID               | 2       | \$75                         |                              | \$3         |               |
| 1,1,2-Trichloro 1,2,2-trifluoroethane    | NIOSH 1020      | 3M 3500 Badge | mg         | ppm                | 0.03                 | 187.4          | 29.1 | 3M Rate          | 1000  | ppm       | 76-13-1    |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$17        |               |
| 1,1-Dichloroethene                       | NIOSH 1015      | 3M 3520 Badge | mg         | ppm                | 0.02                 | 96.95          | 35.1 | 3M Rate          | 5     | ppm       | 75-35-4    |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$20        |               |
| 1,1-Dichloroethene                       | NIOSH 1015      | SKC 226-09    | mg         | ppm                | 0.02                 | 96.95          |      |                  | 5     | ppm       | 75-35-4    | 0.01-0.2            | 2.5-7                | GC/FID               | 2       | \$50                         | \$30                         | \$2         |               |
| 1,2,4-Trichlorobenzene                   | OSHA PV 2091    | SKC 226-01    | mg         | ppm                | 0.003                | 181.46         |      |                  | 5     | ppm       | 120.82-1   | 0.1                 | 10                   | GC/FID               | 2       | \$50                         | \$30                         | \$1         | C             |
| 1,2,4-Trichlorobenzene                   | OSHA PV 2091    | 3M 3500 Badge | mg         | ppm                | 0.003                | 181.46         | 24.8 | 3M Rate          | 5     | ppm       | 120.82-1   |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$17        |               |
| 1,2,4-Trimethylbenzene                   | OSHA PV 2091    | 3M 3500 Badge | mg         | ppm                | 0.005                | 120.2          | 24.4 | 3M Rate          | 25    | ppm       | 95-63-6    |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$17        | A             |
| 1,2,4-Trimethylbenzene                   | OSHA PV 2091    | 3M 3520 Badge | mg         | ppm                | 0.005                | 120.2          | 24.4 | 3M Rate          | 25    | ppm       | 95-63-6    |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$20        |               |
| 1,2,4-Trimethylbenzene                   | OSHA PV 2091    | SKC 226-01    | mg         | ppm                | 0.003                | 120.2          |      |                  | 25    | ppm       | 95-63-6    | 0.1                 | 10                   | GC/FID               | 2       | \$50                         | \$30                         | \$1         |               |
| 1,2-Dichloroethane                       | NIOSH 1003      | SKC 226-01    | mg         | ppm                | 0.003                | 98.96          |      |                  | 10    | ppm       | 107-06-2   | 0.01-0.2            | 10                   | GC/FID               | 2       | \$50                         | \$30                         | \$1         | C             |
| 1,2-Dimethoxyethane                      | OSHA CSI        | SKC 226-01    | mg         | ppm                | 0.005                | 90.14          |      |                  |       | ppm       | 110-71-4   | 0.2                 | 10                   | GC/FID               | 2       | \$55                         | \$30                         | \$1         |               |
| 1,3,5-Trimethylbenzene                   | OSHA PV 2091    | 3M 3500 Badge | mg         | ppm                | 0.005                | 120.2          | 24.5 | 3M Rate          | 25    | ppm       | 108-67-8   |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$17        | A             |
| 1,3,5-Trimethylbenzene                   | OSHA PV 2091    | 3M 3520 Badge | mg         | ppm                | 0.005                | 120.2          | 24.5 | 3M Rate          | 25    | ppm       | 108-67-8   |                     |                      | GC/FID               | 2       | \$50                         | \$30                         | \$20        |               |
| 1,3,5-Trimethylbenzene                   | OSHA PV 2091    | SKC 226-01    | mg         | ppm                | 0.003                | 120.2          |      |                  | 25    | ppm       | 108-67-8   | 0.1                 | 10                   | GC/FID               | 2       | \$50                         | \$30                         | \$1         |               |
| 1,3-Butadiene                            | NIOSH 1024      | SKC 226-37    | mg         | ppm                | 0.002                | 54.09          |      |                  | 2     | ppm       | 106-99-0   | 0.01-0.5            | 5-25                 | GC/FID               | 2       | \$55                         | \$30                         | \$5         | C             |
| 1,3-Butadiene                            | NIOSH 1024 M    | 3M 3500 Badge | mg         | ppm                | 0.002                | 54.09          | 42.8 | 3M Rate          | 2     | ppm       | 106-99-0   |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$17        |               |
| 1,3-Butadiene                            | NIOSH 1024 M    | 3M 3520 Badge | mg         | ppm                | 0.002                | 54.09          | 42.8 | 3M Rate          | 2     | ppm       | 106-99-0   |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$20        |               |
| 1,3-Butadiene                            | NIOSH 1024 M    | SKC 226-01    | mg         | ppm                | 0.001                | 54.09          |      |                  | 2     | ppm       | 106-99-0   | 0.01-0.5            | 5-25                 | GC/FID               | 2       | \$55                         | \$30                         | \$1         |               |
| 1,3-Butadiene                            | OSHA 56         | SKC 226-73    | mg         | ppm                | 0.001                | 54.09          |      |                  | 2     | ppm       | 106-99-0   | 0.05                | 3                    | GC/FID               | 2,36    | \$55                         | \$30                         | \$3         |               |
| 1,3-Butanediol                           | NIOSH IMIS B147 | SKC 226-57    | mg         | ppm                | 0.2                  | 90.12          |      |                  |       | ppm       | 107-88-0   |                     |                      | GC/FID               |         | \$55                         | \$30                         | \$21        |               |
| 1,3-Butylene glycol                      | NIOSH 5523      | SKC 226-57    | mg         | ppm                | 0.02                 | 90.12          |      |                  |       | ppm       | 107-88-0   | 0.5-2.0             | 5-60                 | GC/FID               |         | \$55                         | \$30                         | \$21        |               |
| 1,3-Dichlorobenzene                      | NIOSH 1003      | SKC 226-01    | mg         | ppm                | 0.01                 | 147            |      |                  | 25    | ppm       | 541-73-1   | 0.01-0.2            | 3-10                 | GC/FID               | 2       | \$55                         | \$30                         | \$1         | A             |
| 1,4-Dichlorobenzene                      | NIOSH 1003      | SKC 226-01    | mg         | ppm                | 0.003                | 147            |      |                  | 10    | ppm       | 106-46-7   | 0.01-0.2            | 3-10                 | GC/FID               | 2       | \$55                         | \$30                         | \$1         | A             |
| 1,4-Dioxane                              | NIOSH 1602      | 3M 3520 Badge | mg         | ppm                | 0.005                | 88.1           | 34.5 | 3M Rate          | 20    | ppm       | 123-91-1   |                     |                      | GC/FID               |         | \$75                         |                              | \$20        |               |
| 1,4-Dioxane                              | NIOSH 1602      | SKC 226-01    | mg         | ppm                | 0.003                | 88.1           |      |                  | 20    | ppm       | 123-91-1   | 0.1-0.2             | 0.5-15               | GC/FID               |         | \$75                         |                              | \$1         |               |
| 1,6-Hexamethylene diamine                | OSHA IMIS H115  | SKC 226-30-18 | mg         | ppm                | 0.001                | 116.21         |      |                  | 0.5   | ppm       | 124-09-4   |                     |                      | HPLC                 | 3       | \$84                         |                              | \$5         |               |
| 1,6-Hexamethylene diisocyanate           | OSHA 42         | SKC 225-9002  | mg         | ppm                | 0.0003               | 168.2          |      |                  | 0.005 | ppm       | 822-06-0   | 1                   | 15                   | HPLC                 | 2,12    | \$85                         | \$45                         | \$15        |               |
| 1-Bromopropane                           | NIOSH 1025      | SKC 226-01    | mg         | ppm                | 0.003                | 122.99         |      |                  | 10    | ppm       | 106-94-5   | 0.01-0.2            | 0.1-12               | GC/FID               | 2       | \$55                         | \$30                         | \$2         |               |
| 1-Bromopropane                           | NIOSH 1025 M    | 3M 3520 Badge | mg         | ppm                | 0.005                | 122.99         | 31.7 | 3M Rate          | 10    | ppm       | 106-94-5   |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$20        |               |
| 1-Butanol                                | NIOSH 1405      | 3M 3500 Badge | mg         | ppm                | 0.005                | 74.12          | 34.3 | 3M Rate          | 50    | ppm STEL  | 71-36-3    |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$17        | B             |
| 1-Butanol                                | NIOSH 1453      | 3M 3520 Badge | mg         | ppm                | 0.005                | 74.12          | 34.3 | 3M Rate          | 50    | ppm STEL  | 71-36-3    |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$20        |               |
| 1-Butene                                 | NIOSH 1501 M    | SKC 226-01    | mg         | ppm                | 0.003                | 56.11          |      |                  | 30    | ppm       | 106-98-9   | 0.2                 | 30                   | GC/FID               | 2       | \$45                         | \$30                         | \$1         |               |

\* RQLs' are updated periodically.

\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                         | Method         | Media         | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-----------------------------------|----------------|---------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| 1-Hexene                          | NIOSH 1500 M   | 3M 3500 Badge | mg         | ppm                | 0.005                | 84.16          | 32.1 | 3M Rate          | 30    | ppm               | 592-41-6    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| 1-Nitropropane                    | OSHA 46        | SKC 226-01    | mg         | ppm                | 0.003                | 89.09          |      |                  | 25    | ppm               | 108-03-2    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| 1-Nonene                          | 3M OVM Method  | 3M 3500 Badge | mg         | ppm                | 0.005                | 126.24         | 25.6 | 3M Rate          |       | ppm               | 124-11-8    |                     |                      | GC/FID               | 2       | \$42                          | \$25                          | \$17        |               |
| 1-Octene                          | OSHA PV 2138 M | 3M 3500 Badge | mg         | ppm                | 0.005                | 112.22         | 27.2 | 3M Rate          |       | ppm               | 111-66-0    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        |               |
| 2,4,6-Tri-tert-Butylphenol        | NIOSH 2546 M   | SKC 226-95    | mg         | ppm                | 0.02                 | 262.5          |      |                  |       | ppm               | 732-26-3    |                     |                      | GC/FID               | 2       | \$85                          |                               | \$3         |               |
| 2,4-Dichlorophenol                | NIOSH 2546 M   | SKC 226-95    | mg         | ppm                | 0.02                 | 163            |      |                  |       | ppm               | 120-83-2    |                     |                      | GC/FID               | 2       | \$55                          |                               | \$3         |               |
| 2,4-Dinitrotoluene                | OSHA 44 M      | SKC 226-56    | mg         | ppm                | 0.01                 | 182.15         |      |                  | 0.2   | mg/m <sup>3</sup> | 25321-14-6  | 1                   | 60                   | GC/ECD               | 2       | \$95                          | \$45                          | \$26        |               |
| 2,4-Toluene diamine               | OSHA 65        | SKC 225-9004  | mg         | ppm                | 0.0002               | 122.17         |      |                  |       | ppm               | 95-80-7     | 1                   | 100                  | GC/ECD               | 11      | \$90                          | \$45                          | \$15        |               |
| 2,4-Toluene diisocyanate          | OSHA 42        | SKC 225-9002  | mg         | ppm                | 0.003                | 174.15         |      |                  | 0.005 | ppm               | 584-84-9    | 1                   | 15                   | HPLC                 | 11      | \$90                          | \$45                          | \$15        |               |
| 2,4-Xylenol                       | NIOSH 2546 M   | SKC 226-95    | mg         | ppm                | 0.05                 | 122.17         |      |                  |       | ppm               | 105-67-9    |                     |                      | GC/FID               | 2       | \$85                          |                               | \$3         |               |
| 2,6-Diethyl-4-methyl-bromobenzene | NIOSH 1003 M   | SKC 226-01    | mg         | ppm                | 0.003                | 227.14         |      |                  |       | ppm               | 314084-61-2 | 0.01-0.2            | 15                   | GC/FID               | 2       | \$95                          | \$45                          | \$1         |               |
| 2,6-Dinitrotoluene                | OSHA 44 M      | SKC 226-56    | mg         | ppm                | 0.006                | 182.15         |      |                  | 0.2   | mg/m <sup>3</sup> | 606-20-2    | 1                   | 60                   | GC/ECD               | 2.11    | \$95                          | \$45                          | \$26        |               |
| 2,6-Di-tert-Butylphenol           | NIOSH 2546 M   | SKC 226-95    | mg         | ppm                | 0.04                 | 206.33         |      |                  |       | ppm               | 128-39-2    |                     |                      | GC/FID               | 2       | \$95                          |                               | \$3         |               |
| 2,6-Toluene diamine               | OSHA 65        | SKC 225-9004  | mg         | ppm                | 0.01                 | 122.17         |      |                  |       | ppm               | 823-40-5    | 1                   | 100                  | GC/ECD               | 11      | \$95                          | \$45                          | \$15        |               |
| 2,6-Toluene diisocyanate          | OSHA 42        | SKC 225-9002  | mg         | ppm                | 0.0003               | 174.15         |      |                  | 0.005 | ppm               | 91-08-7     | 1                   | 15                   | HPLC                 | 2.11    | \$95                          | \$45                          | \$15        |               |
| 2,6-Xylenol                       | NIOSH 2546 M   | SKC 226-95    | mg         | ppm                | 0.05                 | 122.17         |      |                  |       | ppm               | 576-26-1    |                     |                      | GC/FID               | 2       | \$85                          |                               | \$3         |               |
| 2-Aminoethanol                    | OSHA PV2111    | SKC 226-30-18 | mg         | ppm                | 0.003                | 61.08          |      |                  | 3     | ppm               | 141-43-5    | 0.01-0.2            | 4-24                 | HPLC                 | 32      | \$95                          | \$45                          | \$5         |               |
| 2-Butanol                         | NIOSH 1401     | 3M 3500 Badge | mg         | ppm                | 0.005                | 74.12          | 34.8 | 3M Rate          | 100   | ppm               | 78-92-2     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | D             |
| 2-Butanol                         | NIOSH 1401     | SKC 226-01    | mg         | ppm                | 0.003                | 74.12          |      |                  | 100   | ppm               | 78-92-2     | 0.01-0.2            | 2-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| 2-Butanone / (MEK)                | NIOSH 2500     | 3M 3500 Badge | mg         | ppm                | 0.005                | 72.1           | 36.3 | 3M Rate          | 200   | ppm               | 78-93-3     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| 2-Butanone / (MEK)                | NIOSH 2500     | 3M 3520 Badge | mg         | ppm                | 0.005                | 72.1           | 36.3 | 3M Rate          | 200   | ppm               | 78-93-3     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| 2-Butanone / (MEK)                | NIOSH 2500     | SKC 226-01    | mg         | ppm                | 0.003                | 72.1           |      |                  | 200   | ppm               | 78-93-3     | 0.01-0.2            | 0.25-12              | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| 2-Butanone / (MEK)                | NIOSH 2500     | SKC 575-002   | mg         | ppm                | 0.01                 | 72.1           | 17.1 | SKC 575-002 Rate | 200   | ppm               | 78-93-3     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| 2-Butanone / (MEK)                | NIOSH 2500 M   | SKC 575-001   | mg         | ppm                | 0.005                | 72.1           | 17.1 | SKC 575-001 Rate | 200   | ppm               | 78-93-3     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| 2-Butoxyethanol                   | NIOSH 1403     | 3M 3500 Badge | mg         | ppm                | 0.005                | 118.18         | 28.2 | 3M Rate          | 20    | ppm               | 111-76-2    |                     |                      | GC/FID               | 2.3     | \$55                          | \$30                          | \$17        | D             |
| 2-Butoxyethanol                   | NIOSH 1403     | 3M 3520 Badge | mg         | ppm                | 0.005                | 118.18         | 28.2 | 3M Rate          | 20    | ppm               | 111-76-2    |                     |                      | GC/FID               | 2.3     | \$55                          | \$30                          | \$20        |               |
| 2-Butoxyethanol                   | NIOSH 1403     | SKC 226-01    | mg         | ppm                | 0.003                | 118.18         |      |                  | 20    | ppm               | 111-76-2    | 0.01-0.5            | 6-50                 | GC/FID               | 2.3     | \$55                          | \$30                          | \$1         |               |
| 2-Butoxyethanol                   | NIOSH 1403     | SKC 226-09    | mg         | ppm                | 0.005                | 118.18         |      |                  | 20    | ppm               | 111-76-2    | 0.01-0.5            | 6-50                 | GC/FID               | 2.3     | \$55                          | \$30                          | \$2         |               |
| 2-Butoxyethanol                   | NIOSH 1403     | SKC 575-001   | mg         | ppm                | 0.005                | 118.18         | 12   | SKC 575-001 Rate | 20    | ppm               | 111-76-2    |                     |                      | GC/FID               | 2.3     | \$55                          | \$30                          | \$17        |               |
| 2-Butoxyethanol                   | OSHA 83        | SKC 226-01    | mg         | ppm                | 0.003                | 118.18         |      |                  | 20    | ppm               | 111-76-2    | 0.01-0.5            | 6-50                 | GC/FID               | 2.3     | \$55                          | \$30                          | \$1         |               |
| 2-Butoxyethyl acetate             | OSHA 83        | 3M 3500 Badge | mg         | ppm                | 0.005                | 160.2          | 24.3 | 3M Rate          | 20    | ppm               | 112-07-2    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| 2-Ethoxyethyl acetate             | NIOSH 1450     | SKC 226-01    | mg         | ppm                | 0.003                | 132.16         |      |                  | 5     | ppm               | 111-15-9    | 0.01-0.2            | 1-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |

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Sampling and Analysis Guide

| Parameter                           | Method             | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate      | Rate description | TLV  | TLV Units         | CAS Number              | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------------------------|--------------------|--------------------|------------|--------------------|----------------------|----------------|-----------|------------------|------|-------------------|-------------------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| 2-Ethyl-1-hexanol                   | OSHA IMIS E106     | 3M 3500 Badge      | mg         | ppm                | 0.005                | 130.23         | 32.4      | 3M Rate          |      | ppm               | 104-76-7                |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| 2-Ethylhexyl Acrylate               | OSHA PV2026 M      | 3M 3500 Badge      | mg         | ppm                | 0.005                | 184.28         | 22.2      | 3M Rate          |      | ppm               | 103-11-7                | 0.1                 | 12                   | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| 2-Hexanone / (MBK)                  | OSHA Method 7      | SKC 226-09         | mg         | ppm                | 0.005                | 100.16         |           |                  | 5    | ppm               | 591-78-6                | 0.2                 | 10                   | GC/FID               | 2       | \$45                          | \$30                          | \$2         | A             |
| 2-Methylpentane                     | NIOSH 1501 M       | 3M 3500 Badge      | mg         | ppm                | 0.005                | 86.2           | 31.4      | 3M Rate          |      | ppm               | 107-83-5                |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| 2-Methylpentane                     | NIOSH 1501 M       | SKC 226-01         | mg         | ppm                | 0.003                | 86.2           |           |                  |      | ppm               | 107-83-5                | 0.01-0.2            | 30                   | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| 2-Pentanone / (MPK)                 | NIOSH 1300         | 3M 3500 Badge      | mg         | ppm                | 0.005                | 86.13          | 33        | 3M Rate          | 600  | ppm               | 107-87-9                |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | A             |
| 2-Pentanone / (MPK)                 | NIOSH 1300         | SKC 226-01         | mg         | ppm                | 0.003                | 86.13          |           |                  | 600  | ppm               | 107-87-9                | 0.01-0.2            | 0.5-10               | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| 3-Ethoxypropionic Acid Ethyl Ester  | OSHA PV 2025       | SKC 226-01         | mg         | ppm                | 0.003                | 146.2          |           |                  |      |                   | 763-69-9                | 0.1                 | 10                   | GC/FID               | 2       | \$55                          |                               | \$1         |               |
| 3-Nitroaniline                      | NIOSH 2017         | SKC 225-9004       | mg         | mg/m <sup>3</sup>  | 0.006                | 138.13         |           |                  | 3    | mg/m <sup>3</sup> | 99-09-2                 |                     |                      | HPLC                 |         | \$85                          |                               | \$15        |               |
| 3-Nitroaniline                      | NIOSH 5033 M       | SKC 225-9004       | mg         | ppm                | 0                    | 138.13         |           |                  | 3    | mg/m <sup>3</sup> | 99-09-2                 |                     |                      | HPLC                 |         | \$85                          |                               | \$15        |               |
| 3-Nitroaniline                      | NIOSH 5033 M       | MCE Filter         | mg         | mg/m <sup>3</sup>  | 0.006                | 138.13         |           |                  | 3    | mg/m <sup>3</sup> | 99-09-2                 |                     |                      | HPLC                 |         | \$85                          |                               | \$5         |               |
| 4,4-Methylene-bis (2-chloroaniline) | OSHA 71            | SKC 225-9004       | mg         | ppm                | 0.002                | 267.17         |           |                  | 0.01 | ppm               | 101-14-4                | 1                   | 100                  | GC/ECD               |         | \$85                          |                               | \$15        |               |
| 4-Methyl-2-pentanol                 | OSHA CSI           | 3M 3500 Badge      | mg         | ppm                | 0.005                | 102.18         | 28.9      | 3M Rate          |      |                   | 108-11-2                |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| 4-Methyl-2-pentanol                 | OSHA CSI           | SKC 226-01         | mg         | ppm                | 0.003                | 102.18         |           |                  |      |                   | 108-11-2                | 0.01-0.2            | 1-15                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| 4-Vinyl-1-cyclohexene               | OSHA 56 M          | 3M 3500 Badge      | mg         | ppm                | 0.005                | 108.18         | 27.9      | 3M Rate          | 0.1  | ppm               | 100-40-3                |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | C             |
| 4-Vinyl-1-cyclohexene               | OSHA 56 M          | 3M 3520 Badge      | mg         | ppm                | 0.005                | 108.18         | 27.9      | 3M Rate          | 0.1  | ppm               | 100-40-3                |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| 4-Vinyl-1-cyclohexene               | OSHA 56 M          | SKC 226-01         | mg         | ppm                | 0.003                | 108.18         |           |                  | 0.1  | ppm               | 110-40-3                | 0.05                | 1-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Abamectin                           | HIH In-House Study | Bulk Material      | µg/g       | %                  | Call                 | 873.11         |           |                  | 0.02 | mg/m <sup>3</sup> | 65195-56-4 & 65195-55-3 |                     |                      | HPLC                 |         | \$85                          |                               |             |               |
| Abamectin                           | HIH In-House Study | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.0004               | 873.11         |           |                  | 0.02 | mg/m <sup>3</sup> | 65195-56-4 & 65195-55-3 |                     |                      | HPLC                 |         | \$85                          |                               | \$8         |               |
| Abamectin                           | HIH In-House Study | PVC Filter         | mg         | mg/m <sup>3</sup>  | 0.0004               | 873.11         |           |                  | 0.02 | mg/m <sup>3</sup> | 65195-56-4 & 65195-55-3 |                     |                      | HPLC                 |         | \$85                          |                               | \$5         |               |
| Abamectin                           | HIH In-House Study | SKC 226-30-16      | mg         | mg/m <sup>3</sup>  | 0.0004               | 873.11         |           |                  | 0.02 | mg/m <sup>3</sup> | 65195-56-4 & 65195-55-3 |                     |                      | HPLC                 |         | \$85                          | \$45                          | \$17        |               |
| Abamectin                           | HIH In-House Study | SKC 226-56         | mg         | mg/m <sup>3</sup>  | 0.0004               | 873.11         |           |                  | 0.02 | mg/m <sup>3</sup> | 65195-56-4 & 65195-55-3 |                     |                      | HPLC                 |         | \$85                          | \$45                          | \$26        |               |
| Acenaphthene                        | NIOSH 5515         | PTFE Filter        | mg         | ppm                | 0.01                 | 154.21         |           |                  |      | ppm               | 83-32-9                 | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$8         |               |
| Acenaphthene                        | NIOSH 5515         | SKC 226-30-04      | mg         | ppm                | 0.005                | 154.21         | 2         | 200-1000         |      | ppm               | 83-32-9                 | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      |               |
| Acenaphthylene                      | NIOSH 5515         | PTFE Filter        | mg         | ppm                | 0.01                 | 152.2          | 2         | 200-1000         |      | ppm               | 208-96-8                | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$8         |               |
| Acenaphthylene                      | NIOSH 5515         | SKC 226-30-04      | mg         | ppm                | 0.005                | 152.2          | 2         | 200-1000         |      | ppm               | 208-96-8                | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      |               |
| Acetaldehyde                        | NIOSH 2016 M       | SKC 226-119        | mg         | ppm                | 0.0004               | 44.05          | 2         | 200-1000         | 25   | ppm               | 75-07-0                 | 0.2                 | 200-1000             | HPLC                 | 2,4     | \$85                          | \$40                          | \$6         |               |
| Acetaldehyde                        | NIOSH 2538         | SKC 226-27         | mg         | ppm                | 0.03                 | 44.05          | 0.01-0.05 | 1-12             | 25   | ppm               | 75-07-0                 | 0.01-0.05           | 1-12                 | HPLC                 | 2       | \$85                          | \$40                          | \$8         |               |
| Acetaldehyde                        | OSHA 1007          | SKC 500-100        | mg         | ppm                | 0.002                | 44.05          | 26.6      | SKC 500-100 Rate | 25   | ppm               | 75-07-0                 |                     |                      | HPLC                 | 2       | \$85                          | \$40                          | \$19        |               |
| Acetic acid                         | NIOSH 1603 M       | SKC 575-001        | mg         | ppm                | 0.05                 | 60.05          | 19.6      | SKC 575-001 Rate | 10   | ppm               | 64-19-7                 |                     |                      | GC/FID               |         | \$70                          |                               | \$17        |               |
| Acetic acid                         | NIOSH 1603 M       | 3M 3500 Badge      | mg         | ppm                | 0.03                 | 60.05          | 42.1      | 3M Rate          | 10   | ppm               | 64-19-7                 |                     |                      | GC/FID               |         | \$70                          |                               | \$17        |               |
| Acetic acid                         | NIOSH 1603 M       | 3M 3520 Badge      | mg         | ppm                | 0.03                 | 60.05          | 42.1      | 3M Rate          | 10   | ppm               | 64-19-7                 |                     |                      | GC/FID               |         | \$70                          |                               | \$20        |               |

\* RQLs' are updated periodically.

\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter      | Method                              | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate   | Rate description | TLV | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------|-------------------------------------|-----------------|------------|--------------------|----------------------|----------------|--------|------------------|-----|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Acetic acid    | OSHA ID 186 SG M                    | SKC 226-10-03   | mg         | ppm                | 0.006                | 60.05          |        |                  | 10  | ppm               | 64-19-7     | 0.2-0.5             | 3-100                | IC                   | 3       | \$70                          |                               | \$3.50      |               |
| Acetic acid    | OSHA PV2119                         | SKC 226-01      | mg         | ppm                | 0.006                | 60.05          | 0.01-1 | 20-300           | 10  | ppm               | 64-19-7     | 0.01-1              | 20-300               | IC                   | 3       | \$70                          |                               | \$1         |               |
| Acetic acid    | OSHA PV2119                         | SKC 226-09      | mg         | ppm                | 0.01                 | 60.05          |        |                  | 10  | ppm               | 64-19-7     | 0.01-1              | 20-300               | IC                   | 3       | \$70                          |                               | \$2         |               |
| Acetone        | NIOSH 1300                          | 3M 3500 Badge   | mg         | ppm                | 0.005                | 58.08          | 40.1   | 3M Rate          | 500 | ppm               | 67-64-1     |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        | C             |
| Acetone        | NIOSH 1300                          | SKC 226-01      | mg         | ppm                | 0.003                | 58.08          |        |                  | 500 | ppm               | 67-64-1     | 0.1-0.2             | 0.5-3                | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Acetone        | NIOSH 1300                          | SKC 226-09      | mg         | ppm                | 0.005                | 58.08          |        |                  | 500 | ppm               | 67-64-1     | 0.1-0.2             | 0.5-3                | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Acetone        | NIOSH 1300                          | SKC 575-001     | mg         | ppm                | 0.005                | 58.08          | 15.2   | SKC 575-001 Rate | 500 | ppm               | 67-64-1     |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        |               |
| Acetone        | NIOSH 1500                          | 3M 3520 Badge   | mg         | ppm                | 0.005                | 58.08          | 40.1   | 3M Rate          | 500 | ppm               | 67-64-1     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Acetone        | NIOSH 2016 M                        | SKC 226-120     | mg         | ppm                | 0.001                | 58.08          |        |                  | 500 | ppm               | 67-64-1     |                     |                      | HPLC                 | 2       | \$55                          | \$30                          | \$15        |               |
| Acetonitrile   | NIOSH 1606                          | 3M 3500 Badge   | mg         | ppm                | 0.005                | 41.05          | 48.2   | 3M Rate          | 40  | ppm               | 75-05-8     |                     |                      | GC/FID               | 2, 29   | \$55                          | \$30                          | \$17        |               |
| Acetonitrile   | NIOSH 1606                          | 3M 3520 Badge   | mg         | ppm                | 0.005                | 41.05          | 48.2   | 3M Rate          | 40  | ppm               | 75-05-8     |                     |                      | GC/FID               | 2, 29   | \$55                          | \$30                          | \$20        |               |
| Acetonitrile   | NIOSH 1606                          | SKC 226-01      | mg         | ppm                | 0.005                | 41.05          |        |                  | 40  | ppm               | 75-05-8     | 0.01-0.2            | 3-25                 | GC/FID               | 2, 29   | \$55                          | \$30                          | \$1         |               |
| Acetonitrile   | NIOSH 1606                          | SKC 226-09      | mg         | ppm                | 0.005                | 41.05          |        |                  | 40  | ppm               | 75-05-8     | 0.01-0.2            | 3-25                 | GC/FID               | 2, 29   | \$55                          | \$30                          | \$2         |               |
| Acetonitrile   | NIOSH 1606                          | SKC 226-16      | mg         | ppm                | 0.05                 | 41.05          |        |                  | 40  | ppm               | 75-05-8     |                     |                      | GC/FID               | 2, 29   | \$55                          | \$30                          | \$3         |               |
| Acetonitrile   | NIOSH 1606                          | SKC 575-002     | mg         | ppm                | 0.01                 | 41.05          | 22.4   | SKC 575-002 Rate | 40  | ppm               | 75-05-8     |                     |                      | GC/FID               | 2, 29   | \$55                          | \$30                          | \$19        |               |
| Acetophenone   | OSHA PV 2003                        | SKC 226-35      | mg         | ppm                | 0.003                | 120.15         |        |                  | 10  | ppm               | 98-86-2     |                     |                      | GC/FID               |         | \$50                          |                               | \$4         |               |
| Acetyl Acetone | NIOSH 1501 M                        | SKC 226-01      | mg         | ppm                | 0.003                | 100.12         |        |                  |     |                   | 123-54-6    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Acibenzolar    | Syngenta/CIBA CGA 245704 REM172.05  | SKC 226-58      | mg         | ppm                | 0.002                | 210.28         |        |                  |     |                   | 135158-54-2 |                     |                      | HPLC                 |         | \$98                          |                               | \$21        |               |
| Acrolein       | EPA TO-11                           | SKC 226-119     | mg         | ppm                | 0.001                | 56.06          |        |                  | 0.1 | ppm               | 107-02-8    | 0.1-1.5             | 1-15                 | HPLC                 | 2, 29   | \$85                          |                               | \$6         |               |
| Acrolein       | NIOSH 2016 M                        | SKC 226-119     | mg         | ppm                | 0.0003               | 56.06          |        |                  | 0.1 | ppm               | 107-02-8    | 0.1-1.5             | 1-15                 | HPLC                 | 2, 29   | \$85                          |                               | \$6         |               |
| Acrolein       | NIOSH 2016 M                        | SKC 500-100     | mg         | ppm                | 0.001                | 56.06          | 21.2   | SKC 500-100 Rate | 0.1 | ppm               | 107-02-8    |                     |                      | HPLC                 | 2       | \$85                          |                               | \$19        |               |
| Acrolein       | NIOSH 2501 M SKC Proprietary Method | SKC 226-118     | mg         | ppm                | 0.002                | 56.06          |        |                  | 0.1 | ppm               | 107-02-8    | 0.01-0.1            | 13.48                | GC/FID               | 2       | \$85                          |                               | \$6         |               |
| Acrylic acid   |                                     | SKC 226-70A     | mg         | ppm                | 0.005                | 72.06          |        |                  | 2   | ppm               | 79-10-7     | 0.01                | 48                   | HPLC                 | 1, 31   | \$85                          | \$45                          | \$13        |               |
| Acrylonitrile  | NIOSH 1604                          | 3M 3520 Badge   | mg         | ppm                | 0.003                | 53.06          | 43.8   | 3M Rate          | 2   | ppm               | 107-13-1    |                     |                      | GC/FID               | 2, 30   | \$55                          | \$30                          | \$20        |               |
| Acrylonitrile  | NIOSH 1604                          | SKC 226-01      | mg         | ppm                | 0.002                | 53.06          |        |                  | 2   | ppm               | 107-13-1    | 0.01-0.2            | 3.5-20               | GC/FID               | 2, 30   | \$55                          | \$30                          | \$1         |               |
| Acrylonitrile  | NIOSH 1604                          | SKC 226-09      | mg         | ppm                | 0.003                | 53.06          |        |                  | 2   | ppm               | 107-13-1    |                     |                      | GC/FID               | 2, 30   | \$55                          | \$30                          | \$2         |               |
| Acrylonitrile  | NIOSH 1604                          | SKC 575-002     | mg         | ppm                | 0.003                | 53.06          | 20.4   | SKC 575-002 Rate | 2   | ppm               | 107-13-1    |                     |                      | GC/FID               | 2, 30   | \$55                          | \$30                          | \$19        |               |
| Adipic Acid    | OSHA CSI                            | SKC 226-30-16   | mg         | ppm                | 0.3                  | 146.16         |        |                  | 5   | mg/m <sup>3</sup> | 124-04-9    |                     |                      | GC/FID               |         | \$65                          |                               | \$17        |               |
| Adiponitrile   | OSHA IMIS A509                      | SKC 226-01      | mg         | ppm                | 0.003                | 108.2          |        |                  |     |                   | 111-69-3    | 0.1                 | 10                   | GC/FID               |         | \$55                          |                               | \$1         |               |
| Aerosol, total | NIOSH 0500 M                        | Preweighed PTFE | mg         | mg/m <sup>3</sup>  | 0.01                 |                |        |                  | 100 | mg/m <sup>3</sup> | N/A         | 1-2                 | 25-133               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Aerosol, total | NIOSH 5042 M                        | Preweighed PTFE | mg         | mg/m <sup>3</sup>  | 0.04                 | 200            |        |                  | 100 | mg/m <sup>3</sup> | N/A         | 1-4                 | 28-400               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Alkaline dust  | NIOSH 7303 M                        | PTFE Filter     | mg         | mg/m <sup>3</sup>  | 0.04                 | 40.01          |        |                  | 2   | mg/m <sup>3</sup> |             | 1-4                 | 70-1000              | ICP                  | 4       | \$80                          |                               | \$8         |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter            | Method                       | Media                          | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate  | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------|------------------------------|--------------------------------|------------|--------------------|----------------------|----------------|-------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Allyl alcohol        | NIOSH 1402                   | 3M 3500 Badge                  | mg         | ppm                | 0.01                 | 58.08          | 40.4  | 3M Rate          | 0.5 | ppm               | 107-18-6   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Allyl alcohol        | NIOSH 1402                   | 3M 3520 Badge                  | mg         | ppm                | 0.01                 | 58.08          | 40.4  | 3M Rate          | 0.5 | ppm               | 107-18-6   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Allyl alcohol        | NIOSH 1402                   | SKC 226-01                     | mg         | ppm                | 0.005                | 58.08          |       |                  | 0.5 | ppm               | 107-18-6   | 0.01-0.2            | 1-10                 | GC/FID               | 2, 30   | \$55                          | \$30                          | \$1         |               |
| Allyl alcohol        | NIOSH 1402                   | SKC 226-09                     | mg         | ppm                | 0.01                 | 58.08          |       |                  | 0.5 | ppm               | 107-18-6   |                     |                      | GC/FID               | 2, 30   | \$55                          | \$30                          | \$2         |               |
| Alumina              | NIOSH 7303 M                 | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 80                   | 101.9          |       |                  |     |                   | 1344-28-1  |                     |                      | ICP                  |         | \$31                          |                               | \$5         |               |
| Alumina              | NIOSH 7303 M                 | Prewieghed PVC Filter          | µg         | mg/m <sup>3</sup>  | 80                   | 101.9          |       |                  |     |                   | 1344-28-1  |                     |                      | ICP                  |         | \$31                          |                               | \$8         |               |
| Aluminum (as Al)     | NIOSH 7303 M                 | Client Supplied Matched Weight | µg/g       |                    | 300                  | 26.982         |       |                  | 10  | mg/m <sup>3</sup> | 7429-90-5  | 1-4                 | 5-100                | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Aluminum (as Al)     | NIOSH 7303 M                 | MCE                            | µg         | mg/m <sup>3</sup>  | 10                   | 26.982         |       |                  | 10  | mg/m <sup>3</sup> | 7429-90-5  | 1-4                 | 5-100                | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Aluminum (as Al)     | NIOSH 7303 M                 | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 26.982         |       |                  | 10  | mg/m <sup>3</sup> | 7429-90-5  | 1-4                 | 5-100                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Aluminum (as Al)     | NIOSH 7303 M                 | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 26.982         |       |                  | 10  | mg/m <sup>3</sup> | 7429-90-5  | 1-4                 | 5-100                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Aluminum (as Al)     | NIOSH 7303 M                 | Wipe                           | ug/wipe    |                    | 0.01                 | 26.982         |       |                  | 10  | mg/m <sup>3</sup> | 7429-90-5  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| a-Methyl Styrene     | NIOSH 1501                   | 3M 3520 Badge                  | mg         | ppm                | 0.005                | 118.18         | 25.1  | 3M Rate          | 10  | ppm               | 98-83-9    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$20        |               |
| a-Methyl Styrene     | NIOSH 1501                   | SKC 226-01                     | mg         | ppm                | 0.003                | 118.18         |       |                  | 10  | ppm               | 98-83-9    | 0.01-0.2            | 1-30                 | GC/FID               | 2       | \$50                          | \$30                          | \$1         |               |
| Ammonia              | OSHA ID 188                  | SKC 226-29                     | mg         | ppm                | 0.01                 | 17.03          |       |                  | 25  | ppm               | 7664-41-7  | 0.1-0.5             | 7.5-24               | IC                   | 3       | \$70                          |                               | \$4.50      |               |
| Ammonia              | OSHA ID 188                  | SKC 500-300                    | mg         | ppm                | 0.01                 | 17.03          | 39.92 | SKC 500-300      | 25  | ppm               | 7664-41-7  |                     |                      | IC                   | 3       | \$70                          |                               | \$19        |               |
| Analyte confirmation | GC-MS                        | 3M 3520 Badge                  | mg         | ppm                |                      |                |       | 3M Rate          |     |                   | N/A        | N/A                 | N/A                  | GC/MS                |         | \$110                         |                               | \$20        |               |
| Analyte confirmation | GC-MS                        | Tedlar Bag                     | mg         | ppm                |                      |                |       |                  |     |                   | N/A        | N/A                 | N/A                  | GC/MS                |         | \$110                         |                               | Call        |               |
| Analyte confirmation | GC-MS                        | Client Supplied                | µg/g       | %                  |                      |                |       |                  |     |                   | N/A        | N/A                 | N/A                  | GC/MS                |         | \$110                         |                               | Call        |               |
| Analyte confirmation | GC-MS                        | SKC 226-01                     | mg         | ppm                |                      |                |       |                  |     |                   | N/A        | 0.01-0.2            | 35                   | GC/MS                |         | \$110                         |                               | \$1         |               |
| Aniline              | OSHA PV2079                  | SKC 226-98                     | mg         | ppm                | 0.003                | 93.12          |       |                  | 2   | ppm               | 62-53-3    | 0.02-0.2            | 5-30                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| Anthracene           | NIOSH 5515                   | PTFE Filter                    | mg         | ppm                | 0.01                 | 178.23         |       |                  |     | ppm               | 120-12-7   | 2                   | 200-1000             | GC/FID               | 1, 2    | \$85                          | \$45                          | \$8         |               |
| Anthracene           | NIOSH 5515                   | SKC 226-30-04                  | mg         | ppm                | 0.005                | 178.23         |       |                  |     | ppm               | 120-12-7   | 2                   | 200-1000             | GC/FID               | 1, 2    | \$85                          | \$45                          | \$3.50      |               |
| Anthracene           | OSHA 58                      | SKC 225-7                      | mg         | ppm                | 0.02                 | 178.23         |       |                  |     | ppm               | 120-12-7   | 2                   | 960                  | GC/FID               | 1, 2    | \$85                          | \$45                          | \$8         |               |
| Anthracene           | OSHA 58 M                    | SKC 226-30-04                  | mg         | ppm                | 0.01                 | 178.23         |       |                  |     | ppm               | 120-12-7   | 2                   | 200-1000             | GC/FID               | 1, 2    | \$85                          | \$45                          | \$3.50      |               |
| Antimony (as Sb)     | 40 CFR PART 261, APPENDIX II | Client Supplied                | mg/L       |                    | 1.0                  | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Antimony (as Sb)     | NIOSH 7303 M                 | Bulk Material                  | µg/g       | %                  | 50                   | 121.75         |       |                  |     |                   | 7440-36-0  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | Matched Weight MCE             | µg         | mg/m <sup>3</sup>  | 30                   | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  | 1-4                 | 45                   | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 30                   | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  | 1-4                 | 45                   | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | Prewieghed PVC Filter          | µg         | mg/m <sup>3</sup>  | 30                   | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  | 1-4                 | 45                   | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 30                   | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  | 1-4                 | 45                   | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | SKC IOM                        | µg         | mg/m <sup>3</sup>  | 30                   | 121.75         |       |                  | 0.5 | mg/m <sup>3</sup> | 7440-36-0  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Antimony (as Sb)     | NIOSH 7303 M                 | Wipe                           | µg/wipe    |                    | 0.02                 | 121.75         |       |                  |     |                   | 7440-36-0  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |

\* RQLs' are updated periodically.

\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                      | Method                       | Media                       | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|------------------------------|-----------------------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-----------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic (as As)                | 40 CFR PART 261, APPENDIX II | Client Supplied             | mg/L       |                    | 0.01                 | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |   |   |   |   |   |   |   |   |   |   |   |   |
| Arsenic (as As)                | 40 CFR Part 261, Appendix II | Client Supplied             | mg/L       | N/A                | 0                    | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               | M |   |   |   |   |   |   |   |   |   |   |   |
| Arsenic (as As)                | EPA 1620                     | Soil                        | µg/g       | %                  | 10                   | 74.92          |      |                  |       | N/A       | 7440-38-2   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          |             |               |   | M |   |   |   |   |   |   |   |   |   |   |
| Arsenic (as As)                | EPA Part 50                  | 8" X 10" Glass Fiber Filter | µg         | mg/m³              | 2                    | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$15        |               |   |   | M |   |   |   |   |   |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | Bulk Material               | µg/g       | %                  | 5                    | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |   |   |   | M |   |   |   |   |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | Client Supplied             | µg         |                    | 5                    | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | Call        |               |   |   |   |   | M |   |   |   |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | MCE Filter                  | µg         | mg/m³              | 2                    | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |   |   |   |   |   | M |   |   |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | Paint                       | µg/g       | %                  | 5                    | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |   |   |   |   |   |   | M |   |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | PVC Filter                  | µg         | mg/m³              | 0.2                  | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |   |   |   |   |   |   |   | M |   |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | SOIL                        | µg         | mg/m³              | 10                   | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |   |   |   |   |   |   |   |   | M |   |   |   |
| Arsenic (as As)                | NIOSH 7303 M                 | Wipe                        | ug/wipe    |                    | 30                   | 74.92          |      |                  |       | N/A       | 7440-38-2   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |   |   |   |   |   |   |   |   |   | M |   |   |
| Arsenic (as As)                | NIOSH 9102                   | Wipe                        | ug/wipe    |                    | 30                   | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |   |   |   |   |   |   |   |   |   |   | M |   |
| Arsenic (as As)                | OSHA ID-125G M               | Client Supplied             | µg         | mg/m³              | 2                    | 74.92          |      |                  |       | N/A       | 7440-38-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |   |   |   |   |   |   |   |   |   |   |   | M |
| Arsenic (inorganic as As)      | OSHA ID 105                  | MCE Filter                  | µg         | mg/m³              | 5                    | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   | 2                   | 500                  | ICP                  |         | \$31                          | \$20                          | \$5         |               |   |   |   |   |   |   |   |   |   |   |   |   |
| Arsenic (inorganic as As)      | OSHA ID 105                  | SKC 226-01                  | µg         | mg/m³              | 5                    | 74.92          |      |                  | 0.01  | mg/m³     | 7440-38-2   | 2                   | 500                  | ICP                  |         | \$31                          | \$20                          | \$1         | M             |   |   |   |   |   |   |   |   |   |   |   |   |
| Arsenic trioxide (as As2O3)    | NIOSH 7901                   | Treated Filter              | µg         | mg/m³              | 5                    | 197.84         |      |                  | 0.01  | mg/m³     | 1327-53-3   | 1-3                 | 30-1000              | ICP                  | 11      | \$31                          | \$20                          | \$13        |               | M |   |   |   |   |   |   |   |   |   |   |   |
| Arsine                         | NIOSH 6001 M                 | SKC 226-01                  | µg         | ppm                | 0.02                 | 77.95          |      |                  | 0.005 | ppm       | 7784-42-1   | 0.01-0.2            | 0.1-10               | ICP                  |         | \$35                          |                               | \$1         |               |   | M |   |   |   |   |   |   |   |   |   |   |
| Arsine                         | NIOSH 6001 M                 | SKC 226-09                  | µg         | mg/m³              | 0.3                  | 77.95          |      |                  | 0.005 | ppm       | 7784-42-1   | 0.01-0.2            | 0.1-10               | ICP                  |         | \$35                          |                               | \$2         |               |   |   | M |   |   |   |   |   |   |   |   |   |
| Asbestos (bulk identification) | EPA /600/R-93/116            | Bulk Material               | %          |                    | 0.01                 |                |      |                  |       | N/A       | N/A         |                     | N/A                  | PLM                  | 14      | \$22                          |                               |             |               |   |   |   | M |   |   |   |   |   |   |   |   |
| Asphalt Fumes                  | NIOSH 5042 M                 | PTFE Filter                 | mg         | ppm                | 0.06                 | 42.08          |      |                  |       |           | 8052-42-4   |                     |                      | Gravimetric          | 1       | \$85                          |                               | \$8         |               |   |   |   |   | M |   |   |   |   |   |   |   |
| Atrazine                       | REM 160.03 M                 | PTFE Filter                 | mg         | mg/m³              | 0.001                | 215.69         |      |                  |       |           | 1912-24-9   |                     |                      | HPLC                 |         | \$92                          |                               | \$8         |               |   |   |   |   |   | M |   |   |   |   |   |   |
| Atrazine                       | REM 160.03 M                 | SKC IOM                     | mg         | mg/m³              | 0.001                | 215.69         |      |                  |       |           | 1912-24-9   |                     |                      | HPLC                 |         | \$92                          |                               | \$20        |               |   |   |   |   |   |   | M |   |   |   |   |   |
| Azoxystrobin                   | Study                        | Glass Fiber Filter          | mg         | mg/m³              | 0.002                | 403.4          |      |                  |       |           | 131860-33-8 |                     |                      | HPLC                 |         | \$84                          |                               | \$8         |               |   |   |   |   |   |   |   | M |   |   |   |   |
| Barium (as Ba)                 | HUD                          | Bulk Material               | mg/Kq      | %                  | 300                  | 137.34         |      |                  |       | N/A       | 7440-39-3   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |   |   |   |   |   |   |   |   | M |   |   |   |
| Barium (as Ba)                 | NIOSH 7303 M                 | Client Supplied             | mg/L       |                    | 0.5                  | 137.34         |      |                  |       | N/A       | 7440-39-3   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |   |   |   |   |   |   |   |   |   | M |   |   |
| Barium (as Ba)                 | NIOSH 7303 M                 | MCE Filter                  | µg         | mg/m³              | 10                   | 137.34         |      |                  | 0.5   | mg/m³     | 7440-39-3   | 1-4                 | 50-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |   |   |   |   |   |   |   |   |   |   | M |   |
| Barium (as Ba)                 | NIOSH 7303 M                 | Paint                       | µg/g       | %                  | 300                  | 137.34         |      |                  |       | N/A       | 7440-39-3   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |   |   |   |   |   |   |   |   |   |   |   | M |
| Barium (as Ba)                 | NIOSH 7303 M                 | Prewieghed PVC Filter       | µg         | mg/m³              | 10                   | 137.34         |      |                  |       | N/A       | 7440-39-3   | 1-4                 | 50-2000              | ICP                  |         | \$31                          | \$20                          | \$8         |               |   |   |   |   |   |   |   |   |   |   |   |   |
| Barium (as Ba)                 | NIOSH 7303 M                 | PVC Filter                  | µg         | mg/m³              | 10                   | 137.34         |      |                  |       | N/A       | 7440-39-3   | 1-4                 | 50-2000              | ICP                  |         | \$31                          | \$20                          | \$5         | M             |   |   |   |   |   |   |   |   |   |   |   |   |
| Barium (as Ba)                 | NIOSH 7303 M                 | Wipe                        | µg/wipe    |                    | 10                   | 137.34         |      |                  |       | N/A       | 7440-39-3   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               | M |   |   |   |   |   |   |   |   |   |   |   |
| Benz (a) anthracene            | NIOSH 5515                   | PTFE Filter                 | mg         | ppm                | 0.01                 | 228.29         |      |                  |       | ppm       | 56-55-3     | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$8         |               |   | M |   |   |   |   |   |   |   |   |   |   |
| Benz (a) anthracene            | NIOSH 5515                   | SKC 226-30-04               | mg         | ppm                | 0.005                | 228.29         |      |                  |       | ppm       | 56-55-3     | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      |               |   |   | M |   |   |   |   |   |   |   |   |   |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                | Method       | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------|--------------|--------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Benzaldehyde             | NIOSH 2016 M | SKC 226-119        | mg         | ppm                | 0.0004               | 106.13         |      |                  |     | ppm               | 100-52-7   | 0.1-1.5             | 1-15                 | HPLC                 | 2, 4    | \$85                          |                               | \$6         |               |
| Benzene                  | NIOSH 1501   | 3M 3500 Badge      | mg         | ppm                | 0.002                | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | A,C           |
| Benzene                  | NIOSH 1501   | 3M 3520 Badge      | mg         | ppm                | 0.002                | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Benzene                  | NIOSH 1501   | SKC 226-01         | mg         | ppm                | 0.001                | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | 0.01-0.2            | 5-30                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Benzene                  | NIOSH 1501   | SKC 226-09         | mg         | ppm                | 0.002                | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | 0.01-0.2            | 5-30                 | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Benzene                  | NIOSH 1501   | SKC 575-001        | mg         | ppm                | 0.002                | 78.11          | 16   | SKC 575-001 Rate | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Benzene                  | NIOSH 1501   | SKC 575-002        | mg         | ppm                | 0.002                | 78.11          | 16   | SKC 575-002 Rate | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Benzene                  | NIOSH 1501 M | SKC 226-73         | mg         | ppm                | 0.001                | 78.11          |      |                  | 0.5 | ppm               | 74-43-2    | 0.01-0.2            | 5-30                 | GC/FID               | 2       | \$45                          | \$30                          | \$3         |               |
| Benzene                  | OSHA 1005    | 3M 3500 Badge      | mg         | ppm                | 0.002                | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Benzene                  | OSHA 1005    | 3M 3520 Badge      | mg         | ppm                | 0.002                | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Benzene                  | OSHA 1005    | SKC 226-01         | mg         | ppm                | 0.001                | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | 0.05-0.2            | 0.5-12               | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Benzene                  | OSHA ID 12   | 3M 3500 Badge      | mg         | ppm                |                      | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Benzene                  | OSHA ID 12   | 3M 3520 Badge      | mg         | ppm                |                      | 78.11          | 35.5 | 3M Rate          | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Benzene                  | OSHA ID 12   | Client Supplied    | mg         | ppm                |                      | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    |                     |                      | GC/FID               | 2       | \$50                          | \$35                          | Call        |               |
| Benzene                  | OSHA ID 12   | SKC 226-01         | mg         | ppm                |                      | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | 0.2                 | 5-30                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Benzene                  | OSHA ID 12   | SKC 226-37         | mg         | ppm                |                      | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | 0.2                 | 5-30                 | GC/FID               | 2       | \$45                          | \$30                          | \$5         |               |
| Benzene                  | Study        | Client Supplied    | µg/g       | %                  | 9.0                  | 78.11          |      |                  | 0.5 | ppm               | 71-43-2    | N/A                 | N/A                  | GC/FID               | 2       | \$50                          | \$35                          | Call        |               |
| Benzene soluble fraction | NIOSH 5042   | Prewieghed PTFE    | mg         | mg/m <sup>3</sup>  | 0.07                 |                |      |                  | 0.2 | mg/m <sup>3</sup> | N/A        | 1-4                 | 28-400               | Gravimetric          | 1,3     | \$65                          |                               | \$8         |               |
| Benzidine                | NIOSH 5509   | Glass Fiber Filter | mg         | ppm                | 0.001                | 184.24         |      |                  |     |                   | 92-87-5    | 0.5-1               | 5-300                | HPLC                 | 2       | \$85                          |                               | \$8         |               |
| Benzo (a) pyrene         | NIOSH 5515   | PTFE Filter        | mg         | ppm                | 0.005                | 252.32         |      |                  |     | ppm               | 50-32-8    | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$8         |               |
| Benzo (a) pyrene         | NIOSH 5515   | SKC 226-30-04      | mg         | ppm                | 0.005                | 252.32         |      |                  |     | ppm               | 50-32-8    | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzo (a) pyrene         | OSHA 58      | SKC 225-7          | mg         | ppm                | 0.02                 | 252.32         |      |                  |     | ppm               | 50-32-8    | 2                   | 960                  | HPLC                 | 1,2,3,3 | \$85                          |                               | \$8         |               |
| Benzo (a) pyrene         | OSHA 58 M    | SKC 226-30-04      | mg         | ppm                | 0.01                 | 252.32         |      |                  |     | ppm               | 50-32-8    | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzo (b) fluoranthene   | NIOSH 5515   | PTFE Filter        | mg         | ppm                | 0.01                 | 252.32         |      |                  |     | ppm               | 205-99-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$8         |               |
| Benzo (b) fluoranthene   | NIOSH 5515   | SKC 226-30-04      | mg         | ppm                | 0.005                | 252.32         |      |                  |     | ppm               | 205-99-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzo (e) pyrene         | NIOSH 5515   | PTFE Filter        | mg         | ppm                | 0.01                 | 252.32         |      |                  |     | ppm               | 192-97-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$8         |               |
| Benzo (e) pyrene         | NIOSH 5515   | SKC 226-30-04      | mg         | ppm                | 0.005                | 252.32         |      |                  |     | ppm               | 192-97-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzo (ghi) perylene     | NIOSH 5515   | PTFE Filter        | mg         | ppm                | 0.01                 | 276.34         |      |                  |     | ppm               | 191-24-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$8         |               |
| Benzo (ghi) perylene     | NIOSH 5515   | SKC 226-30-04      | mg         | ppm                | 0.005                | 276.34         |      |                  |     | ppm               | 191-24-2   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzo (k) fluoranthene   | NIOSH 5515   | PTFE Filter        | mg         | ppm                | 0.01                 | 252.32         |      |                  |     | ppm               | 207-08-9   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$8         |               |
| Benzo (k) fluoranthene   | NIOSH 5515   | SKC 226-30-04      | mg         | ppm                | 0.005                | 252.32         |      |                  |     | ppm               | 207-08-9   | 2                   | 200-1000             | GC/FID               | 1,2,3,3 | \$85                          | \$45                          | \$3.50      |               |
| Benzyl alcohol           | OSHA PV 2009 | SKC 226-94         | mg         | ppm                | 0.003                | 108.14         |      |                  |     |                   | 100-51-6   |                     |                      | GC/FID               | 2       | \$60                          | \$30                          | \$3         |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.



HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter         | Method                       | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV     | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------|------------------------------|--------------------|------------|--------------------|----------------------|----------------|------|------------------|---------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Benzyl alcohol    | OSHA PV 2009                 | SKC 226-95         | mg         | ppm                | 0.003                | 108.14         |      |                  |         |                   | 100-51-6   | .2                  | 24                   | GC/FID               | 2       | \$60                          | \$30                          | \$3         |               |
| Benzyl chloride   | NIOSH 1003                   | SKC 226-01         | mg         | ppm                | 0.003                | 126.58         |      |                  | 1       | ppm               | 100-40-7   | 0.01-0.2            | 10                   | GC/FID               |         | \$45                          | \$30                          | \$1         |               |
| Beryllium (as Be) | NIOSH 7303 M                 | Bulk Material      | µg         | mg/m <sup>3</sup>  | 0.5                  | 9.01           |      |                  | 0.00005 | mg/m <sup>3</sup> | 7440-41-7  | 1-4                 | 1250-2000            | ICP                  |         | \$31                          | \$20                          |             | M             |
| Beryllium (as Be) | NIOSH 7303 M                 | Matched Weight MCE | µg         | mg/m <sup>3</sup>  | 0.03                 | 9.01           |      |                  | 0.00005 | mg/m <sup>3</sup> | 7440-41-7  | 1-4                 | 1250-2000            | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Beryllium (as Be) | NIOSH 7303 M                 | MCE Filter         | µg         | mg/m <sup>3</sup>  | 0.03                 | 9.01           |      |                  | 0.00005 | mg/m <sup>3</sup> | 7440-41-7  | 1-4                 | 1250-2000            | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Beryllium (as Be) | NIOSH 7303 M                 | PVC Filter         | µg         | mg/m <sup>3</sup>  | 0.03                 | 9.01           |      |                  | 0.00005 | mg/m <sup>3</sup> | 7440-41-7  | 1-4                 | 1250-2000            | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Beryllium (as Be) | NIOSH 7303 M                 | SKC IOM            | mg         | ppm                | 0.03                 | 9.01           |      |                  |         |                   | 7440-41-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Beryllium (as Be) | NIOSH 7303 M                 | Wipe               | µg/wipe    |                    | 0.5                  | 9.01           |      |                  |         |                   | 7440-41-7  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Beryllium (as Be) | NIOSH 7303 M                 | MCE Filter         | µg         | mg/m <sup>3</sup>  | 0.02                 | 9.01           |      |                  |         |                   | 7440-41-7  | N/A                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| beta-Cyfluthrin   | Study                        | Glass Fiber Filter | mg         | ppm                | 0.002                | 434.29         |      |                  |         | ppm               | 68359-37-5 |                     |                      | HPLC                 |         | \$90                          |                               | \$8         |               |
| beta-Cyfluthrin   | Study                        | SKC 226-56         | mg         | ppm                | 0.002                | 434.29         |      |                  |         | ppm               | 68359-37-5 |                     |                      | HPLC                 |         | \$90                          |                               | \$26        |               |
| Biphenyl          | NIOSH 2530                   | SKC 226-35-01      | mg         | ppm                | 0.004                | 154.2          |      |                  | 0.2     | ppm               | 92-52-4    | 0.01-0.5            | 15-30                | GC/FID               |         | \$55                          |                               | \$7         |               |
| Biphenyl oxide    | OSHA PV 2022                 | SKC 226-95         | mg         | ppm                | 0.003                | 170.2          |      |                  | 1       | ppm               | 101-84-8   |                     |                      | GC/FID               |         | \$75                          |                               | \$8         |               |
| Bismuth (as Bi)   | NIOSH 7303 M                 | Bulk Material      | µg/g       | %                  | 300                  | 208.98         |      |                  |         |                   | 7440-69-9  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Bismuth (as Bi)   | NIOSH 7303 M                 | MCE Filter         | µg         | mg/m <sup>3</sup>  | 20                   | 208.98         |      |                  |         | mg/m <sup>3</sup> | 7440-69-9  | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Bismuth (as Bi)   | NIOSH 7303 M                 | PVC Filter         | µg         | mg/m <sup>3</sup>  | 20                   | 208.98         |      |                  |         |                   | 7440-69-9  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Bismuth (as Bi)   | NIOSH 7303 M                 | Wipe               | µg         | mg/m <sup>3</sup>  | 5                    | 208.98         |      |                  |         | mg/m <sup>3</sup> | 7440-69-9  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Bisphenol A       | OSHA 1018                    | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.001                | 228.29         |      |                  |         | ppm               | 80-05-7    | 1.5                 | 360                  | HPLC                 |         | \$88                          |                               | \$8         |               |
| Boron (as B)      | 40 CFR PART 261, APPENDIX II | Client Supplied    | mg/L       |                    | 1                    | 10.81          |      |                  |         |                   | 7440-42-8  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Boron (as B)      | NIOSH 7303 M                 | Client Supplied    | µg         | mg/m <sup>3</sup>  | 10                   | 10.81          |      |                  |         | mg/m <sup>3</sup> | 7440-42-8  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Boron (as B)      | NIOSH 7303 M                 | MCE Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 10.81          |      |                  |         |                   | 7440-42-8  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Boron (as B)      | NIOSH 7303 M                 | PVC Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 10.81          |      |                  |         |                   | 7440-82-8  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Boron (as B)      | OSHA CSI                     | MCE Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 10.81          |      |                  |         |                   | 7440-42-8  | 2                   | 960                  | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Bromine           | NIOSH 6011                   | SKC 225-9006       | mg         | ppm                | 0.01                 | 159.82         |      |                  |         |                   | 7726-95-6  |                     |                      | IC                   |         | \$82                          |                               | \$47        |               |
| Bromoform         | NIOSH 1003                   | SKC 226-09         | mg         | ppm                | 0.006                | 252.73         |      |                  |         |                   | 75-25-2    |                     |                      | GC/FID               |         | \$75                          | \$45                          | \$2         |               |
| Bromoform         | NIOSH 1003 M                 | Client Supplied    | µg/g       | %                  | 1                    | 252.73         |      |                  |         |                   | 75-25-2    |                     |                      | GC/FID               |         | \$75                          | \$45                          | Call        |               |
| BTEX              | NIOSH 1501                   | 3M 3500 Badge      | mg         | ppm                | 0.002-0.02           |                |      | 3M Rate          |         | ppm               | N/A        |                     |                      | GC/FID               | 2       | \$135                         |                               | \$17        | A,C           |
| BTEX              | NIOSH 1501                   | 3M 3520 Badge      | mg         | ppm                | 0.002-0.02           |                |      | 3M Rate          |         |                   | N/A        |                     |                      | GC/FID               | 2       | \$135                         |                               | \$20        |               |
| BTEX              | NIOSH 1501                   | SKC 226-01         | mg         | ppm                | 0.001-0.01           |                |      |                  |         | ppm               | N/A        | 0.2                 | 5-30                 | GC/FID               | 2       | \$135                         |                               | \$1         |               |
| BTEX              | NIOSH 1501                   | SKC 226-09         | mg         | ppm                | 0.002-0.02           |                |      |                  |         | ppm               | N/A        | 0.2                 | 5-30                 | GC/FID               | 2       | \$135                         |                               | \$2         |               |
| BTX               | NIOSH 1501                   | SKC 226-01         | mg         | ppm                | 0.002-0.02           |                |      |                  |         |                   | N/A        | 0.2                 | 5-30                 | GC/FID               | 2       | \$105                         |                               | \$1         | A             |
| BTS               | NIOSH 1501                   | SKC 226-01         | mg         | ppm                | 0.001-0.08           |                |      |                  |         |                   | N/A        |                     |                      | GC/FID               | 2       | \$105                         |                               | \$1         | A,C           |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                | Method                       | Media                            | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>o</sup> analyte | Price 2 <sup>o</sup> analyte | Media Price | Compatibility |
|--------------------------|------------------------------|----------------------------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-------------------|------------|---------------------|----------------------|----------------------|---------|------------------------------|------------------------------|-------------|---------------|
| Butyl acrylate           | NON 35                       | SKC 226-81A                      | mg         | ppm                | 0.003                | 128.17         |      |                  | 2     | ppm               | 141-32-2   | 0.05-0.2            | 10                   | GC/FID               | 2       | \$55                         | \$30                         | \$3         |               |
| Butyl acrylate           | OSHA PV 2011                 | SKC 226-09                       | mg         | ppm                | 0.005                | 128.17         |      |                  | 2     | ppm               | 141-32-2   |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$2         |               |
| Butyl acrylate           | OSHA PV 2011                 | SKC 226-73                       | mg         | ppm                | 0.01                 | 128.17         |      |                  | 2     | ppm               | 141-32-2   | 0.05                | 12                   | GC/FID               | 2       | \$55                         | \$30                         | \$3         |               |
| Butyl acrylate           | OSHA PV2011 M                | 3M 3500 Badge                    | mg         | ppm                | 0.005                | 128.17         | 27.3 | 3M Rate          | 2     | ppm               | 141-32-2   |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$17        |               |
| Butyl Carbitol           | OSHA PV2095 M                | 3M 3500 Badge                    | mg         | ppm                | 0.005                | 162.22         | 23.5 | 3M Rate          |       |                   | 112-34-5   |                     |                      | GC/FID               |         | \$55                         | \$30                         | \$17        |               |
| Butyl cellosolve         | NIOSH 1403                   | 3M 3500 Badge                    | mg         | ppm                | 0.005                | 118.18         | 28.2 | 3M Rate          | 20    | ppm               | 112-07-2   |                     |                      | GC/FID               | 2,3     | \$55                         |                              | \$17        | D             |
| Butyl cellosolve         | NIOSH 1403                   | 3M 3520 Badge                    | mg         | ppm                | 0.005                | 118.18         | 28.2 | 3M Rate          | 20    | ppm               | 111-76-2   |                     |                      | GC/FID               | 2,3     | \$55                         |                              | \$20        |               |
| Butyl cellosolve         | NIOSH 1403                   | SKC 226-01                       | mg         | ppm                | 0.003                | 118.18         |      |                  | 20    | ppm               | 112-07-2   | 0.01-0.05           | 1-50                 | GC/FID               | 2,3     | \$55                         |                              | \$1         |               |
| Butyl glycidyl ether     | NIOSH 1616 M                 | 3M 3500 Badge                    | mg         | ppm                | 0.005                | 130.19         | 27   | 3M Rate          | 25    | ppm               | 2426-08-6  |                     |                      | GC/FID               | 2       | \$55                         | \$30                         | \$17        |               |
| Butyl Methacrylate       | NIOSH 2537 M                 | SKC 226-30-04                    | mg         | ppm                | 0.003                | 142.2          |      |                  |       | ppm               | 97-88-1    |                     |                      | GC/FID               | 2       | \$55                         |                              | \$3.50      |               |
| Butylated hydroxytoluene | OSHA PV2108                  | SKC 226-57                       | mg         | mg/m <sup>3</sup>  | 0.006                | 220.34         |      |                  | 2     | mg/m <sup>3</sup> | 128-37-0   | 1.0                 | 100                  | GC/FID               | 2       | \$65                         |                              | \$21        |               |
| Butyric Acid             | OSHA CSI M                   | SKC 226-10-03                    | mg         | mg/m <sup>3</sup>  | 0.02                 | 88.12          |      |                  |       |                   | 107-92-6   |                     |                      | IC                   |         | \$80                         |                              | \$3.50      |               |
| Butyric Acid             | OSHA IMIS 8709               | SKC 226-01                       | mg         | ppm                | 0.02                 | 88.12          |      |                  |       |                   | 107-92-6   |                     |                      | IC                   |         | \$80                         |                              | \$1         |               |
| Butyric Acid             | OSHA IMIS 8709               | SKC 226-10-03                    | mg         | ppm                | 0.02                 | 88.12          |      |                  |       |                   | 107-92-6   |                     |                      | IC                   |         | \$80                         |                              | \$3.50      |               |
| Cadmium (as Cd)          | 40 CFR Part 261, Appendix II | Client Supplied                  | mg/L       |                    | 0.01                 | 112.41         |      |                  |       | N/A               | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         | Call        | M             |
| Cadmium (as Cd)          | EPA 1620                     | Soil                             | µg/g       | %                  | 5                    | 112.41         |      |                  |       | N/A               | 7440-43-9  | N/A                 | N/A                  | ICP                  |         | \$31                         | \$20                         |             |               |
| Cadmium (as Cd)          | EPA Part 50                  | 8" X 10" Glass Fiber Filter      | µg         | mg/m <sup>3</sup>  | 0.4                  | 112.41         |      |                  | 0.002 | mg/m <sup>3</sup> | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         | \$15        |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | Bulk Material                    | µg/g       | %                  | 5                    | 112.41         |      |                  |       | N/A               | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         |             |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | Matched Weight MCE               | µg         | mg/m <sup>3</sup>  | 0.3                  | 112.41         |      |                  | 0.002 | mg/m <sup>3</sup> | 7440-43-9  | 1-4                 | 13-2000              | ICP                  |         | \$31                         | \$20                         | \$8         |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | MCE Filter                       | µg         | mg/m <sup>3</sup>  | 0.3                  | 112.41         |      |                  | 0.01  | mg/m <sup>3</sup> | 7440-43-9  | 1-4                 | 13-2000              | ICP                  |         | \$31                         | \$20                         | \$5         |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | Paint                            | µg/g       | %                  | 5                    | 112.41         |      |                  |       | N/A               | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         |             |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | PVC Filter                       | µg         | mg/m <sup>3</sup>  | 0.3                  | 112.41         |      |                  | 0.01  | mg/m <sup>3</sup> | 7440-43-9  | 1-4                 | 5-200                | ICP                  |         | \$31                         | \$20                         | \$5         |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | SKC IOM                          | µg         | mg/m <sup>3</sup>  | 0.3                  | 112.41         |      |                  |       | N/A               | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         | \$20        |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | Wipe                             | µg/wipe    |                    | 0.3                  | 112.41         |      |                  | 0.002 | mg/m <sup>3</sup> | 7440-43-9  | N/A                 | N/A                  | ICP                  |         | \$31                         | \$20                         | \$0.50      |               |
| Cadmium (as Cd)          | NIOSH 7303 M                 | MCE Filter                       | µg         | mg/m <sup>3</sup>  | 0.3                  | 112.41         |      |                  |       | N/A               | 7440-43-9  |                     |                      | ICP                  |         | \$31                         | \$20                         | \$5         |               |
| Calcium (as Ca)          | 40 CFR PART 261, APPENDIX II | Client Supplied                  | µg/g       | %                  | 50                   | 40.08          |      |                  | 10    | mg/m <sup>3</sup> | 7440-70-2  |                     |                      | ICP                  |         | \$31                         | \$20                         | Call        |               |
| Calcium (as Ca)          | NIOSH 7303 M                 | MCE Filter                       | µg         | mg/m <sup>3</sup>  | 10                   | 40.08          |      |                  | 10    | mg/m <sup>3</sup> | 7440-70-2  | 1-4                 | 5-200                | ICP                  |         | \$31                         | \$20                         | \$5         |               |
| Calcium (as Ca)          | NIOSH 7303 M                 | PVC Filter                       | µg         | mg/m <sup>3</sup>  | 10                   | 40.08          |      |                  | 10    | mg/m <sup>3</sup> | 7440-70-2  |                     |                      | ICP                  |         | \$31                         | \$20                         | \$5         |               |
| Caprolactam              | OSHA PV 2012                 | SKC 226-57                       | mg         | ppm                | SUB                  | 113.18         |      |                  | 5     | mg/m <sup>3</sup> | 105-60-2   |                     |                      | GC                   |         | \$100                        |                              | \$21        |               |
| Carbofuran               | AOAC 2007.01M                | Client Supplied                  | µg/g       | %                  | 3                    | 221.25         |      |                  |       |                   | 1563-66-2  |                     |                      | HPLC                 |         | \$90                         |                              | Call        |               |
| Carbon black             | NIOSH 0500 M                 | SKC 25 mm PVC Matched Weight MCE | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  |       |                   | 1333-86-4  |                     |                      | Gravimetric          |         | \$75                         |                              | \$1         |               |
| Carbon black             | NIOSH 5100                   |                                  | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  |       |                   | 1333-86-4  |                     |                      | Gravimetric          |         | \$75                         |                              | \$8         |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter            | Method                       | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------|------------------------------|-----------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Carbon black         | OSHA ID 196                  | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 3.5 | mg/m <sup>3</sup> | 1333-86-4  | 2                   | 480-960              | Gravimetric          |         | \$75                          |                               | \$8         |               |
| Carbon disulfide     | NIOSH 1600 M                 | 3M 3500 Badge         | mg         | ppm                | 0.05                 | 76.14          | 42.8 | 3M Rate          | 10  | ppm               | 75-15-0    |                     |                      | GC/ECD               | 2       | \$65                          |                               | \$17        |               |
| Carbon disulfide     | NIOSH 1600 M                 | 3M 3520 Badge         | mg         | ppm                | 0.05                 | 76.14          | 42.8 | 3M Rate          | 10  | ppm               | 75-15-0    |                     |                      | GC/ECD               | 2       | \$65                          |                               | \$20        |               |
| Carbon disulfide     | NIOSH 1600 M                 | SKC 226-01            | mg         | ppm                | 0.03                 | 76.14          |      |                  | 10  | ppm               | 75-15-0    | 0.01-0.2            | 2-25                 | GC/ECD               | 2       | \$65                          |                               | \$1         |               |
| Carbon disulfide     | NIOSH 1600 M                 | SKC 226-09            | mg         | ppm                | 0.03                 | 76.14          |      |                  | 10  | ppm               | 75-15-0    |                     |                      | GC/ECD               | 2       | \$65                          |                               | \$2         |               |
| Carbon tetrachloride | NIOSH 1003                   | SKC 226-01            | mg         | ppm                | 0.02                 | 153.82         |      |                  | 5   | ppm               | 56-23-5    | 0.01-0.2            | 15                   | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Carbon tetrachloride | NIOSH 1003 M                 | 3M 3520 Badge         | mg         | ppm                | 0.005                | 153.82         | 30.2 | 3M Rate          | 5   | ppm               | 56-23-5    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Catechol             | OSHA PV 2014 M               | SKC 226-57            | mg         | ppm                | 0.004                | 110.11         |      |                  |     |                   | 120-80-9   |                     |                      | HPLC                 |         | \$90                          |                               | \$21        |               |
| Chlordane            | OSHA 67                      | SKC 226-30-16         | mg         | ppm                | 0.002                | 409.8          |      |                  | 0.5 | mg/m <sup>3</sup> | 57-74-9    | 1                   | 480                  | GC/ECD               |         | \$65                          | \$30                          | \$17        |               |
| Chlorine             | NIOSH 6011                   | SKC 225-9006          | mg         | ppm                | 0.005                | 70.91          |      |                  | 0.5 | ppm               | 7782-50-5  | 0.3-1               | 2-90                 | IC                   | 1       | \$60                          | \$30                          | \$47        |               |
| Chlorine dioxide     | OSHA ID 202                  | Impinger              | mg         | ppm                | 0.007                | 67.46          |      |                  | 0.1 | ppm               | 10049-04-4 | 0.5                 | 120                  | IC                   | 11      | \$62                          | \$30                          | Call        |               |
| Chloroform           | NIOSH 1003                   | 3M 3500 Badge         | mg         | ppm                | 0.005                | 119.38         | 33.5 | 3M Rate          | 10  | ppm               | 67-66-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | C             |
| Chloroform           | NIOSH 1003                   | 3M 3520 Badge         | mg         | ppm                | 0.005                | 119.38         | 33.5 | 3M Rate          | 10  | ppm               | 67-66-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Chloroform           | NIOSH 1003                   | SKC 226-01            | mg         | ppm                | 0.003                | 119.38         |      |                  | 10  | ppm               | 67-66-3    | 0.01-0.2            | 15                   | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Chlorothalonil       | OSHA IMIS C629               | Client Supplied       | mg         | ppm                | 0.0001               | 265.91         |      |                  |     |                   | 1897-45-6  |                     |                      | GC/ECD               |         | \$90                          |                               | Call        |               |
| Chlorothalonil       | OSHA IMIS C629 M             | Glass Fiber Filter    | mg         | mg/m <sup>3</sup>  | 0.002                | 265.91         |      |                  |     |                   | 1897-45-6  | 1                   | 180                  | HPLC                 |         | \$90                          |                               | \$8         |               |
| Chlorothalonil       | OSHA IMIS C629 M             | PVC Filter            | mg         | mg/m <sup>3</sup>  | 0.002                | 265.91         |      |                  |     |                   | 1897-45-6  | 1                   | 180                  | HPLC                 |         | \$90                          |                               | \$5         |               |
| Chlorothalonil       | OSHA IMIS C629 M             | SKC 226-107           | mg         | mg/m <sup>3</sup>  | 0.01                 | 265.91         |      |                  |     |                   | 1897-45-6  | 1                   | 180                  | HPLC                 |         | \$90                          |                               | \$8         |               |
| Chlorothalonil       | OSHA IMIS C629 M             | SKC 226-30-16         | mg         | mg/m <sup>3</sup>  | 0.002                | 265.91         |      |                  |     | mg/m <sup>3</sup> | 1897-45-6  |                     |                      | HPLC                 |         | \$90                          |                               | \$17        |               |
| Chlorpyrifos         | OSHA 62 M                    | Glass Fiber Filter    | mg         | ppm                | 0.002                | 350.59         |      |                  | 0.1 | mg/m <sup>3</sup> | 2921-88-2  | 1                   | 480                  | HPLC                 |         | \$90                          |                               | \$8         |               |
| Chlorpyrifos         | OSHA 62 M                    | SKC 226-58            | mg         | mg/m <sup>3</sup>  | 0.0005               | 350.59         |      |                  | 0.1 | mg/m <sup>3</sup> | 2921-88-2  | 1                   | 480                  | HPLC                 |         | \$90                          |                               | \$21        |               |
| Chromium (as Cr)     | 40 CFR Part 261, Appendix II | Client Supplied       | mg/L       |                    | 0.05                 | 52             |      |                  |     | N/A               | 7440-47-3  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Chromium (as Cr)     | EPA 1620                     | Soil                  | µg/g       | %                  | 30                   | 52             |      |                  |     | N/A               | 7440-47-3  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          |             |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | Bulk Material         | µg/g       | %                  | 30                   | 52             |      |                  | 0.5 | N/A               | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          |             |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | Matched Weight MCE    | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  | 0.5 | mg/m <sup>3</sup> | 7440-47-3  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | Matched Weight MCE    | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  | 0.5 | mg/m <sup>3</sup> | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | MCE Filter            | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  | 0.5 | mg/m <sup>3</sup> | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | Paint                 | µg/g       | %                  | 30                   | 52             |      |                  |     | N/A               | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          |             |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | Prewieghed PVC Filter | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  | 0.5 | mg/m <sup>3</sup> | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | PVC Filter            | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  | 0.5 | mg/m <sup>3</sup> | 7440-47-3  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | SKC IOM               | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  |     | N/A               | 7440-47-3  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Chromium (as Cr)     | NIOSH 7303 M                 | SOIL                  | µg/g       | %                  | 30                   | 52             |      |                  |     | N/A               | 7440-47-3  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                               | Method                       | Media                          | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique     | Comment | Price 1 <sup>o</sup> analyte | Price 2 <sup>o</sup> analyte | Media Price | Compatibility |
|---|------------------------------|--------------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|-------------|---------------------|----------------------|--------------------------|---------|------------------------------|------------------------------|-------------|---------------|
| Chromium (as Cr)                        | NIOSH 7303 M                 | Wipe                           | ug/wipe    |                    | 1                    | 52             |      |                  | 0.5  | mg/m <sup>3</sup> | 7440-47-3   | N/A                 | N/A                  | ICP                      |         | \$31                         | \$20                         | \$0.50      |               |
| Chromium (as Cr)                        | NIOSH 7303 M                 | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 2                    | 52             |      |                  |      | N/A               | 7440-47-3   |                     |                      | ICP                      |         | \$31                         | \$20                         | \$5         |               |
| Chromium (as Cr)                        | NIOSH 7303 M                 | Paint                          | µg/g       | %                  | 30                   | 52             |      |                  |      | N/A               | 7440-47-3   |                     |                      | ICP                      |         | \$31                         | \$20                         |             |               |
| Chromium (as Cr)                        | OSHA ID-125G M               | Client Supplied                | µg/g       | %                  | 30                   | 52             |      |                  |      | mg/m <sup>3</sup> | 7440-47-3   | 2                   | 480                  | ICP                      |         | \$31                         | \$20                         | Call        |               |
| <b>Chromium, hexavalent</b>             | NIOSH 7600                   | MCE Filter                     | µg         | µg/m <sup>3</sup>  | 1                    | 52             |      |                  | 5    | µg/m <sup>3</sup> | 18540-29-9  | 1-4                 | 8-400                | UV/VIS Spectrophotometry |         | \$90                         |                              | \$5         |               |
| Chromium, hexavalent                    | NIOSH W4001                  | Wipe                           | ug/wipe    |                    | 0.03                 | 52             |      |                  | 5    | µg/m <sup>3</sup> | 18540-29-9  | N/A                 | N/A                  | IC                       |         | \$90                         |                              | \$0.50      |               |
| Chromium, hexavalent                    | OSHA ID 215 V.2              | PVC Filter                     | µg         | µg/m <sup>3</sup>  | 0.03                 | 52             |      |                  | 5    | µg/m <sup>3</sup> | 18540-29-9  | 2                   | 960                  | IC                       | 3,4     | \$90                         |                              | \$5         |               |
| Chromium, hexavalent                    | OSHA ID 215 V2 M             | Bulk Material                  | µg/g       | %                  | 0.3                  | 52             |      |                  | 5    | µg/m <sup>3</sup> | 18540-29-9  |                     |                      | IC                       |         | \$90                         |                              |             |               |
| Chromium, hexavalent                    | OSHA W4001                   | Wipe                           | µg/wipe    |                    | 0.03                 | 52             |      |                  | 5    | µg/m <sup>3</sup> | 18540-29-9  |                     |                      | IC                       |         | \$90                         |                              | \$0.50      |               |
| <b>Chromium, hexavalent (insoluble)</b> | NIOSH 7600                   | MCE Filter                     | mg         | mg/m <sup>3</sup>  | 1                    | 51.996         |      |                  | 0.01 | mg/m <sup>3</sup> | 18540-29-9  | 1-4                 | 8-400                | UV/VIS Spectrophotometry |         | \$90                         |                              | \$5         |               |
| <b>Chrysene</b>                         | NIOSH 5515                   | PTFE Filter                    | mg         | ppm                | 0.005                | 228.29         |      |                  |      | ppm               | 218-01-9    | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                         | \$35                         | \$8         |               |
| Chrysene                                | NIOSH 5515                   | SKC 226-30-04                  | mg         | ppm                | 0.005                | 228.29         |      |                  |      | ppm               | 218-01-9    | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                         | \$35                         | \$4         |               |
| Chrysene                                | OSHA 58                      | SKC 225-7                      | mg         | ppm                | 0.005                | 228.29         |      |                  |      | ppm               | 218-01-9    | 2                   | 960                  | HPLC                     | 1,2,28  | \$85                         | \$35                         | \$8         |               |
| Chrysene                                | OSHA 58 M                    | SKC 226-30-04                  | mg         | ppm                | 0.005                | 228.29         |      |                  |      |                   | 218-01-9    |                     |                      | GC/FID                   | 1,2     | \$85                         | \$35                         | \$4         |               |
| <b>Clothianidin</b>                     | Study                        | Glass Fiber Filter             | mg         | ppm                | 0.002                | 249.7          |      |                  |      |                   | 210880-92-5 |                     |                      | HPLC                     |         | \$90                         |                              | \$8         |               |
| <b>Coal tar pitch volatiles</b>         | NIOSH 5515                   | SKC 225-7                      | mg         | ppm                | 0.05                 |                |      |                  |      |                   | 65996-93-2  | 2                   | 200-1000             | Gravimetric              | 1       | \$75                         |                              | \$8         |               |
| Coal tar pitch volatiles                | OSHA 58                      | SKC 225-7                      | mg         | mg/m <sup>3</sup>  | 0.05                 |                |      |                  | 0.2  | mg/m <sup>3</sup> | 65996-93-2  | 2                   | 960                  | Gravimetric              | 1       | \$75                         |                              | \$8         |               |
| <b>Cobalt (as Co)</b>                   | 40 CFR PART 261, APPENDIX II | Client Supplied                | mg/L       |                    | 0.1                  | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   |                     |                      | ICP                      |         | \$31                         | \$20                         | Call        |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | Bulk Material                  | µg/g       | %                  | 50                   | 58.93          |      |                  |      |                   | 7440-48-4   |                     |                      | ICP                      |         | \$31                         | \$20                         |             |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | Client Supplied Matched Weight | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   | 1-4                 | 25-2000              | ICP                      |         | \$31                         | \$20                         | Call        |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | MCE                            | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   |                     |                      | ICP                      |         | \$31                         | \$20                         | \$8         |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | Matched Weight MCE             | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   | 1-4                 | 25-2000              | ICP                      |         | \$31                         | \$20                         | \$8         |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   | 1-4                 | 25-2000              | ICP                      |         | \$31                         | \$20                         | \$5         |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | Prewieghed PVC Filter          | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   | 1-4                 | 25-2000              | ICP                      |         | \$31                         | \$20                         | \$8         |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   | 1-4                 | 25-2000              | ICP                      |         | \$31                         | \$20                         | \$5         |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | SKC IOM                        | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  | 0.02 | mg/m <sup>3</sup> | 7440-48-4   |                     |                      | ICP                      |         | \$31                         | \$20                         | \$20        |               |
| Cobalt (as Co)                          | NIOSH 7303 M                 | Wipe                           | µg         | mg/m <sup>3</sup>  | 3                    | 58.93          |      |                  |      |                   | 7440-48-4   | N/A                 | N/A                  | ICP                      |         | \$31                         | \$20                         | \$0.50      |               |
| <b>Copper (as Cu)</b>                   | 40 CFR PART 261, APPENDIX II | Client Supplied                | mg/L       |                    | 0.05                 | 63.54          |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-50-8   |                     |                      | ICP                      |         | \$31                         | \$20                         | Call        | <b>M</b>      |
| Copper (as Cu)                          | NIOSH 7303 M                 | Bulk Material                  | µg/g       | %                  | 30                   | 63.54          |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-50-8   |                     |                      | ICP                      |         | \$31                         | \$20                         |             |               |
| Copper (as Cu)                          | NIOSH 7303 M                 | Client Supplied Matched Weight | µg/g       | %                  | 30                   | 63.54          |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-50-8   | 1-4                 | 5-1000               | ICP                      |         | \$31                         | \$20                         | Call        |               |
| Copper (as Cu)                          | NIOSH 7303 M                 | MCE                            | µg         | mg/m <sup>3</sup>  | 2                    | 63.54          |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-50-8   | 1-4                 | 5-1000               | ICP                      |         | \$31                         | \$20                         | \$8         |               |
| Copper (as Cu)                          | NIOSH 7303 M                 | Matched Weight MCE             | µg         | mg/m <sup>3</sup>  | 2                    | 63.54          |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-50-8   | 1-4                 | 5-1000               | ICP                      |         | \$31                         | \$20                         | \$8         |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                       | Method              | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|---------------------------------|---------------------|-----------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-----------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Copper (as Cu)                  | NIOSH 7303 M        | MCE Filter            | µg         | mg/m³              | 2                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Copper (as Cu)                  | NIOSH 7303 M        | Prewieghed PVC Filter | µg         | mg/m³              | 2                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Copper (as Cu)                  | NIOSH 7303 M        | PVC Filter            | µg         | mg/m³              | 2                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Copper (as Cu)                  | NIOSH 7303 M        | SKC IOM               | µg         | mg/m³              | 2                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Copper (as Cu)                  | NIOSH 7303 M        | Wipe                  | µg/wipe    |                    | 5                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Copper (as Cu)                  | NIOSH 7303 M        | PVC Filter            | µg         | mg/m³              | 2                    | 63.54          |      |                  | 0.2 | mg/m³     | 7440-50-8  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| <b>Cresol, total</b>            | NIOSH 2546          | SKC 226-95            | mg         | ppm                | 0.01                 | 108.14         |      |                  | 5   | ppm       | 1319-77-3  | 0.01-0.1            | 1-24                 | GC/FID               | 2       | \$85                          | \$45                          | \$3         |               |
| Cresol, total                   | OSHA 32             | SKC 226-95            | mg         | ppm                | 0.01                 | 108.14         |      |                  | 5   | ppm       | 1319-77-3  | 0.1                 | 32                   | HPLC                 | 2       | \$85                          | \$45                          | \$3         |               |
| <b>Cristobalite</b>             | NIOSH 7500          | Bulk Material         | µg/g       | %                  | 0.01                 | 60.08          |      |                  |     | N/A       | 14464-46-1 | N/A                 |                      | XRD                  |         | \$160                         |                               |             |               |
| Cristobalite                    | NIOSH 7500          | MCE Filter            | mg         | mg/m³              | 0.01                 | 60.08          |      |                  |     |           | 14464-46-1 | 1.7-2.2             | 400-1000             | XRD                  |         | \$86                          |                               | \$5         |               |
| Cristobalite                    | NIOSH 7500          | Prewieghed PVC Filter | mg         | mg/m³              | 0.01                 | 60.08          |      |                  |     | N/A       | 14464-46-1 | 1.7-2.2             | 480-1000             | XRD                  | 4       | \$86                          |                               | \$8         |               |
| Cristobalite                    | NIOSH 7500          | PVC Filter            | mg         | mg/m³              | 0.01                 | 60.08          |      |                  |     |           | 14464-46-1 | 1.7-2.2             | 480-1000             | XRD                  | 4       | \$86                          |                               | \$5         |               |
| Cristobalite                    | NIOSH 7500          | SKC PVC IOM           | mg         | mg/m³              | 0.01                 | 60.08          |      |                  |     |           | 14464-46-1 |                     |                      | XRD                  | 4       | \$86                          |                               | \$20        |               |
| Cristobalite                    | NIOSH 7500          | Wipe                  | mg/wipe    |                    | 0.01                 | 60.08          |      |                  |     | mg/m³     | 14464-46-1 | N/A                 | N/A                  | XRD                  |         | \$86                          |                               | \$0.50      |               |
| Cristobalite                    | OSHA ID 142         | Prewieghed PVC Filter | mg         | mg/m³              | 0.01                 | 60.08          |      |                  |     |           | 14464-46-1 | 1.7                 | 816                  | XRD                  | 4       | \$132                         |                               | \$8         |               |
| <b>Crotonaldehyde</b>           | NIOSH 2539          | SKC 226-117           | mg         | ppm                | 0.002                | 70.09          |      |                  | 0.3 | ppm       | 4170-30-3  | 0.01-0.05           | 5                    | GC/FID               | 2       | \$86                          | \$45                          | \$8         |               |
| Crotonaldehyde                  | OSHA 81, M          | SKC 500-100           | mg         | ppm                | 0.002                | 70.09          | 17.8 | SKC 500-100 Rate | 0.3 | ppm       | 4170-30-3  |                     |                      | GC/FID               | 2,4     | \$86                          | \$45                          | \$19        |               |
| <b>Cumene</b>                   | NIOSH 1501          | 3M 3500 Badge         | mg         | ppm                | 0.005                | 120.19         | 24.5 | 3M Rate          | 50  | ppm       | 98-82-8    |                     |                      | GC/FID               | 4,37    | \$45                          | \$30                          | \$17        | A,C           |
| Cumene                          | NIOSH 1501          | 3M 3520 Badge         | mg         | ppm                | 0.005                | 120.19         | 24.5 | 3M Rate          | 50  | ppm       | 98-82-8    |                     |                      | GC/FID               | 4,37    | \$45                          | \$30                          | \$20        |               |
| Cumene                          | NIOSH 1501          | SKC 226-01            | mg         | ppm                | 0.003                | 120.19         |      |                  | 50  | ppm       | 98-82-8    | 0.2                 | 1-30                 | GC/FID               | 4,37    | \$45                          | \$30                          | \$1         |               |
| <b>Cumene hydroperoxide</b>     | HIH In-House method | SKC 226-15            | mg         | ppm                | 0.005                | 152.2          |      |                  |     | ppm       | 80-15-9    | 0.05-0.2            | 6-48                 | GC/FID               | 2       | \$70                          | \$30                          | \$3         |               |
| <b>Cyclohexane</b>              | NIOSH 1500          | 3M 3500 Badge         | mg         | ppm                | 0.005                | 84.16          | 32.4 | 3M Rate          | 300 | ppm       | 110-82-7   |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        | A             |
| Cyclohexane                     | NIOSH 1500          | 3M 3520 Badge         | mg         | ppm                | 0.005                | 84.16          | 32.4 | 3M Rate          | 300 | ppm       | 110-82-7   |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$20        |               |
| Cyclohexane                     | NIOSH 1500          | SKC 226-36            | mg         | ppm                | 0.005                | 84.16          |      |                  | 300 | ppm       | 110-82-7   | 0.01-0.2            | 2.5-5                | GC/FID               | 2       | \$50                          | \$30                          | \$5         |               |
| <b>Cyclohexanol</b>             | NIOSH 1500          | 3M 3500 Badge         | mg         | ppm                | 0.005                | 100.16         | 29.5 | 3M Rate          | 50  | ppm       | 108-93-0   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| <b>Cyclohexanone</b>            | NIOSH 1300          | 3M 3500 Badge         | mg         | ppm                | 0.005                | 98.15          | 28.9 | 3M Rate          | 25  | ppm       | 108-94-1   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | A             |
| Cyclohexanone                   | NIOSH 1300          | SKC 226-01            | mg         | ppm                | 0.003                | 98.15          |      |                  | 25  | ppm       | 108-94-1   | 0.01-0.2            | 0.5-10               | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Cyclohexanone                   | OSHA 01             | 3M 3520 Badge         | mg         | ppm                | 0.005                | 98.15          | 28.9 | 3M Rate          | 25  | ppm       | 108-94-1   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| <b>Cyclohexene</b>              | NIOSH 1500          | SKC 226-36            | mg         | ppm                | 0.005                | 82.14          |      |                  | 300 | ppm       | 110-83-8   | 0.01-0.2            | 2.5-5                | GC/FID               | 2       | \$45                          | \$30                          | \$5         | A             |
| <b>Di-2-ethylhexylphthalate</b> | OSHA Method 104     | SKC 226-56            | mg         | mg/m³              | 0.06                 | 390.6          |      |                  | 5   | mg/m³     | 117-81-7   | 1.0                 | 15.240               | GC/FID               |         | \$55                          | \$30                          | \$26        |               |
| <b>Diacetyl</b>                 | OSHA 1013 M         | SKC 226-183           | mg         | ppm                | 0.003                | 86.09          |      |                  |     |           | 431-03-8   | 0.0.5               | 9                    | GC/FID               |         | \$55                          |                               | \$11        |               |
| <b>Dibenz(a,h)anthracene</b>    | NIOSH 5515          | PTFE Filter           | mg         | ppm                | 0.01                 | 278.35         |      |                  |     | ppm       | 53-70-3    | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$35                          | \$8         |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                           | Method          | Media         | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------------------------|-----------------|---------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Dibenz(a,h)anthracene               | NIOSH 5515      | SKC 226-30-04 | mg         | ppm                | 0.005                | 278.35         |      |                  |     | ppm               | 53-70-3    | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$35                          | \$3.50      |               |
| Dibutyl phthalate                   | NIOSH 5020      | MCE Filter    | mg         | mg/m <sup>3</sup>  | 0.1                  | 278.34         |      |                  | 5   | mg/m <sup>3</sup> | 84-74-2    | 1-3                 | 10-200               | GC/FID               |         | \$55                          |                               | \$5         |               |
| Dibutyl phthalate                   | OSHA 104        | SKC 226-56    | mg         | ppm                | 0.1                  | 278.34         |      |                  | 5   | mg/m <sup>3</sup> | 84-74-2    | 1                   | 240                  | GC/FID               |         | \$55                          |                               | \$26        |               |
| Dichloroacetic Acid                 | NIOSH 2008      | SKC 226-10-03 | mg         | ppm                | 0.006                | 128.94         |      |                  | 0.5 | ppm               | 79-11-8    |                     |                      | IC                   |         | \$70                          |                               | \$3.50      |               |
| Dichloroethyl ether                 | NIOSH 1004      | 3M 3520 Badge | mg         | ppm                | 0.01                 | 143.02         | 26.1 | 3M Rate          | 5   | ppm               | 111-44-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Dichloroethyl ether                 | NIOSH 1004      | SKC 226-01    | mg         | ppm                | 0.005                | 143.02         |      |                  | 5   | ppm               | 111-44-4   | 0.01-1              | 2-15                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Dichloroethyl ether                 | NIOSH 1004      | SKC 575-001   | mg         | ppm                | 0.02                 | 143.02         | 12.7 | SKC 575-001 Rate | 5   | ppm               | 111-44-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Dicyclopentadiene                   | OSHA PV2098     | 3M 3500 Badge | mg         | ppm                | 0.005                | 132.21         | 23.6 | 3M Rate          | 5   | ppm               | 77-73-6    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        |               |
| Dicyclopentadiene                   | OSHA PV2098     | 3M 3520 Badge | mg         | ppm                | 0.005                | 132.21         | 23.6 | 3M Rate          | 5   | ppm               | 77-73-6    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$20        |               |
| Dicyclopentadiene                   | OSHA PV2098     | SKC 226-01    | mg         | ppm                | 0.003                | 132.21         |      |                  | 5   | ppm               | 77-73-6    | 0.1                 | 10                   | GC/FID               |         | \$55                          | \$30                          | \$1         |               |
| Diethanolamine                      | OSHA PV 2018    | SKC 226-30-18 | mg         | ppm                | 0.003                | 105.14         |      |                  | 2   | mg/m <sup>3</sup> | 111-42-2   | 0.1                 | 10                   | HPLC                 |         | \$95                          |                               | \$5         |               |
| Diethyl ether (Ethyl ether)         | NIOSH 1610      | 3M 3500 Badge | mg         | ppm                | 0.005                | 74.12          | 36.8 | 3M Rate          | 400 | ppm               | 60-29-7    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Diethyl ether (Ethyl ether)         | NIOSH 1610      | SKC 226-09    | mg         | ppm                | 0.005                | 74.12          |      |                  | 400 | ppm               | 60-29-7    | 0.01-0.2            | 3                    | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| Diethyl ether (Ethyl ether)         | NIOSH 1610      | SKC 575-001   | mg         | ppm                | 0.005                | 74.12          | 16.3 | SKC 575-001 Rate | 400 | ppm               | 60-29-7    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Diethylamine                        | OSHA 41         | SKC 226-96    | mg         | ppm                | 0.002                | 73.14          |      |                  | 5   | ppm               | 109-89-7   | 0.2                 | 10                   | GC/FID               |         | \$95                          | \$45                          | \$4.50      |               |
| Diethylamine                        | OSHA CSI        | SKC 226-30-18 | mg         | ppm                | 0.002                | 73.14          |      |                  | 5   | ppm               | 109-89-7   | 0.2                 | 10                   | GC/FID               |         | \$95                          | \$45                          | \$5         |               |
| Diethylene glycol                   | NIOSH 5523      | SKC 226-57    | mg         | ppm                | 0.03                 | 106.12         |      |                  |     |                   | 111-46-6   | 0.5-2.0             | 5-60                 | GC/FID               |         | \$60                          | \$30                          | \$21        |               |
| Diethylene triamine                 | OSHA 60         | SKC 226-30-18 | mg         | ppm                | 0.003                | 103.17         |      |                  | 1   | ppm               | 111-40-0   | 0.1                 | 10                   | HPLC                 |         | \$95                          | \$45                          | \$5         |               |
| Diisobutyl ketone                   | NIOSH 1300      | 3M 3500 Badge | mg         | ppm                | 0.005                | 142.24         | 24.6 | 3M Rate          | 25  | ppm               | 108-83-8   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Diisobutyl ketone                   | NIOSH 1300      | SKC 226-01    | mg         | ppm                | 0.003                | 142.24         |      |                  | 25  | ppm               | 108-83-8   | 0.5-3               | 1-10                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Dimethyl phthalate                  | OSHA 104        | SKC 226-56    | mg         | ppm                | 0.006                | 194.19         |      |                  | 5   | mg/m <sup>3</sup> | 131-11-3   | 1                   | 240                  | GC/FID               |         | \$55                          | \$30                          | \$26        |               |
| Dimethyl sulfate                    | NIOSH 2524      | SKC 226-114   | mg         | ppm                | 0.002                | 126.1          |      |                  | 0.1 | ppm               | 77-78-1    | 0.1-0.2             | 0.25-12              | GC/ECD               |         | \$95                          |                               | \$6         |               |
| Dimethylamine                       | OSHA 34         | SKC 226-96    | mg         | ppm                | 0.005                | 45.08          |      |                  | 5   | ppm               | 124-40-3   | 0.2                 | 10                   | HPLC                 |         | \$95                          | \$45                          | \$4.50      |               |
| Dimethylethanol amine               | NIOSH 2561      | SKC 226-94    | mg         | ppm                | 0.009                | 89.14          |      |                  | 5   | ppm               | 108-01-0   | 0.02-0.1            | 10-24                | GC/FID               |         | \$95                          |                               | \$3         |               |
| Dimethylformamide                   | NIOSH 2004      | SKC 226-10    | mg         | ppm                | 0.01                 | 73.09          |      |                  | 10  | ppm               | 68-12-2    | .01-1               | 15-80                | GC/FID               |         | \$55                          | \$30                          | \$2         |               |
| Dimethylformamide                   | NIOSH 2004      | SKC 226-15    | mg         | ppm                | 0.005                | 73.09          |      |                  | 10  | ppm               | 68-12-2    | 0.01-1              | 15-80                | GC/FID               |         | \$55                          | \$30                          | \$3         |               |
| Dimethylformamide                   | OSHA 66 M       | 3M 3500 Badge | mg         | ppm                | 0.005                | 73.09          | 35.5 | 3M Rate          | 10  | ppm               | 68-12-2    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        |               |
| Dimethylformamide                   | OSHA 66 M       | 3M 3520 Badge | mg         | ppm                | 0.005                | 73.09          | 35.5 | 3M Rate          | 10  | ppm               | 68-12-2    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$20        |               |
| Dimethylformamide                   | OSHA 66 M       | SKC 226-01    | mg         | ppm                | 0.003                | 73.09          |      |                  | 10  | ppm               | 68-12-2    | 0.2                 | 10                   | GC/FID               |         | \$55                          | \$30                          | \$1         |               |
| Diocetyl phthalate                  | NIOSH 5020      | MCE Filter    | mg         | mg/m <sup>3</sup>  | 0.005                | 390.54         |      |                  |     |                   | 117-81-7   | 1-3                 | 10-200               | GC/FID               |         | \$55                          | \$30                          | \$5         |               |
| Diphenylamine                       | OSHA 78         | SKC 225-9004  | mg         | ppm                | 0.005                | 169.24         |      |                  | 10  | mg/m <sup>3</sup> | 122-39-4   | 1.0                 | 78                   | HPLC                 | 12      | \$95                          |                               | \$15        |               |
| Dipropylene glycol monomethyl ether | OSHA Method 101 | 3M 3500 Badge | mg         | ppm                | 0.01                 | 148.2          | 25.3 | 3M Rate          | 100 | ppm               | 34590-94-8 |                     |                      | GC/FID               | 3       | \$45                          | \$30                          | \$17        | D             |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                           | Method                              | Media         | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------------------------|-------------------------------------|---------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Dipropylene glycol monomethyl ether | OSHA Method 101                     | 3M 3520 Badge | mg         | ppm                | 0.01                 | 148.2          | 25.3 | 3M Rate          | 100  | ppm               | 34590-94-8 |                     |                      | GC/FID               | 3       | \$45                          | \$30                          | \$20        |               |
| Dipropylene glycol monomethyl ether | OSHA Method 101                     | SKC 226-01    | mg         | ppm                | 0.01                 | 148.2          |      |                  | 100  | ppm               | 34590-94-8 | 0.1                 | 10                   | GC/FID               | 3       | \$45                          | \$30                          | \$1         |               |
| <b>Diquat</b>                       | Syngenta In-House Method RAM 367/01 | MCE Filter    | mg         | ppm                | 0.004                | 184.24         |      |                  | 0.5  | mg/m <sup>3</sup> | 85-00-7    |                     |                      | HPLC                 |         | \$85                          |                               | \$5         |               |
| <b>di-sec-Butylphenol</b>           | NIOSH 2546 M                        | SKC 226-95    | mg         | ppm                | 0.04                 | 206.32         |      |                  |      |                   | 31291-60-8 |                     |                      | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>Diuron</b>                       | NIOSH 5601                          | SKC 226-30-16 | mg         | ppm                | 0.002                | 233.11         |      |                  | 10   | mg/m <sup>3</sup> | 330-54-1   | 0.1-1               | 4-80                 | HPLC                 |         | \$95                          |                               | \$17        |               |
| <b>Divinylbenzene</b>               | OSHA 89                             | SKC 226-73    | mg         | ppm                | 0.003                | 130.19         |      |                  |      |                   | 1321-74-0  | 0.05                | 12                   | GC/FID               |         | \$60                          |                               | \$3         |               |
| <b>d-Limonene</b>                   | OSHA PV2036                         | 3M 3500 Badge | mg         | ppm                | 0.005                | 136.24         | 21.9 | 3M Rate          |      |                   | 5989-27-5  |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        | <b>A</b>      |
| d-Limonene                          | OSHA PV2036                         | SKC 226-01    | mg         | ppm                | 0.001                | 136.24         |      |                  |      |                   | 5989-27-5  | 0.2                 | 10                   | GC/FID               |         | \$55                          | \$30                          | \$1         |               |
| <b>Epichlorohydrin</b>              | DOW Method IHM-87-37                | SKC 226-01    | mg         | ppm                | 0.005                | 92.53          |      |                  | 0.5  | ppm               | 106-89-8   |                     |                      | GC/FID               |         | \$50                          | \$30                          | \$1         | <b>A</b>      |
| <b>Ethanolamine</b>                 | OSHA PV2111                         | SKC 226-30-18 | mg         | ppm                | 0.003                | 61.08          |      |                  | 3    | ppm               | 141-43-5   | 0.01-0.2            | 4-24                 | HPLC                 |         | \$95                          |                               | \$5         |               |
| <b>Ethyl 2-Cyanoacrylate</b>        | OSHA 55                             | SKC 226-98    | mg         | ppm                | 0.005                | 125.14         |      |                  |      |                   | 7085-85-0  | 0.1                 | 12                   | HPLC                 | 2       | \$95                          |                               | \$3         |               |
| <b>Ethyl acetate</b>                | NIOSH 1457                          | 3M 3500 Badge | mg         | ppm                | 0.005                | 88.11          | 34.5 | 3M Rate          | 400  | ppm               | 141-78-6   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | <b>A,C</b>    |
| Ethyl acetate                       | NIOSH 1457                          | 3M 3520 Badge | mg         | ppm                | 0.005                | 88.11          | 34.5 | 3M Rate          | 400  | ppm               | 141-78-6   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Ethyl acetate                       | NIOSH 1457                          | SKC 226-01    | mg         | ppm                | 0.003                | 88.11          |      |                  | 400  | ppm               | 141-78-6   | 0.01-0.2            | 0.1-10               | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| <b>Ethyl acrylate</b>               | NIOSH 1450                          | 3M 3500 Badge | mg         | ppm                | 0.005                | 100.11         | 32.2 | 3M Rate          | 5    | ppm               | 140-88-5   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Ethyl acrylate                      | NIOSH 1450                          | SKC 226-01    | mg         | ppm                | 0.003                | 100.11         |      |                  | 5    | ppm               | 140-88-5   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Ethyl acrylate                      | OSHA 92                             | SKC 226-73    | mg         | ppm                | 0.01                 | 100.11         |      |                  | 5    | ppm               | 140-88-5   | 0.02                | 12                   | GC/FID               | 2       | \$45                          | \$30                          | \$3         |               |
| <b>Ethyl alcohol</b>                | NIOSH 1400                          | 3M 3500 Badge | mg         | ppm                | 0.005                | 46.07          | 43.7 | 3M Rate          | 1000 | ppm               | 64-17-5    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Ethyl alcohol                       | NIOSH 1400                          | 3M 3520 Badge | mg         | ppm                | 0.005                | 46.07          | 43.7 | 3M Rate          | 1000 | ppm               | 64-17-5    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Ethyl alcohol                       | NIOSH 1400                          | SKC 226-01    | mg         | ppm                | 0.003                | 46.07          |      |                  | 1000 | ppm               | 64-17-5    | 0.05                | 0.1-1                | GC/FID               | 2,40    | \$55                          | \$30                          | \$1         |               |
| Ethyl alcohol                       | NIOSH 1400                          | SKC 226-09    | mg         | ppm                | 0.005                | 46.07          |      |                  | 1000 | ppm               | 64-17-5    | 0.05                | 0.1-1                | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| <b>Ethyl benzene</b>                | NIOSH 1501                          | 3M 3500 Badge | mg         | ppm                | 0.005                | 106.17         | 27.3 | 3M Rate          | 100  | ppm               | 100-41-4   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | <b>A,C</b>    |
| Ethyl benzene                       | NIOSH 1501                          | 3M 3520 Badge | mg         | ppm                | 0.005                | 106.17         | 27.3 | 3M Rate          | 100  | ppm               | 100-41-4   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Ethyl benzene                       | NIOSH 1501                          | SKC 226-01    | mg         | ppm                | 0.003                | 106.17         |      |                  | 100  | ppm               | 100-41-4   | 0.2                 | 1-24                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Ethyl benzene                       | NIOSH 1501                          | SKC 226-09    | mg         | ppm                | 0.009                | 106.17         |      |                  | 100  | ppm               | 100-41-4   | 0.2                 | 1-24                 | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Ethyl benzene                       | NIOSH 1501                          | SKC 575-002   | mg         | ppm                | 0.005                | 106.17         | 12.9 | SKC 575-002 Rate | 100  | ppm               | 100-41-4   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Ethyl benzene                       | NIOSH 1501 M                        | SKC 226-17-1A | mg         | ppm                | 0.003                | 106.17         |      |                  | 100  | ppm               | 100-41-4   | 0.2                 | 1-24                 | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| <b>Ethyl bromide</b>                | NIOSH 1011                          | SKC 226-01    | mg         | ppm                | 0.005                | 108.97         |      |                  |      |                   | 74-96-4    | 0.01-0.2            | 0.5-4                | GC/FID               |         | \$55                          |                               | \$1         |               |
| <b>Ethyl-2-cyanoacrylate</b>        | OSHA 55                             | SKC 226-98    | mg         | ppm                | 0.005                | 125.12         |      |                  | 0.2  | ppm               | 7085-85-0  | 0.1                 | 12                   | HPLC                 | 2       | \$85                          | \$45                          | \$3         |               |
| <b>Ethylamine</b>                   | OSHA 36                             | SKC 226-96    | mg         | ppm                | 0.004                | 45.08          |      |                  | 5    | ppm               | 75-04-7    | 0.2                 | 10                   | HPLC                 |         | \$95                          |                               | \$4.50      |               |
| <b>Ethylene dichloride</b>          | NIOSH 1003                          | 3M 3500 Badge | mg         | ppm                | 0.005                | 98.96          | 33.2 | 3M Rate          | 10   | ppm               | 107-06-2   |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        | <b>C</b>      |
| Ethylene dichloride                 | NIOSH 1003                          | 3M 3520 Badge | mg         | ppm                | 0.005                | 98.96          | 33.2 | 3M Rate          | 10   | ppm               | 107-06-2   |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$20        |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.



HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                               | Method               | Media              | Mass Units        | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV    | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique     | Comment | Price 1 <sup>o</sup> analyte | Price 2 <sup>o</sup> analyte | Media Price | Compatibility |
|---|----------------------|--------------------|-------------------|--------------------|----------------------|----------------|------|------------------|--------|-------------------|-------------|---------------------|----------------------|--------------------------|---------|------------------------------|------------------------------|-------------|---------------|
| Ethylene dichloride                     | NIOSH 1003           | SKC 226-01         | mg                | ppm                | 0.003                | 98.96          |      |                  | 10     | ppm               | 107-06-2    | 0.01-0.2            | 3                    | GC/FID                   |         | \$55                         | \$30                         | \$1         |               |
| <b>Ethylene glycol</b>                  | NIOSH 5523           | 3M 3520 Badge      | mg                | ppm                | 0.01                 | 62.07          | 38.5 | 3M Rate          | 100    | mg/m <sup>3</sup> | 107-21-1    |                     |                      | GC/FID                   | 2       | \$55                         | \$30                         | \$20        |               |
| Ethylene glycol                         | NIOSH 5523           | SKC 226-57         | mg                | ppm                | 0.005                | 62.07          |      |                  | 100    | mg/m <sup>3</sup> | 107-21-1    | 0.5-2.0             | 5-60                 | GC/FID                   | 2       | \$55                         | \$30                         | \$21        |               |
| Ethylene glycol                         | NIOSH 5523           | SKC 226-95         | mg                | ppm                | 0.01                 | 62.07          |      |                  | 100    | mg/m <sup>3</sup> | 107-21-1    | 0.5-2.0             | 5-60                 | GC/FID                   | 2       | \$55                         | \$30                         | \$3         |               |
| <b>Ethylene glycol monomethyl ether</b> | NIOSH 1403           | SKC 226-01         | mg                | ppm                | 0.005                | 76.09          |      |                  | 5      | ppm               | 109-86-4    | 0.01-0.05           | 6-50                 | GC/FID                   | 2       | \$55                         | \$30                         | \$1         |               |
| Ethylene glycol monomethyl ether        | NIOSH 1403           | SKC 226-09         | mg                | ppm                | 0.005                | 76.09          |      |                  | 5      | ppm               | 109-86-4    | 0.01-0.05           | 6-50                 | GC/FID                   | 2       | \$55                         | \$30                         | \$2         |               |
| <b>Ethylene oxide</b>                   | OSHA 1010            | SKC 226-178        | mg                | ppm                | 0.001                | 44.05          |      |                  | 1      | ppm               | 75-21-8     | 0.05                | 12                   | GC/ECD                   | 2       | \$90                         |                              | \$5         |               |
| Ethylene oxide                          | OSHA 1010 M          | SKC 575-005        | mg                | ppm                | 0.005                | 44.05          | 21.2 | SKC 575-005 Rate | 1      | ppm               | 75-21-8     |                     |                      | GC/ECD                   | 2       | \$90                         |                              | \$25        |               |
| Ethylene oxide                          | OSHA 49              | 3M 3551 Badge      | mg                | ppm                | 0.002                | 44.05          | 49.3 | 3M Rate          | 1      | ppm               | 75-21-8     |                     |                      | GC/ECD                   | 2       | \$90                         |                              | \$22        |               |
| <b>Ethylene Thiourea</b>                | OSHA 95              | Glass Fiber Filter | mg                | ppm                | 0.0003               | 102.17         |      |                  | 0.0014 | mg/m <sup>3</sup> | 96-45-7     | 2                   | 480                  | HPLC                     |         | \$95                         |                              | \$8         |               |
| <b>Ethylenediamine</b>                  | NIOSH 2540           | SKC 226-30-18      | mg                | ppm                | 0.003                | 60.1           |      |                  | 10     | ppm               | 107-15-3    | 0.01-0.1            | 1-20                 | HPLC                     |         | \$85                         | \$45                         | \$5         |               |
| Ethylenediamine                         | OSHA 60              | SKC 226-30-18      | mg                | ppm                | 0.003                | 60.1           |      |                  | 10     | ppm               | 107-15-3    | 0.1                 | 10                   | HPLC                     |         | \$85                         | \$45                         | \$5         |               |
| <b>Ethylidene norbornene</b>            | Union Carbide Method | 3M 3520 Badge      | mg                | ppm                | 0.005                | 120.2          | 26.8 | 3M Rate          |        | ppm               | 16219-75-3  |                     |                      | GC/FID                   |         | \$50                         | \$30                         | \$20        |               |
| Ethylidene norbornene                   | Union Carbide Method | SKC 226-01         | mg                | ppm                | 0.003                | 120.2          |      |                  |        | ppm               | 16219-75-3  |                     |                      | GC/FID                   |         | \$50                         | \$30                         | \$1         |               |
| <b>Fibers by PCM</b>                    | NIOSH 7400, Issue 3  | SKC 25 mm MCE      | f/mm <sup>2</sup> | fibers/cc          |                      |                |      |                  | 0.1    | f/cc              |             |                     |                      | Microscopy               |         | \$22                         |                              | \$1         |               |
| <b>Fludioxonil</b>                      | Study                | Glass Fiber Filter | mg                | mg/m <sup>3</sup>  | 0.0008               | 248.2          |      |                  | 10     | mg/m <sup>3</sup> | 131341-86-1 |                     |                      | HPLC                     |         | \$85                         |                              | \$8         |               |
| Fludioxonil                             | Study                | SKC 226-30-16      | mg                | mg/m <sup>3</sup>  | 0.0002               | 248.2          |      |                  | 10     | mg/m <sup>3</sup> | 131341-86-1 |                     |                      | HPLC                     |         | \$85                         |                              | \$17        |               |
| <b>Fluoranthene</b>                     | NIOSH 5515           | PTFE Filter        | mg                | ppm                | 0.01                 | 202.26         |      |                  |        | ppm               | 206-44-0    | 2                   | 200-1000             | GC/FID                   | 1,2     | \$82                         |                              | \$8         |               |
| Fluoranthene                            | NIOSH 5515           | SKC 226-30-04      | mg                | ppm                | 0.005                | 202.26         |      |                  |        | ppm               | 206-44-0    | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                         |                              | \$3.50      |               |
| <b>Fluorene</b>                         | NIOSH 5515           | PTFE Filter        | mg                | ppm                | 0.01                 | 166.22         |      |                  |        | ppm               | 86-73-7     | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                         | \$35                         | \$8         |               |
| Fluorene                                | NIOSH 5515           | SKC 226-30-04      | mg                | ppm                | 0.005                | 166.22         |      |                  |        | ppm               | 86-73-7     | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                         | \$35                         | \$3.50      |               |
| <b>Fluoride (as F)</b>                  | NIOSH 7906 M         | SKC 225-9001       | mg                | ppm                | 0.003                | 18.998         |      |                  | 2.5    | mg/m <sup>3</sup> | 7782-41-4   |                     |                      | IC                       |         | \$85                         |                              | \$13        |               |
| <b>Formaldehyde</b>                     | NIOSH 2016           | SKC 226-119        | mg                | ppm                | 0.0002               | 30.03          |      |                  | 0.3    | ppm STEL          | 50-00-0     | 0.1-1.5             | 1-15                 | HPLC                     | 3       | \$85                         |                              | \$6         |               |
| Formaldehyde                            | NIOSH 2016           | SKC 500-100        | mg                | ppm                | 0.0003               | 30.03          | 28.6 | SKC 500-100 Rate | 0.3    | ppm STEL          | 50-00-0     |                     |                      | HPLC                     | 3       | \$85                         |                              | \$19        |               |
| Formaldehyde                            | NIOSH 2541           | SKC 226-118        | mg                | ppm                | 0.01                 | 30.03          |      |                  | 0.3    | ppm STEL          | 50-00-0     | 0.01-0.1            | 1-36                 | GC/FID                   |         | \$85                         |                              | \$6         |               |
| Formaldehyde                            | NIOSH 2549           | Tedlar Bag         | mg                | ppm                | 0.0002               | 30.03          |      |                  | 0.3    | ppm STEL          | 50-00-0     |                     | 3                    | HPLC                     |         | \$300                        |                              | Call        |               |
| Formaldehyde                            | OSHA 1007            | SKC 500-100        | mg                | ppm                | 0.0003               | 30.03          | 28.6 | SKC 500-100 Rate | 0.3    | ppm STEL          | 50-00-0     |                     |                      | HPLC                     | 3       | \$85                         |                              | \$19        |               |
| Formaldehyde                            | OSHA 52 M            | SKC 226-117        | mg                | ppm                | 0.0003               | 30.03          |      |                  | 0.3    | ppm STEL          | 50-00-0     | 0.1                 | 24                   | GC/FID                   |         | \$85                         |                              | \$8         |               |
| Formaldehyde                            | OSHA ID 205          | 3M 3721 Badge      | µg                | ppm                | 5                    | 30.03          | 61.4 | 3M Rate          | 1      | ppm               | 50-00-0     |                     |                      | UV/VIS Spectrophotometry |         | \$85                         |                              | \$27        |               |
| <b>Formamide</b>                        | OSHA IN HOUSE FILE   | SKC 226-10         | mg                | ppm                | 0.02                 | 45.04          |      |                  | 10     | ppm               | 75-12-7     |                     |                      | GC/FID                   |         | \$85                         |                              | \$2         |               |
| <b>Formic acid</b>                      | NIOSH 2011           | SKC 226-10-03      | mg                | ppm                | 0.003                | 46.02          |      |                  | 5      | ppm               | 64-18-6     | 0.05-0.2            | 1-24                 | IC                       | 2       | \$65                         |                              | \$3.50      |               |
| Formic acid                             | OSHA ID 186SG        | SKC 226-01         | mg                | ppm                | 0.03                 | 46.02          |      |                  | 5      | ppm               | 64-18-6     | 0.2                 | 48                   | IC                       | 2       | \$65                         |                              | \$1         |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                   | Method                         | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate  | Rate description | TLV   | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-----------------------------|--------------------------------|-----------------------|------------|--------------------|----------------------|----------------|-------|------------------|-------|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Furfural                    | NIOSH 2529                     | SKC 226-118           | mg         | ppm                | 0.005                | 96.08          |       |                  | 2     | ppm               | 98-01-1     | 0.01-0.05           | 1-12                 | GC/FID               |         | \$55                          |                               | \$6         |               |
| Furfural                    | OSHA 72                        | 3M 3520 Badge         | mg         | ppm                | 0.01                 | 96.08          | 34.3  | 3M Rate          | 0.2   | ppm               | 98-01-1     |                     |                      | GC/FID               | 7       | \$55                          | \$30                          | \$20        |               |
| Furfural                    | OSHA 72                        | SKC 226-09            | mg         | ppm                | 0.02                 | 96.08          |       |                  | 2     | ppm               | 98-01-1     | 1                   | 180                  | GC/FID               |         | \$55                          | \$30                          | \$2         |               |
| Furfural                    | OSHA 72                        | SKC 226-81A           | mg         | ppm                | 0.003                | 96.08          |       |                  | 2     | ppm               | 98-01-1     | 1                   | 180                  | GC/FID               |         | \$55                          | \$30                          | \$3         |               |
| Furfuryl alcohol            | NIOSH 2505                     | 3M 3500 Badge         | mg         | ppm                | 0.005                | 98.1           | 30.6  | 3M Rate          | 10    | ppm               | 98-00-0     |                     |                      | GC/FID               |         | \$50                          | \$30                          | \$17        |               |
| Furfuryl alcohol            | NIOSH 2505                     | SKC 226-115           | mg         | ppm                | 0.005                | 98.1           |       |                  | 10    | ppm               | 98-00-0     | 0.01-0.05           | 3-25                 | GC/FID               |         | \$50                          | \$30                          | \$6         |               |
| Gallium (as Ga)             | NIOSH 7303 M                   | MCE Filter            | µg         | mg/m <sup>3</sup>  | 10                   | 69.72          |       |                  |       | mg/m <sup>3</sup> | 7440-55-3   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Gasoline                    | OSHA PV 2028                   | Tedlar Bag            | mg         | ppm                | 0.02                 | 114.1          |       |                  | 300   | ppm               | 8006-61-9   |                     |                      | GC/FID               |         | \$55                          | \$30                          | Call        |               |
| Gasoline                    | OSHA PV 2028                   | SKC 226-01            | mg         | ppm                | 0.02                 | 114.1          |       |                  | 300   | ppm               | 8006-61-9   |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$1         |               |
| Glutaraldehyde              | NIOSH 2532                     | SKC 226-119           | mg         | ppm                | 0.0003               | 100.11         |       |                  | 0.05  | ppm               | 111-30-8    | 0.05-0.5            | 1-30                 | HPLC                 | 2,4     | \$85                          |                               | \$6         |               |
| Glutaraldehyde              | NIOSH 2532                     | SKC 500-100           | mg         | ppm                | 0.0002               | 100.11         | 13.8  | SKC 500-100 Rate | 0.05  | ppm               | 111-30-8    |                     |                      | HPLC                 | 2,4     | \$85                          |                               | \$19        |               |
| Glutaraldehyde              | OSHA 64 Union Carbide Method   | SKC 225-9003          | mg         | ppm                | 0.003                | 100.11         |       |                  | 0.05  | ppm               | 111-30-8    | 1                   | 15                   | HPLC                 | 12      | \$85                          |                               | \$13        |               |
| Glutaraldehyde              | Union Carbide Method           | SKC 226-10            | mg         | ppm                | 0.01                 | 100.11         |       |                  | 0.05  | ppm               | 111-30-8    |                     |                      | GC/FID               |         | \$85                          |                               | \$2         |               |
| Glutaraldehyde              | Union Carbide Method, Modified | SKC 226-10-04         | mg         | ppm                | 0.002                | 100.11         |       |                  | 0.05  | ppm               | 111-30-8    |                     |                      | GC/FID               |         | \$85                          |                               | \$3         |               |
| Glutaraldehyde              | Union Carbide Method, Modified | SKC 226-51            | mg         | ppm                | 0.002                | 100.11         |       |                  | 0.05  | ppm               | 111-30-8    |                     |                      | GC/FID               |         | \$85                          |                               | \$3         |               |
| Glycerine                   | NIOSH 0500                     | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.01                 | 92.05          |       |                  | 10    | mg/m <sup>3</sup> | 56-81-5     | 1-2                 | 2-133                | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Glycidyl Methacrylate       | OSHA IMIS G106                 | 3M 3520 Badge         | mg         | ppm                | 0.02                 | 142.15         | 23.6  | 3M Rate          |       |                   | 106-91-2    |                     |                      | GC/FID               |         | \$100                         |                               | \$20        |               |
| Gold (as Au)                | NIOSH 7303 M                   | MCE Filter            | µg         | mg/m <sup>3</sup>  | 2                    | 196.97         |       |                  |       |                   | 7440-57-5   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Graphite                    | OSHA IMIS 9090                 | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.02                 | 0              |       |                  | 2     | mg/m <sup>3</sup> | 7782-42-5   |                     |                      | XRD                  |         | \$85                          |                               | \$8         |               |
| Hafnium                     | NIOSH 7303 M                   | Bulk Material         | µg/g       | %                  | 300                  | 178.49         |       |                  |       |                   | 7440-58-6   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Hafnium                     | NIOSH 7303 M                   | MCE Filter            | µg         | mg/m <sup>3</sup>  | 10                   | 178.49         |       |                  |       |                   | 7440-58-6   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Halothane                   | Study                          | SKC 575-002           | mg         | ppm                | 0.03                 | 197.39         | 13.54 | SKC 575-002 Rate | 50    | ppm               | 151-67-7    | N/A                 | N/A                  | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| Heptane                     | NIOSH 1500                     | 3M 3500 Badge         | mg         | ppm                | 0.005                | 100.21         | 28.9  | 3M Rate          | 400   | ppm               | 142-82-5    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | A             |
| Hexachlorobenzene           | OSHA CSI, M                    | PVC Filter            | mg         | ppm                | 0.0001               | 284.78         |       |                  | 0.002 | mg/m <sup>3</sup> | 118-74-1    |                     |                      | GC/ECD               |         | \$60                          |                               | \$5         |               |
| Hexachlorobutadiene         | NIOSH 2543                     | SKC 226-30-04         | mg         | ppm                | 0.0004               | 260.76         |       |                  | 0.02  | ppm               | 87-68-3     |                     |                      | GC/FID               |         | \$60                          |                               | \$3.50      |               |
| Hexachlorocyclopentadiene   | NIOSH 2518                     | SKC 226-116           | mg         | ppm                | 0.0001               | 272.75         |       |                  | 0.01  | ppm               | 77-47-4     |                     |                      | GC/FID               |         | \$60                          |                               | \$17        |               |
| Hexahydrophthalic Anhydride | OSHA IMIS H106                 | SKC 225-9021          | mg         | mg/m <sup>3</sup>  | 0.002                | 154.1652       |       |                  | 0.005 | mg/m <sup>3</sup> | 85-42-7     |                     |                      | HPLC                 | 2       | \$85                          |                               | \$22        |               |
| Hexane                      | NIOSH 1501                     | SKC 226-09            | mg         | ppm                | 0.005                | 86.18          |       |                  | 50    | ppm               | 110-54-3    | 0.2                 | 4                    | GC/FID               |         | \$45                          | \$30                          | \$2         | A             |
| Hexane Soluble Fraction     | NIOSH 5042 M                   | Prewieghed PTFE       | mg         | ppm                | 0.05                 |                |       |                  |       |                   |             |                     |                      | Gravimetric          |         | \$65                          |                               | \$8         |               |
| Hexylene Glycol             | OSHA PV2101                    | SKC 226-01            | mg         | ppm                | 0.01                 | 118.17         |       |                  | 25    | ppm               | 107-41-5    |                     |                      | GC/FID               |         | \$55                          |                               | \$1         |               |
| HFE-7100                    | 3M OVM Method                  | 3M 3500 Badge         | mg         | ppm                | 0.03                 | 250.06         | 25.3  | 3M Rate          | 750   | ppm               | 163702-07-6 |                     |                      | GC/FID               |         | \$55                          |                               | \$17        |               |
| Hydrazine                   | OSHA 108                       | SKC 225-9012          | mg         | ppm                | 0.0005               | 32.05          |       |                  | 0.01  | ppm               | 302-01-2    |                     |                      | HPLC                 | 4       | \$120                         |                               | \$14        |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                               | Method         | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|---|----------------|-----------------|------------|--------------------|----------------------|----------------|------|------------------|------|-----------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Hydrazine                               | OSHA 20        | SKC 226-42-02   | mg         | ppm                | 0.0003               | 32.05          |      |                  | 0.01 | ppm       | 302-01-2   | 0.1-1               | 20                   | HPLC                 | 4       | \$120                         |                               | \$4.50      |               |
| Hydrobromic acid                        | NIOSH 7907     | SKC 225-9032    | mg         | ppm                | 0.006                | 80.92          |      |                  | 3    | ppm       | 10035-10-6 |                     | 30-600               | IC                   |         | \$85                          | \$30                          | \$27        |               |
| Hydrobromic acid                        | OSHA ID 165 SG | SKC 226-10-03   | mg         | ppm                | 0.006                | 80.92          |      |                  | 3    | ppm       | 10035-10-6 |                     |                      | IC                   |         | \$85                          | \$30                          | \$3.50      |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 100            | 33.2 | 3M Rate          |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| Hydrocarbons, total                     | NIOSH 1500 M   | 3M 3520 Badge   | mg         | ppm                | 0.04                 | 100            | 33.2 | 3M Rate          |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | Tedlar Bag      | mg         | ppm                | 0.02                 | 100            |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               |         | \$55                          | \$30                          | Call        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | Client Supplied | µg/g       | %                  | 0.4                  | 100            |      |                  |      | ppm       |            |                     |                      | GC/FID               |         | \$55                          | \$30                          | Call        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | Paint           | µg/g       | %                  | 0.4                  | 100            |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               |         | \$55                          | \$30                          |             |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | SKC 226-01      | mg         | ppm                | 0.02                 | 100            |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | SKC 226-09      | mg         | ppm                | 0.04                 | 100            |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | SKC 226-81A     | mg         | ppm                | 0.02                 | 100            |      |                  |      | ppm       |            | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$3         |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | SKC 575-001     | mg         | ppm                | 0.04                 | 100            | 13.5 | SKC 575-001 Rate |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | SKC 575-002     | mg         | ppm                | 0.04                 | 100            | 13.5 | SKC 575-002 Rate |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | TRACEAIR OVM1   | mg         | ppm                | 0.04                 | 100            | 26.5 | TRACEAIR OVM1    |      | ppm       | N/A        |                     |                      | GC/FID               |         | \$55                          | \$30                          |             |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | TRACEAIR OVM2   | mg         | ppm                | 0.04                 | 100            | 26.5 | TRACEAIR OVM2    |      | ppm       | N/A        |                     |                      | GC/FID               |         | \$55                          | \$30                          | Call        |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | Wipe            | µg/wipe    |                    | 40                   | 100            |      |                  |      | ppm       |            |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$0.50      |               |
| Hydrocarbons, total                     | NIOSH 1500 M   | Paint           | µg/g       | %                  | Call                 | 100            |      |                  |      |           | N/A        |                     |                      | GC/FID               |         | \$55                          | \$30                          |             |               |
| Hydrocarbons, total                     | NIOSH 1501     | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 100            | 33.2 | 3M Rate          | 500  | ppm       |            |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 86.18          | 33.2 | 3M Rate          |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | 3M 3520 Badge   | mg         | ppm                | 0.04                 | 86.18          | 33.2 | 3M Rate          |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | SKC 226-01      | mg         | ppm                | 0.02                 | 86.18          |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | SKC 226-09      | mg         | ppm                | 0.04                 | 86.18          |      |                  |      | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | SKC 575-001     | mg         | ppm                | 0.04                 | 86.18          | 13.5 | SKC 575-001 Rate |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | SKC 575-002     | mg         | ppm                | 0.04                 | 86.18          | 13.5 | SKC 575-002 Rate |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| Hydrocarbons, total as hexane           | NIOSH 1500 M   | TRACEAIR OVM2   | mg         | ppm                | 0.04                 | 86.18          | 26.5 | TRACEAIR OVM2    |      | ppm       |            |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | Call        |               |
| Hydrocarbons, total as naphtha          | NIOSH 1500 M   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 142.28         | 33.2 | 3M Rate          |      | ppm       | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| Hydrocarbons, total as octane           | NIOSH 1500 M   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 114.22         | 33.2 | 3M Rate          | 300  | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| Hydrocarbons, total as octane           | NIOSH 1500 M   | SKC 226-01      | mg         | ppm                | 0.02                 | 114.22         |      |                  | 300  | ppm       | N/A        | 0.2                 | 2-30                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Hydrocarbons, total as toluene          | NIOSH 1500 M   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 92.12          | 33.2 | 3M Rate          |      |           | N/A        |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | A             |
| Hydrocarbons, total as Kerosene         | NIOSH 1550     | SKC 226-01      | mg         | ppm                | 0.02                 | 170            |      |                  | 3    | ppm       | 64771-72-8 | 0.01-0.2            | 1-20                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Hydrocarbons, total as Stoddard Solvent | NIOSH 1550     | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 140            | 33.2 | 3M Rate          |      |           |            |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Hydrocarbons, total as Stoddard Solvent | NIOSH 1550     | SKC 226-01      | mg         | ppm                | 0.02                 | 140            |      |                  |      |           |            | 0.01-0.2            | 1-20                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                     | Method                       | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique     | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------------------|------------------------------|-----------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|--------------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Hydrocarbons, total as Xylene | NIOSH 1500 M                 | Tedlar Bag      | mg         | ppm                | 0.02                 | 106.17         | 33.2 | 3M Rate          |     | ppm               | 1330-20-7  |                     |                      | GC/FID                   | 2       | \$55                          | \$30                          | Call        |               |
| Hydrocarbons, total (MW 95)   | NIOSH 1500 M                 | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 95             | 33.2 | 3M Rate          |     |                   | N/A        |                     |                      | GC/FID                   | 2       | \$55                          | \$30                          | \$17        |               |
| Hydrochloric acid             | NIOSH 7907                   | SKC 225-9032    | mg         | ppm                | 0.006                | 36.47          |      |                  | 2   | ppm               | 7647-01-0  | 2                   | 30-600               | IC                       |         | \$85                          | \$30                          | \$27        |               |
| Hydrochloric acid             | NIOSH 7907 M                 | Wipe            | µg/wipe    |                    | 6                    | 36.47          |      |                  | 2   | ppm               | 7647-01-1  |                     |                      | IC                       |         | \$85                          | \$30                          | \$0.50      |               |
| Hydrochloric acid             | OSHA ID 165 SG               | SKC 226-10-03   | mg         | ppm                | 0.006                | 36.47          |      |                  | 2   | ppm               | 7647-01-0  | 0.2                 | 96                   | IC                       | 4       | \$85                          | \$30                          | \$3.50      |               |
| Hydrofluoric acid             | NIOSH 7906                   | SKC 225-9031    | mg         | mg/m <sup>3</sup>  | 0.006                | 20.01          |      |                  | 3   | ppm               | 7664-39-3  | 1-2                 | 15-1000              | IC                       |         | \$85                          | \$30                          | \$28        |               |
| Hydrofluoric acid             | OSHA ID 186 SG M             | SKC 226-10-03   | mg         | ppm                | 0.006                | 20.01          |      |                  | 3   | ppm               | 7664-39-3  | 0.2                 | 48                   | IC                       | 4       | \$85                          | \$30                          | \$3.50      |               |
| Hydrogen cyanide              | NIOSH 6010                   | SKC 226-210     | mg         | ppm                | 0.002                | 27.03          |      |                  | 4.7 | ppm               | 74-90-8    | 0.05-0.2            | 2-90                 | UV/VIS Spectrophotometry | 4       | \$75                          |                               | \$7         |               |
| Hydrogen peroxide             | OSHA VI-6                    | Impinger        | µg         | mg/m <sup>3</sup>  | 7                    | 34.02          |      |                  | 1   | ppm               | 7722-84-1  | 0.5                 | 100                  | UV/VIS Spectrophotometry | 11      | \$125                         |                               | Call        |               |
| Hydrogen sulfide              | NIOSH 6013                   | Tedlar Bag      | mg         | ppm                | 0.4                  | 34.08          |      |                  | 1   | ppm               | 7783-06-4  |                     |                      | IC                       |         | \$90                          |                               | Call        |               |
| Hydrogen sulfide              | NIOSH 6013                   | MCE Filter      | mg         | ppm                | 0.002                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  | 0.1-1.5             | 1.2-40               | IC                       |         | \$85                          | \$30                          | \$5         |               |
| Hydrogen sulfide              | NIOSH 6013                   | PTFE Filter     | mg         | ppm                | 0.002                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  | 0.1-1.5             | 1.2-40               | IC                       |         | \$85                          |                               | \$5         |               |
| Hydrogen sulfide              | NIOSH 6013                   | SKC 226-01      | mg         | ppm                | 0.002                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  | 0.1-1.5             | 1.2-40               | IC                       |         | \$85                          |                               | \$1         |               |
| Hydrogen sulfide              | NIOSH 6013                   | SKC 226-09      | mg         | ppm                | 0.006                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  | 0.1-1.5             | 1.2-40               | IC                       |         | \$85                          |                               | \$2         |               |
| Hydrogen sulfide              | OSHA 1008                    | Tedlar Bag      | mg         | ppm                | 0.006                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  |                     |                      | IC                       |         | \$90                          |                               | Call        |               |
| Hydrogen sulfide              | OSHA 1008                    | SKC 226-177     | mg         | ppm                | 0.004                | 34.08          |      |                  | 1   | ppm               | 7783-06-4  | 0.05-0.3            | 5-12                 | IC                       | 43      | \$90                          |                               | \$47        |               |
| Hydroquinone                  | NIOSH 5004                   | MCE Filter      | mg         | mg/m <sup>3</sup>  | 0.005                | 110.11         |      |                  | 2   | mg/m <sup>3</sup> | 123-31-9   | 1-4                 | 30-180               | HPLC                     |         | \$90                          | \$30                          | \$5         |               |
| Hydroquinone                  | OSHA PV 2094                 | SKC 226-98      | mg         | ppm                | 0.006                | 110.11         |      |                  | 2   | mg/m <sup>3</sup> | 123-31-9   | 0.2                 | 20                   | HPLC                     |         | \$90                          |                               | \$3         |               |
| Indeno (1,2,3-cd) pyrene      | NIOSH 5515                   | PTFE Filter     | mg         | ppm                | 0.01                 | 276.34         |      |                  |     | ppm               | 193-39-5   | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                          | \$45                          | \$8         |               |
| Indeno (1,2,3-cd) pyrene      | NIOSH 5515                   | SKC 226-30-04   | mg         | ppm                | 0.005                | 276.34         |      |                  |     | ppm               | 193-39-5   | 2                   | 200-1000             | GC/FID                   | 1,2     | \$85                          | \$45                          | \$3.50      |               |
| Indium (as In)                | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 2                    | 114.82         |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-74-6  | 2                   | 200-960              | ICP                      |         | \$31                          | \$20                          | \$5         |               |
| Iridium (as Ir)               | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 10                   | 192.22         |      |                  |     | mg/m <sup>3</sup> | 7439-88-5  |                     |                      | ICP                      |         | \$31                          | \$20                          | \$5         |               |
| Iridium (as Ir)               | NIOSH 7303 M                 | Wipe            | µg/wipe    |                    | 10                   | 192.22         |      |                  |     | mg/m <sup>3</sup> | 7439-88-5  | N/A                 | N/A                  | ICP                      |         | \$31                          | \$20                          | \$0.50      |               |
| Iron (as Fe)                  | 40 CFR PART 261, APPENDIX II | Client Supplied | mg/L       |                    | 0.05                 | 55.85          |      |                  | 5   | mg/m <sup>3</sup> | 7439-89-6  |                     |                      | ICP                      |         | \$31                          | \$20                          | Call        | M             |
| Iron (as Fe)                  | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 2                    | 55.85          |      |                  | 5   | mg/m <sup>3</sup> | 7439-89-6  | 1-4                 | 1-5000               | ICP                      |         | \$31                          | \$20                          | \$5         |               |
| Iron (as Fe)                  | NIOSH 7303 M                 | PVC Filter      | µg         | mg/m <sup>3</sup>  | 2                    | 55.85          |      |                  | 5   | mg/m <sup>3</sup> | 7439-89-6  | 1-4                 | 1-5000               | ICP                      |         | \$31                          | \$20                          | \$5         |               |
| Iron (as Fe)                  | NIOSH 7303 M                 | Wipe            | µg/wipe    |                    | 5                    | 55.85          |      |                  | 5   | mg/m <sup>3</sup> | 7439-89-6  |                     |                      | ICP                      |         | \$31                          | \$20                          | \$0.50      |               |
| Isobutane                     | NIOSH 1500 M                 | 3M 3500 Badge   | mg         | ppm                | 0.005                | 58.12          | 39.5 | 3M Rate          |     |                   | 75-28-5    |                     |                      | GC/FID                   | 2       | \$55                          | \$30                          | \$17        |               |
| Isobutanol                    | NIOSH 1405                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 74.12          | 35.9 | 3M Rate          | 50  | ppm               | 78-83-1    |                     |                      | GC/FID                   | 2       | \$55                          | \$30                          | \$17        |               |
| Isobutanol                    | NIOSH 1405                   | 3M 3520 Badge   | mg         | ppm                | 0.005                | 74.12          | 35.9 | 3M Rate          | 50  | ppm               |            |                     |                      | GC/FID                   | 2       | \$55                          | \$30                          | \$20        |               |
| Isobutyl acetate              | NIOSH 1450                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 116.16         | 31   | 3M Rate          | 150 | ppm               | 110-19-0   | 0.01-0.2            | 1-10                 | GC/FID                   | 2       | \$45                          | \$30                          | \$17        |               |
| Isobutyl acrylate             | OSHA CSI                     | SKC 226-01      | mg         | ppm                | 0.003                | 128.17         |      |                  | 10  | mg/m <sup>3</sup> | 106-63-8   | 0.2                 | 10                   | GC/FID                   | 2       | \$55                          |                               | \$1         |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                | Method                            | Media                       | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------|-----------------------------------|-----------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Isobutyraldehyde         | NIOSH 2016 M                      | SKC 226-119                 | mg         | ppm                | 0.0002               | 72.11          |      |                  |      |                   | 74-84-2    | 0.3-1.5             | 1-15                 | HPLC                 | 2       | \$85                          |                               | \$6         |               |
| Isobutyraldehyde         | NIOSH 2539                        | SKC 226-118                 | mg         | ppm                | 0.01                 | 72.11          |      |                  |      | ppm               | 74-84-2    | 0.01-0.05           | 5                    | GC/FID               | 2       | \$85                          |                               | \$6         |               |
| Isoflurane               | OSHA Method 103                   | SKC 226-81A                 | mg         | ppm                | 0.003                | 184.49         |      |                  | 1    | ppm               | 26675-46-7 | 0.05                | 12                   | GC/FID               | 2       | \$55                          | \$30                          | \$3         |               |
| Isoflurane               | OSHA Method 103                   | SKC 575-002                 | mg         | ppm                | 0.005                | 184.49         | 13.7 | SKC 575-002 Rate |      |                   | 26675-46-7 |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| Isooctane                | NIOSH 1500                        | SKC 226-01                  | mg         | ppm                | 0.003                | 114.23         |      |                  |      |                   | 540-84-1   | 0.01-0.2            | 2-10                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Isophthalonitrile        | HHI In-House method               | Glass Fiber Filter          | mg         | mg/m <sup>3</sup>  | 0.005                | 128.13         |      |                  |      | ppm               | 626-17-5   |                     |                      | GC/ECD               |         | \$90                          |                               | \$8         |               |
| Isophthalonitrile        | HHI In-House method               | PVC Filter                  | mg         | mg/m <sup>3</sup>  | 0.005                | 128.13         |      |                  |      | ppm               | 626-17-5   |                     |                      | GC/ECD               |         | \$90                          |                               | \$5         |               |
| Isophthalonitrile        | HHI In-House method               | SKC 226-107                 | mg         | mg/m <sup>3</sup>  | 0.005                | 128.13         |      |                  |      | ppm               | 626-17-5   |                     |                      | GC/ECD               |         | \$90                          |                               | \$8         |               |
| Isoprene                 | NIOSH 1501                        | 3M 3500 Badge               | mg         | ppm                | 0.005                | 68.12          | 36.6 | 3M Rate          |      | ppm               | 78-79-5    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        |               |
| Isoprene                 | NIOSH 1501                        | 3M 3520 Badge               | mg         | ppm                | 0.005                | 68.12          | 36.6 | 3M Rate          |      |                   | 78-79-5    |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$20        |               |
| Isopropyl alcohol        | 3M 1028 Technical Data Bulletin   | 3M 3500 Badge               | mg         | ppm                | 0.005                | 60.09          | 39.4 | 3M Rate          | 400  | ppm               | 67-63-0    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | B             |
| Isopropyl alcohol        | 3M 1028 Technical Data Bulletin   | 3M 3520 Badge               | mg         | ppm                | 0.005                | 60.09          | 39.4 | 3M Rate          | 400  | ppm               |            |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Isopropyl alcohol        | NIOSH 1400                        | SKC 226-01                  | mg         | ppm                | 0.003                | 60.09          |      |                  | 400  | ppm               | 67-63-0    | 0.01-0.2            | 0.3-3                | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Isopropyl alcohol        | NIOSH 1405                        | 3M 3520 Badge               | mg         | ppm                | 0.005                | 60.09          | 39.4 | 3M Rate          | 400  | ppm               | 67-63-0    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Isopropyl alcohol        | NIOSH 1405                        | SKC 226-01                  | mg         | ppm                | 0.003                | 60.09          |      |                  | 400  | ppm               | 67-63-0    | 0.01-0.2            | 1-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Isopropyl alcohol        | OSHA 109                          | SKC 226-82                  | mg         | ppm                | 0.005                | 60.09          |      |                  | 400  | ppm               | 67-63-0    | 0.05-0.2            | 18                   | GC/FID               | 2       | \$55                          | \$30                          | \$5         |               |
| Isopropyl ether          | NIOSH 1618                        | 3M 3500 Badge               | mg         | ppm                | 0.005                | 102.18         | 31.2 | 3M Rate          | 250  | ppm               | 108-20-3   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Isopropyl ether          | NIOSH 1618                        | SKC 226-01                  | mg         | ppm                | 0.003                | 102.18         | 0    |                  | 500  | ppm               | 108-20-3   | 0.01-0.05           | 0.1-3                | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Isopropyl glycidol ether | NIOSH 1620                        | 3M 3500 Badge               | mg         | ppm                | 0.005                | 116.2          | 29.1 | 3M Rate          |      |                   | 4016-14-2  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Jet Fuel                 | NIOSH 1550 M                      | SKC 225-1709                | mg         | ppm                | 0.04                 | 180            |      |                  |      |                   | 64742-47-8 |                     |                      | GC/FID               |         | \$55                          |                               | \$8         |               |
| Jet Fuel                 | NIOSH 1550 M                      | SKC 226-01                  | mg         | ppm                | 0.02                 | 180            |      |                  |      |                   | 64742-47-8 | 0.01-0.2            | 1-30                 | GC/FID               |         | \$55                          |                               | \$1         |               |
| Jet Fuel                 | NIOSH 1550 M                      | SKC 226-09                  | mg         | ppm                | 0.04                 | 180            |      |                  |      |                   | 64742-47-8 | 0.01-0.2            | 1-30                 | GC/FID               |         | \$55                          |                               | \$2         |               |
| Kerosene                 | NIOSH 1550                        | 3M 3500 Badge               | mg         | ppm                | 0.04                 | 170            | 33.2 | 3M Rate          |      | ppm               | 8008-20-6  |                     |                      | GC/FID               | 8       | \$55                          | \$30                          | \$17        | A             |
| Kerosene                 | NIOSH 1550                        | 3M 3520 Badge               | mg         | ppm                | 0.04                 | 170            | 33.2 | 3M Rate          |      | ppm               | 8008-20-6  |                     |                      | GC/FID               | 8       | \$55                          | \$30                          | \$20        |               |
| Kerosene                 | NIOSH 1550                        | SKC 226-01                  | mg         | mg/m <sup>3</sup>  | 0.02                 | 170            |      |                  | 200  | mg/m <sup>3</sup> | 8008-20-6  | 0.01-0.2            | 2-10                 | GC/FID               | 8       | \$55                          | \$30                          | \$1         |               |
| Kerosene                 | NIOSH 1550                        | SKC 226-09                  | mg         | ppm                | 0.04                 | 170            |      |                  |      |                   | 8008-20-6  | 0.01-0.2            | 2-10                 | GC/FID               | 8       | \$55                          | \$30                          | \$2         |               |
| Kerosene                 | NIOSH 1550                        | SKC 575-001                 | mg         | mg/m <sup>3</sup>  | 0.04                 | 170            | 8.68 | SKC 575-001 Rate | 200  | mg/m <sup>3</sup> | 8008-20-6  |                     |                      | GC/FID               | 8       | \$55                          | \$30                          | \$17        |               |
| Kerosene                 | NIOSH 1550 M                      | SKC 226-01                  | mg         | mg/m <sup>3</sup>  | 0.02                 | 120            |      |                  |      |                   | 8008-20-6  | 0.01-0.2            | 2-10                 | GC/FID               | 8       | \$55                          | \$30                          | \$1         |               |
| Lead (as Pb)             | 40 CFR Part 261, Appendix II      | Client Supplied             | mg/L       |                    | 0.1                  | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Lead (as Pb)             | 40 CFR Part 50 Appendices A and G | 8" X 10" Glass Fiber Filter | µg         | mg/m <sup>3</sup>  | 4                    | 207.2          |      |                  |      | N/A               | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$15        |               |
| Lead (as Pb)             | EPA 1620                          | Soil                        | mg/kg      |                    | 50                   | 207.2          |      |                  |      | N/A               | 7439-92-1  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          |             |               |
| Lead (as Pb)             | EPA Part.50                       | 8" X 10" Glass Fiber Filter | µg         | mg/m <sup>3</sup>  | 4                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$15        |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                      | Method       | Media                   | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------------|--------------|-------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Lead (as Pb)                   | NIOSH 7303 M | Bulk Material           | µg/g       | %                  | 50                   | 207.2          |      |                  | 0.5  | ppm               | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Lead (as Pb)                   | NIOSH 7303 M | Client Supplied         | µg         | mg/m <sup>3</sup>  | Call                 | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  |                     |                      | ICP                  |         | \$70                          | \$20                          | Call        |               |
| Lead (as Pb)                   | NIOSH 7303 M | Matched Weight MCE      | µg         | mg/m <sup>3</sup>  | 3                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  | 1-4                 | 35-100,000           | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Lead (as Pb)                   | NIOSH 7303 M | MCE Filter              | µg         | mg/m <sup>3</sup>  | 3                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  | 1-4                 | 35-100,000           | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Lead (as Pb)                   | NIOSH 7303 M | Paint                   | µg/g       | %                  | 50                   | 207.2          |      |                  | 0.5  | ppm               | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Lead (as Pb)                   | NIOSH 7303 M | Preweighed PVC Filter   | µg         | mg/m <sup>3</sup>  | 3                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  | 1-4                 | 35-100,000           | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Lead (as Pb)                   | NIOSH 7303 M | PVC Filter              | µg         | mg/m <sup>3</sup>  | 3                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  | 1-4                 | 35-100,000           | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Lead (as Pb)                   | NIOSH 7303 M | SOIL                    | mg/kg      | %                  | 50                   | 207.2          |      |                  | 0.5  | ppm               | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Lead (as Pb)                   | NIOSH 7303 M | Wipe                    | µg/wipe    |                    | 3                    | 207.2          |      |                  | 0.05 | mg/m <sup>3</sup> | 7439-92-1  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| <b>Lead, leachable (as Pb)</b> | ASTM         | Bulk Material           | mg/L       |                    | 0.1                  | 207.2          |      |                  |      | N/A               | 7439-92-1  | N/A                 |                      | ICP                  |         | \$50                          |                               |             |               |
| Library search                 | NIOSH 2549 M | 3M 3500 Badge           | N/A        | N/A                | Call                 | 100            | 31.4 | 3M Rate          |      | N/A               | N/A        |                     |                      | GC/MS                |         | \$350                         |                               | \$17        |               |
| Library search                 | NIOSH 2549 M | 3M 3520 Badge           | N/A        | N/A                | Call                 | 100            | 31.4 | 3M Rate          |      | N/A               | N/A        |                     |                      | GC/MS                |         | \$350                         |                               | \$20        |               |
| Library search                 | NIOSH 2549 M | Tedlar Bag              | N/A        | N/A                | Call                 |                |      |                  |      | N/A               | N/A        |                     | 3                    | GC/MS                |         | \$350                         |                               | Call        |               |
| Library search                 | NIOSH 2549 M | Client Supplied         | N/A        | N/A                | Call                 | 100            |      |                  |      | N/A               | N/A        | 0.01-0.05           | 1-6                  | GC/MS                |         | \$350                         |                               | Call        |               |
| Library search                 | NIOSH 2549 M | SKC 226-01              | N/A        | N/A                | Call                 |                |      |                  |      | N/A               | N/A        | 0.01-0.05           | 30                   | GC/MS                |         | \$350                         |                               | \$1         |               |
| Library search                 | NIOSH 2549 M | SKC 226-09              | N/A        |                    | Call                 | 100            |      |                  |      | N/A               | N/A        | 0.01-0.05           | 30                   | GC/MS                |         | \$350                         |                               | \$2         |               |
| Library search                 | NIOSH 2549 M | SKC 226-73              | N/A        | N/A                | Call                 |                |      |                  |      | N/A               | N/A        | 0.01-0.05           | 30                   | GC/MS                |         | \$350                         |                               | \$3         |               |
| Library search                 | NIOSH 2549 M | SKC 575-001             | mg         | ppm                | Call                 | 100            | 1    | SKC 575-001 Rate |      |                   | N/A        |                     |                      | GC/MS                |         | \$350                         |                               | \$17        |               |
| Library search                 | NIOSH 2549 M | SKC 575-002             | mg         | ppm                | Call                 | 100            | 1    | SKC 575-002 Rate |      |                   | N/A        |                     |                      | GC/MS                |         | \$350                         |                               | \$19        |               |
| Library search                 | NIOSH 2549 M | Thermal Desorption Tube | N/A        | N/A                | Call                 |                |      |                  |      | N/A               | N/A        | 0.01-0.05           | 6                    | GC/MS                | 4       | \$350                         |                               | \$40        |               |
| <b>Lithium (as Li)</b>         | NIOSH 7303 M | Client Supplied         | µg         | mg/m <sup>3</sup>  | 10                   | 6.94           |      |                  |      |                   | 7439-93-2  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Lithium (as Li)                | NIOSH 7303 M | MCE Filter              | µg         | mg/m <sup>3</sup>  | 10                   | 6.94           |      |                  |      |                   | 7439-93-2  | 1-4                 | 100-2000             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Lithium (as Li)                | NIOSH 7303 M | PTFE Filter             | µg         | mg/m <sup>3</sup>  | 10                   | 6.94           |      |                  |      |                   |            | 1-4                 | 100-2000             | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Lithium (as Li)                | NIOSH 7303 M | PVC Filter              | µg         | mg/m <sup>3</sup>  | 10                   | 6.94           |      |                  |      |                   |            | 1-4                 | 100-2000             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| <b>Lorsban (Chlorpyrifos)</b>  | OSHA 62 M    | SKC 226-30-16           | mg         | ppm                | 0.0006               | 350.58         |      |                  |      |                   | 2921-88-2  | 1                   | 480                  | HPLC                 |         | \$90                          |                               | \$17        |               |
| <b>Magnesium (as Mg)</b>       | NIOSH 7303 M | Bulk Material           | µg         | mg/m <sup>3</sup>  | Call                 | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  |                     |                      | ICP                  |         | \$31                          | \$20                          |             | <b>M</b>      |
| Magnesium (as Mg)              | NIOSH 7303 M | Client Supplied         | µg/g       | %                  | 30                   | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Magnesium (as Mg)              | NIOSH 7303 M | Matched Weight MCE      | µg         | mg/m <sup>3</sup>  | 2                    | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Magnesium (as Mg)              | NIOSH 7303 M | MCE Filter              | µg         | mg/m <sup>3</sup>  | 2                    | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Magnesium (as Mg)              | NIOSH 7303 M | Preweighed PVC Filter   | µg         | mg/m <sup>3</sup>  | 2                    | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Magnesium (as Mg)              | NIOSH 7303 M | PVC Filter              | µg         | mg/m <sup>3</sup>  | 2                    | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Magnesium (as Mg)              | NIOSH 7303 M | Wipe                    | µg/wipe    |                    | 2                    | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter            | Method                       | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------|------------------------------|-----------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Magnesium (as Mg)    | OSHA ID-125G M               | Client Supplied       | µg         | mg/m <sup>3</sup>  | Call                 | 24.31          |      |                  | 10   | mg/m <sup>3</sup> | 7439-95-4  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Maleic anhydride     | OSHA 25                      | SKC 226-30-07         | mg         | ppm                | 0.001                | 98.06          |      |                  | 0.01 | ppm               | 108-31-6   | 0.1                 | 20                   | HPLC                 |         | \$85                          | \$45                          | \$8         |               |
| Maleic anhydride     | OSHA 86                      | SKC 225-9021          | mg         | ppm                | 0.001                | 98.06          |      |                  | 0.01 | ppm               | 108-31-6   | 0.5                 | 60                   | HPLC                 | 12      | \$85                          | \$45                          | \$22        |               |
| Malononitrile        | NIOSH 78-212                 | SKC 226-01            | mg         | ppm                | 0.1                  | 66.06          |      |                  |      |                   | 109-77-3   |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$1         |               |
| Manganese (as Mn)    | 40 CFR PART 261, APPENDIX II | Client Supplied       | mg/L       |                    | 0.02                 | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Manganese (as Mn)    | NIOSH 7303 M                 | Bulk Material         | µg/g       | %                  | 30                   | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | Matched Weight MCE    | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | Matched Weight MCE    | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | MCE Filter            | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | Preweighed PVC Filter | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | PVC Filter            | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | SKC IOM               | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.94          |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Manganese (as Mn)    | NIOSH 7303 M                 | Wipe                  | µg/wipe    |                    | 0.5                  | 54.94          |      |                  |      |                   | 7439-96-5  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Manganese (as Mn)    | OSHA ID-125G M               | MCE Filter            | µg         | mg/m <sup>3</sup>  | 0.5                  | 54.938         |      |                  | 0.2  | mg/m <sup>3</sup> | 7439-96-5  | 2                   | 480                  | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| m-Cresol             | NIOSH 2546                   | SKC 226-95            | mg         | ppm                | 0.02                 | 108.14         |      |                  |      |                   | 108-39-4   | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| Mercury (as Hg)      | HUD                          | Bulk Material         | µg/g       | %                  | 0.5                  | 200.59         |      |                  |      | N/A               | 7439-97-6  | N/A                 |                      | CVAA                 |         | \$135                         |                               |             |               |
| Mercury (as Hg)      | HUD                          | Paint                 | µg/g       | %                  | 0.5                  | 200.59         |      |                  |      | mg/m <sup>3</sup> | 7439-97-6  | N/A                 |                      | CVAA                 |         | \$135                         |                               |             |               |
| Mercury (as Hg)      | OSHA ID 145                  | Matched Weight MCE    | µg         | mg/m <sup>3</sup>  | 0.08                 | 200.59         |      |                  | 0.01 | mg/m <sup>3</sup> | 7439-97-6  | 2                   | 10                   | CVAA                 | 3       | \$120                         |                               | \$8         |               |
| Mercury (as Hg)      | OSHA ID 145                  | MCE Filter            | µg         | mg/m <sup>3</sup>  | 0.05                 | 200.59         |      |                  | 0.01 | mg/m <sup>3</sup> | 7439-97-6  | 2                   | 10                   | CVAA                 | 3       | \$120                         |                               | \$5         |               |
| Mercury (as Hg)      | OSHA ID 145                  | Wipe                  | µg         | mg/m <sup>3</sup>  | 0.05                 | 200.59         |      |                  |      | N/A               | 7439-97-6  | N/A                 | N/A                  | CVAA                 |         | \$120                         |                               | \$0.50      |               |
| Mercury (as Hg)      | OSHA ID 145 M                | Client Supplied       | mg/L       |                    | 0.004                | 200.59         |      |                  |      | N/A               | 7439-97-6  |                     |                      | CVAA                 |         | \$135                         |                               | Call        |               |
| Mercury (as Hg)      | OSHA ID 145 M                | Paint                 | µg/g       | %                  | 0.5                  | 200.59         |      |                  |      | N/A               | 7439-97-6  | N/A                 | N/A                  | CVAA                 |         | \$135                         |                               |             |               |
| Mercury (as Hg)      | OSHA ID-140                  | SKC 226-17-1A         | µg         | mg/m <sup>3</sup>  | 0.05                 | 200.59         |      |                  | 0.01 | mg/m <sup>3</sup> | 7439-97-6  | 0.05                | 9.6                  | CVAA                 | 3       | \$70                          |                               | \$2         |               |
| Mercury (as Hg)      | OSHA ID-140                  | SKC 520-02A           | µg         | mg/m <sup>3</sup>  | 0.05                 | 200.59         | 20   | SKC Rate         | 0.01 | mg/m <sup>3</sup> | 7439-97-6  |                     |                      | CVAA                 | 3       | \$70                          |                               | \$8         |               |
| Metal Working Fluids | NIOSH 5524                   | PTFE Filter           | mg         | ppm                | 100                  |                |      |                  |      |                   |            | 1.6-2.0             | 768                  | Gravimetric          | 3       | \$100                         |                               | \$8         |               |
| Methacrylic acid     | OSHA PV 2005                 | SKC 226-30-08         | mg         | ppm                | 0.0002               | 86.09          |      |                  | 20   | ppm               | 79-41-4    | 0.2                 | 20                   | HPLC                 |         | \$85                          | \$30                          | \$6         |               |
| Methanol             | NIOSH 2000                   | SKC 226-10            | mg         | ppm                | 0.003                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 2       | \$55                          |                               | \$2         |               |
| Methanol             | NIOSH 2000                   | SKC 226-10-03         | mg         | ppm                | 0.005                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 2       | \$55                          |                               | \$3.50      |               |
| Methanol             | NIOSH 2000                   | SKC 226-10-04         | mg         | ppm                | 0.003                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 2       | \$55                          |                               | \$3         |               |
| Methanol             | NIOSH 2000                   | SKC 226-15            | mg         | ppm                | 0.005                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 2       | \$55                          |                               | \$3         |               |
| Methanol             | NIOSH 2000                   | SKC 226-48            | mg         | ppm                | 0.003                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 2       | \$55                          |                               | \$3         |               |
| Methanol             | NIOSH 2000                   | SKC 226-51            | mg         | ppm                | 0.003                | 32.04          |      |                  | 200  | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 43      | \$55                          |                               | \$3         |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.



HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter              | Method                          | Media                | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment        | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|------------------------|---------------------------------|----------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|----------------|-------------------------------|-------------------------------|-------------|---------------|
| Methanol               | NIOSH 2000 M                    | SKC 226-53           | mg         | ppm                | 0.03                 | 32.04          |      |                  | 200 | ppm               | 67-56-1    | 0.02-0.2            | 1-5                  | GC/FID               | 43             | \$55                          |                               | \$5         |               |
| Methanol               | SKC VOC 575-007 IN HOUSE METHOD | SKC 575-007          | mg         | ppm                | 0.006                | 32.04          | 1.2  | SKC 575-007 RATE | 200 | ppm               | 67-56-1    |                     |                      | GC/FID               |                | \$55                          |                               | \$19        |               |
| Methomyl               | OSHA PV 2114                    | SKC 226-30-16        | mg         | mg/m <sup>3</sup>  | 0.002                | 162.2          |      |                  | 2.5 | mg/m <sup>3</sup> | 16752-77-5 | 1                   | 60                   | GC/FID               |                | \$85                          |                               | \$17        |               |
| Methyl acetate         | NIOSH 1458                      | 3M 3500 Badge        | mg         | ppm                | 0.005                | 74.08          | 37   | 3M Rate          | 200 | ppm               | 79-20-9    |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$17        | C             |
| Methyl acetate         | NIOSH 1458                      | 3M 3520 Badge        | mg         | ppm                | 0.005                | 74.08          | 37   | 3M Rate          | 200 | ppm               | 79-20-9    |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$20        |               |
| Methyl acetate         | NIOSH 1458                      | SKC 226-01           | mg         | ppm                | 0.003                | 74.08          |      |                  | 200 | ppm               | 79-20-9    | 0.01-0.2            | 0.2-10               | GC/FID               | 2              | \$45                          | \$30                          | \$1         |               |
| Methyl amine           | OSHA 40                         | SKC 226-96           | mg         | ppm                | 0.005                | 31.06          |      |                  | 5   | ppm               | 74-89-5    | 0.2                 | 10                   | HPLC                 |                | \$95                          | \$45                          | \$4.50      |               |
| Methyl amyl ketone     | NIOSH 1301                      | 3M 3500 Badge        | mg         | ppm                | 0.005                | 114.18         | 27.9 | 3M Rate          | 50  | ppm               | 110-43-0   |                     |                      | GC/FID               | 2,37           | \$45                          | \$30                          | \$17        | A             |
| Methyl amyl ketone     | NIOSH 1301                      | 3M 3520 Badge        | mg         | ppm                | 0.005                | 114.18         | 27.9 | 3M Rate          | 50  | ppm               | 110-43-0   |                     |                      | GC/FID               | 2,37           | \$45                          | \$30                          | \$20        |               |
| Methyl amyl ketone     | NIOSH 1301                      | SKC 226-01           | mg         | ppm                | 0.003                | 114.18         |      |                  | 50  | ppm               | 110-43-0   | 0.01-0.2 1          | 1-25                 | GC/FID               | 2,37           | \$45                          | \$30                          | \$1         |               |
| Methyl amyl ketone     | NIOSH 1301                      | TRACEAIR OVM2        | mg         | ppm                | 0.005                | 114.18         | 25.5 | TRACEAIR OVM2    | 50  | ppm               | 110-43-0   |                     |                      | GC/FID               |                | \$45                          | \$30                          | Call        |               |
| Methyl Bromide         | OSHA PV 2040                    | SKC 226-83 in series | mg         | ppm                | 0.002                | 94.95          |      |                  | 1   | ppm               | 74-83-9    | 0.05-0.2            | 3                    | GC/FID               |                | \$75                          |                               | \$4         |               |
| Methyl ethyl ketone    | NIOSH 2500                      | 3M 3500 Badge        | mg         | ppm                | 0.005                | 72.11          | 36.3 | 3M Rate          | 200 | ppm               | 78-93-3    |                     |                      | GC/FID               | 2              | \$50                          | \$30                          | \$17        | A,C           |
| Methyl ethyl ketone    | NIOSH 2500                      | 3M 3520 Badge        | mg         | ppm                | 0.005                | 72.11          | 36.3 | 3M Rate          | 200 | ppm               |            |                     |                      | GC/FID               | 2              | \$50                          | \$30                          | \$20        |               |
| Methyl ethyl ketone    | NIOSH 2500                      | SKC 226-81A          | mg         | ppm                | 0.005                | 72.11          |      |                  | 200 | ppm               | 78-93-3    | 0.01-0.2            | 0.25-12              | GC/FID               | 2              | \$50                          | \$30                          | \$3         |               |
| Methyl ethyl ketone    | NIOSH 2500 M                    | SKC 226-17-1A        | mg         | ppm                | Call                 | 72.11          |      |                  | 200 | ppm               |            | 0.01-0.2            | 0.25-12              | GC/FID               | 2              | \$50                          | \$30                          | \$2         |               |
| Methyl ethyl ketone    | OSHA 1004                       | SKC 226-10           | mg         | ppm                | 0.003                | 72.11          |      |                  | 200 | ppm               | 78-93-3    | 0.1                 | 16                   | GC/FID               | 2              | \$50                          | \$30                          | \$2         |               |
| Methyl ethyl ketone    | OSHA 1004                       | 3M 3520 Badge        | mg         | ppm                | 0.005                | 72.11          | 36.3 | 3M Rate          | 200 | ppm               | 1338-23-4  |                     |                      | GC/FID               | 2              | \$50                          | \$30                          | \$20        |               |
| Methyl ethyl ketone    | OSHA 1004                       | SKC 226-01           | mg         | ppm                | 0.003                | 72.11          |      |                  | 200 | ppm               | 78-93-3    |                     |                      | GC/FID               | 2              | \$50                          | \$30                          | \$1         |               |
| Methyl iodide          | NIOSH 1014                      | 3M 3520 Badge        | mg         | ppm                | 0.04                 | 141.95         | 36.7 | 3M Rate          | 2   | ppm               | 74-88-4    |                     |                      | GC/FID               |                | \$55                          | \$30                          | \$20        |               |
| Methyl isoamyl ketone  | OSHA PV 2042 M                  | 3M 3500 Badge        | mg         | ppm                | 0.005                | 114.2          | 28   | 3M Rate          | 50  | ppm               | 110-12-3   |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$17        |               |
| Methyl isoamyl ketone  | OSHA PV 2042 M                  | 3M 3520 Badge        | mg         | ppm                | 0.005                | 114.2          | 28   | 3M Rate          | 50  | ppm               | 110-12-3   |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$20        |               |
| Methyl isobutyl ketone | 3M 1028 Technical Data Bulletin | 3M 3500 Badge        | mg         | ppm                | 0.005                | 100.16         | 30   | 3M Rate          | 50  | ppm               | 108-10-1   |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$17        | A,C           |
| Methyl isobutyl ketone | 3M 1028 Technical Data Bulletin | 3M 3520 Badge        | mg         | ppm                | 0.005                | 100.16         | 30   | 3M Rate          | 50  | ppm               | 108-10-1   |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$20        |               |
| Methyl isobutyl ketone | NIOSH 1300                      | SKC 226-01           | mg         | ppm                | 0.003                | 100.16         |      |                  | 20  | ppm               | 108-10-1   |                     |                      | GC/FID               | 2              | \$45                          | \$30                          | \$1         |               |
| Methyl isobutyl ketone | NIOSH 2500                      | SKC 226-81A          | mg         | ppm                | 0.005                | 100.16         |      |                  | 50  | ppm               | 108-10-1   | 0.01-0.2            | 0.25-12              | GC/FID               | 2,37           | \$45                          | \$30                          | \$3         |               |
| Methyl isobutyl ketone | NIOSH 2500 M                    | SKC 226-17-1A        | mg         | ppm                | Call                 | 100.16         |      |                  | 50  | ppm               |            | 0.01-0.2            | 0.25-12              | GC/FID               |                | \$45                          | \$30                          | \$2         |               |
| Methyl methacrylate    | NIOSH 2537                      | SKC 226-30-06        | mg         | ppm                | 0.01                 | 100.13         |      |                  | 50  | ppm               | 80-62-6    | 0.01-0.05           | 1-8                  | GC/FID               | (2) in dry ice | \$55                          | \$30                          | \$5.50      |               |
| Methyl methacrylate    | NIOSH 2537 M                    | 3M 3500 Badge        | mg         | ppm                | 0.005                | 100.13         | 31.8 | 3M Rate          | 50  | ppm               | 80-62-6    |                     |                      | GC/FID               | 2              | \$55                          | \$30                          | \$17        |               |
| Methyl methacrylate    | NIOSH 2537 M                    | SKC 226-01           | mg         | ppm                | 0.003                | 100.13         |      |                  | 50  | ppm               | 80-62-6    |                     |                      | GC/FID               | 2              | \$55                          | \$30                          | \$1         |               |
| Methyl methacrylate    | NIOSH 2537 M                    | SKC 226-30-04        | mg         | ppm                | 0.005                | 100.13         |      |                  | 50  | ppm               | 80-62-6    |                     |                      | GC/FID               | (2) in dry ice | \$55                          | \$30                          | \$3.50      |               |
| Methyl n-amyl ketone   | NIOSH 1301                      | 3M 3500 Badge        | mg         | ppm                | 0.005                | 114.18         | 27.9 | 3M Rate          | 50  | ppm               | 110-43-0   |                     |                      | GC/FID               | 2              | \$55                          | \$30                          | \$17        |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                             | Method                       | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|---------------------------------------|------------------------------|-----------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Methyl n-amyl ketone                  | NIOSH 1301                   | 3M 3520 Badge   | mg         | ppm                | 0.005                | 114.18         | 27.9 | 3M Rate          | 50    | ppm               | 110-43-0   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Methyl n-amyl ketone                  | NIOSH 1301                   | SKC 226-01      | mg         | ppm                | 0.003                | 114.18         |      |                  | 50    | ppm               | 110-43-0   | 0.01-0.2            | 1-25                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Methyl n-amyl ketone                  | NIOSH 1301                   | SKC 575-002     | mg         | ppm                | 0.005                | 114.18         | 12.2 | SKC 575-002 Rate | 50    | ppm               | 110-43-0   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| <b>Methyl n-butyl ketone</b>          | NIOSH 1300                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 100.16         |      |                  | 5     | ppm               | 591-78-6   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Methyl n-butyl ketone                 | NIOSH 1300                   | SKC 226-01      | mg         | ppm                | 0.005                | 100.16         |      |                  | 5     | ppm               | 591-78-6   | 0.01-0.2            | 1-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| <b>Methyl tert-butyl ether</b>        | NIOSH 1615                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 88.17          | 30.8 | 3M Rate          | 40    | ppm               | 1634-04-4  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Methyl tert-butyl ether               | NIOSH 1615                   | 3M 3520 Badge   | mg         | ppm                | 0.005                | 88.17          | 30.8 | 3M Rate          | 40    | ppm               | 1634-04-4  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Methyl tert-butyl ether               | NIOSH 1615                   | SKC 226-01      | mg         | ppm                | 0.003                | 88.17          |      |                  | 40    | ppm               | 1634-04-4  | 0.1-0.2             | 2-96                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Methyl tert-butyl ether               | NIOSH 1615                   | SKC 226-37      | mg         | ppm                | 0.005                | 88.17          |      |                  | 40    | ppm               | 1634-04-4  | 0.1-0.2             | 2-96                 | GC/FID               | 2,10    | \$55                          | \$30                          | \$5         |               |
| Methyl tert-butyl ether               | NIOSH 1615                   | SKC 575-001     | mg         | ppm                | 0.005                | 88.17          | 13.6 | SKC 575-001 Rate | 40    | ppm               | 1634-04-4  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Methyl tert-butyl ether               | NIOSH 1615                   | SKC 575-002     | mg         | ppm                | 0.005                | 88.17          | 13.6 | SKC 575-002 Rate | 40    | ppm               | 1634-04-4  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$19        |               |
| <b>Methyl-2-cyanoacrylate</b>         | OSHA 55                      | SKC 226-98      | mg         | ppm                | 0.001                | 111.1          |      |                  | 0.2   | ppm               | 137-05-3   | 0.1                 | 12                   | HPLC                 | 2       | \$95                          |                               | \$3         |               |
| <b>Methylcyclohexane</b>              | NIOSH 1500                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 98.19          | 28.9 | 3M Rate          | 400   | ppm               | 108-87-2   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| Methylcyclohexane                     | NIOSH 1500                   | 3M 3520 Badge   | mg         | ppm                | 0.005                | 98.19          | 28.9 | 3M Rate          | 400   | ppm               | 108-87-2   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Methylcyclohexane                     | NIOSH 1500                   | SKC 226-36      | mg         | ppm                | 0.005                | 98.19          |      |                  | 400   | ppm               | 108-87-2   | 0.01-0.2            | 2-10                 | GC/FID               |         | \$45                          | \$30                          | \$5         |               |
| <b>Methylene bisphenyl isocyanate</b> | OSHA 47                      | Impinger        | mg         | ppm                | 0.0002               | 250.26         |      |                  | 0.005 | ppm               | 101-68-8   | 1                   | 15                   | HPLC                 | 11      | \$85                          | \$45                          | Call        |               |
| Methylene bisphenyl isocyanate        | OSHA 47                      | SKC 225-9002    | mg         | ppm                | 0.005                | 250.26         |      |                  | 0.005 | ppm               | 101-68-8   | 1                   | 15                   | HPLC                 | 12      | \$85                          | \$45                          | \$15        |               |
| Methylene bisphenyl isocyanate        | OSHA 47                      | SKC 225-9013    | mg         | ppm                | 0.005                | 250.26         |      |                  | 0.005 | ppm               | 101-68-8   | 1                   | 15                   | HPLC                 | 12      | \$85                          | \$45                          | \$13        |               |
| Methylene bisphenyl isocyanate        | OSHA 47                      | Treated Wipe    | mg/wipe    | Call               | 0.001                | 250.26         |      |                  | 0.005 | ppm               | 101-68-8   | N/A                 | N/A                  | HPLC                 | 12      | \$85                          | \$45                          | \$13        |               |
| <b>Methylene chloride</b>             | NIOSH 1005                   | 3M 3500 Badge   | mg         | ppm                | 0.005                | 84.93          | 37.9 | 3M Rate          | 50    | ppm               | 75-09-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | <b>C</b>      |
| Methylene chloride                    | NIOSH 1005                   | 3M 3520 Badge   | mg         | ppm                | 0.005                | 84.93          | 37.9 | 3M Rate          | 50    | ppm               | 75-09-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Methylene chloride                    | NIOSH 1005                   | SKC 226-01      | mg         | ppm                | 0.003                | 84.93          |      |                  | 50    | ppm               | 75-09-2    | 0.01-0.2            | 0.5-2.5              | GC/FID               | 10      | \$45                          | \$30                          | \$1         |               |
| Methylene chloride                    | NIOSH 1005                   | SKC 226-09      | mg         | ppm                | 0.005                | 84.93          |      |                  | 50    | ppm               | 75-09-2    | 0.01-0.2            | 0.5-2.5              | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Methylene chloride                    | NIOSH 1005                   | SKC 575-002     | mg         | ppm                | 0.005                | 84.93          | 14.7 | SKC 575-002 Rate | 50    | ppm               | 75-09-2    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Methylene chloride                    | OSHA 59                      | SKC 226-09-02   | mg         | ppm                | 0.02                 | 84.93          |      |                  | 50    | ppm               | 75-09-2    | 0.05                | 10                   | GC/FID               | 2       | \$45                          | \$30                          | \$6         |               |
| <b>Methylene dianiline</b>            | OSHA 57                      | SKC 225-9004    | mg         | ppm                | 0.0002               | 198.3          |      |                  | 0.1   | ppm               | 101-77-9   | 1                   | 100                  | HPLC                 | 12      | \$85                          | \$45                          | \$15        |               |
| <b>Microscopic examination</b>        | Microscopic examination      | Bulk Material   | *          |                    |                      |                |      |                  |       |                   | N/A        | N/A                 | N/A                  | Microscope           |         | \$50                          |                               |             |               |
| <b>Mineral spirits</b>                | NIOSH 1550                   | 3M 3500 Badge   | mg         | ppm                | 0.04                 | 140            | 24.3 | 3M Rate          | 100   | ppm               | 8052-41-3  |                     |                      | GC/FID               | 8       | \$55                          | \$30                          | \$17        | <b>A</b>      |
| Mineral spirits                       | NIOSH 1550                   | 3M 3520 Badge   | mg         | ppm                | 0.04                 | 140            | 24.3 | 3M Rate          | 100   | ppm               | 8052-41-3  |                     |                      | GC/FID               | 8       | \$55                          | \$30                          | \$20        |               |
| Mineral spirits                       | NIOSH 1550                   | SKC 226-01      | mg         | ppm                | 0.02                 | 140            |      |                  | 100   | ppm               | 8052-41-3  | 1.3-2.0             | 0.2-3.2              | GC/FID               | 8       | \$55                          | \$30                          | \$1         |               |
| Mineral spirits                       | NIOSH 1550                   | SKC 226-09      | mg         | ppm                | 0.04                 | 140            |      |                  | 100   | ppm               | 8052-41-3  | 1.3-2.0             | 0.2-3.2              | GC/FID               | 8       | \$55                          | \$30                          | \$2         |               |
| <b>Molybdenum (as Mo)</b>             | 40 CFR PART 261, APPENDIX II | Client Supplied | mg/L       |                    | 0.05                 | 95.94          |      |                  | 5     | mg/m <sup>3</sup> | 7439-98-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                          | Method                               | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|------------------------------------|--------------------------------------|--------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | Bulk Material      | µg/g       | %                  | 30                   | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | Client Supplied    | µg         | mg/m <sup>3</sup>  | Call                 | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | Matched Weight MCE | µg         | mg/m <sup>3</sup>  | 2                    | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | MCE Filter         | µg         | mg/m <sup>3</sup>  | 2                    | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | PVC Filter         | µg         | mg/m <sup>3</sup>  | 2                    | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  | 1-4                 | 5-67                 | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | SKC IOM            | µg         | mg/m <sup>3</sup>  | 2                    | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Molybdenum (as Mo)                 | NIOSH 7303 M                         | Wipe               | µg         | mg/m <sup>3</sup>  | 2                    | 95.94          |      |                  | 5   | mg/m <sup>3</sup> | 7439-98-7  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| <b>Monoethanolamine</b>            | NIOSH 3509                           | Impinger           | mg         | ppm                | Call                 | 61.08          |      |                  |     | ppm               | 141-43-5   | 0.5-1               | 5-300                | IC                   |         | \$95                          |                               | Call        |               |
| <b>Monomethylamine</b>             | OSHA 40                              | SKC 226-96         | mg         | ppm                | 0.01                 | 31.06          |      |                  | 5   | ppm               | 74-89-5    | 0.2                 | 10                   | HPLC                 |         | \$95                          |                               | \$4.50      |               |
| <b>Monomethylformamide</b>         | NIOSH 2004 M                         | SKC 226-10         | mg         | ppm                | 0.003                | 59.06          |      |                  |     | ppm               | 123-39-7   | 0.01-1              | 15-80                | GC/FID               |         | \$85                          | \$40                          | \$2         |               |
| <b>Morpholine</b>                  | NIOSH 2540 M                         | SKC 226-30-18      | mg         | ppm                | 0.002                | 87.12          |      |                  | 20  | ppm               | 110-91-8   | 0.01-0.1            | 1-20                 | HPLC                 | 3       | \$95                          |                               | \$5         |               |
| <b>m-Phenylenediamine</b>          | OSHA Method 87                       | SKC 225-9004       | mg         | ppm                | 0.0003               | 108.14         |      |                  |     |                   | 108-45-2   | 1                   | 100                  | HPLC                 |         | \$90                          |                               | \$15        |               |
| <b>Myclobutanil</b>                | AOAC 2007.01M<br>HHH In-House method | Client Supplied    | µg/g       | %                  | Call                 | 288.78         |      |                  |     |                   | 88671-89-0 |                     |                      |                      |         | \$90                          |                               | Call        |               |
| <b>N-(phosphonomethyl) glycine</b> | Zeneca YEM/005/01                    | PVC Filter         | mg         | ppm                | 0.005                | 169.0736       |      |                  |     |                   | 1071-83-6  |                     |                      | IC                   |         | \$100                         |                               | \$5         |               |
| N-(phosphonomethyl) glycine        | Zeneca YEM/005/01                    | MCE Filter         | mg         | ppm                | 0.005                | 169.0736       |      |                  |     |                   | 1071-83-6  |                     |                      | IC                   |         | \$100                         |                               | \$5         |               |
| N-(phosphonomethyl) glycine        | Zeneca YEM/005/01                    | PVC Filter         | mg         | ppm                | 0.005                | 169.0736       |      |                  |     |                   | 1071-83-6  |                     |                      | IC                   |         | \$100                         |                               | \$5         |               |
| <b>N,N-Dimethylacetamide</b>       | NIOSH 2004 M                         | 3M 3500 Badge      | mg         | ppm                | 0.007                | 87.12          | 32   | 3M Rate          |     |                   | 127-19-5   |                     |                      | GC/FID               |         | \$85                          |                               | \$17        |               |
| N,N-Dimethylacetamide              | NIOSH 2004 M                         | SKC 226-10         | mg         | ppm                | 0.004                | 87.12          |      |                  |     |                   | 127-19-5   | 0.01-1              | 15-80                | GC/FID               |         | \$85                          |                               | \$2         |               |
| <b>n,n-Dimethylaniline</b>         | NIOSH PV2064                         | SKC 226-98         | mg         | ppm                | 0.006                | 121.18         |      |                  | 5   | ppm               | 121-69-7   | 0.2                 | 30                   | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>n-Amyl alcohol</b>              | NIOSH 1402                           | 3M 3500 Badge      | mg         | ppm                | 0.005                | 88.15          | 31.2 | 3M Rate          |     | ppm               | 71-41-0    |                     |                      | GC/FID               | 2       | \$55                          |                               | \$17        |               |
| n-Amyl alcohol                     | NIOSH 1402                           | SKC 226-09         | mg         | ppm                | 0.005                | 88.15          |      |                  |     | ppm               | 71-41-0    | 0.01-0.2            | 1-10                 | GC/FID               | 2       | \$55                          |                               | \$2         |               |
| <b>Naphtha</b>                     | NIOSH 1550                           | 3M 3500 Badge      | mg         | ppm                | 0.01                 | 142.28         | 33.2 | 3M Rate          |     | ppm               | 8030-30-6  |                     |                      | GC/FID               | 2,4     | \$55                          | \$30                          | \$17        | <b>A</b>      |
| Naphtha                            | NIOSH 1550                           | 3M 3520 Badge      | mg         | ppm                | 0.02                 | 142.28         | 33.2 | 3M Rate          |     | ppm               | 8030-30-6  |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Naphtha                            | NIOSH 1550                           | SKC 226-01         | mg         | ppm                | 0.01                 | 142.28         |      |                  |     | ppm               | 8030-30-6  | 0.01-0.2            | 1.3-20               | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| <b>Naphtha, aromatic</b>           | NIOSH 1550                           | 3M 3500 Badge      | mg         | ppm                | 0.04                 | 142.28         | 33.2 | 3M Rate          | 300 | ppm               | 64742-94-5 |                     |                      | GC/FID               | 2,8     | \$55                          | \$30                          | \$17        | <b>A</b>      |
| Naphtha, aromatic                  | NIOSH 1550                           | 3M 3520 Badge      | mg         | ppm                | 0.04                 | 142.28         | 33.2 | 3M Rate          | 300 | ppm               | 64742-94-5 |                     |                      | GC/FID               | 2,8     | \$55                          | \$30                          | \$20        |               |
| Naphtha, aromatic                  | NIOSH 1550                           | SKC 226-01         | mg         | ppm                | 0.02                 | 142.28         |      |                  | 300 | ppm               | 64742-94-5 | 1.3-2.0             | 0.2-3.2              | GC/FID               | 2,8     | \$55                          | \$30                          | \$1         |               |
| <b>Naphtha, light aromatic</b>     | NIOSH 1550                           | 3M 3500 Badge      | mg         | ppm                | 0.04                 | 114.22         | 33.2 | 3M Rate          | 300 | ppm               | 64742-95-6 |                     |                      | GC/FID               | 2,8     | \$55                          | \$30                          | \$17        | <b>A</b>      |
| Naphtha, light aromatic            | NIOSH 1550                           | SKC 226-01         | mg         | mg/m <sup>3</sup>  | 0.02                 | 114.22         |      |                  | 300 | ppm               | 64742-95-6 | 0.01-2              | 1.3-20               | GC/FID               | 2,8     | \$55                          | \$30                          | \$1         |               |
| <b>Naphthalene</b>                 | NIOSH 1501                           | 3M 3500 Badge      | mg         | ppm                | 0.02                 | 128.19         | 24.6 | 3M Rate          | 10  | ppm               | 91-20-3    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$17        | <b>A</b>      |
| Naphthalene                        | NIOSH 1501                           | 3M 3520 Badge      | mg         | ppm                | 0.02                 | 128.19         | 24.6 | 3M Rate          | 10  | ppm               | 91-20-3    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$20        |               |
| Naphthalene                        | NIOSH 1501                           | SKC 226-01         | mg         | ppm                | 0.01                 | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 1-2.0               | 100-200              | GC/FID               |         | \$45                          | \$30                          | \$1         | <b>A</b>      |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                  | Method         | Media                    | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------------|----------------|--------------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Naphthalene                | NIOSH 1501     | SKC 226-09               | mg         | ppm                | 0.02                 | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 1-2.0               | 100-200              | GC/FID               |         | \$45                          | \$30                          | \$2         |               |
| Naphthalene                | NIOSH 1501     | SKC 226-81A              | mg         | ppm                | 0.01                 | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 1-2.0               | 100-200              | GC/FID               |         | \$45                          |                               | \$3         |               |
| Naphthalene                | NIOSH 1501     | SKC 575-001              | mg         | ppm                | 0.02                 | 128.19         | 12.2 | SKC 575-001 Rate | 10  | ppm               | 91-20-3    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$17        |               |
| Naphthalene                | NIOSH 1501     | SKC 575-002              | mg         | ppm                | 0.02                 | 128.19         | 12.2 | SKC 575-002 Rate | 10  | ppm               | 91-20-3    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$19        |               |
| Naphthalene                | NIOSH 1501     | TRACEAIR OVM2            | mg         | ppm                | 0.02                 | 128.19         | 26.4 | TRACEAIR OVM2    | 10  | ppm               | 91-20-3    |                     |                      | GC/FID               |         | \$45                          | \$30                          | Call        |               |
| Naphthalene                | NIOSH 5515     | PTFE Filter + XAD-2 Tube | mg         | ppm                | 0.01                 | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | Call        | Call          |
| Naphthalene                | NIOSH 5515     | SKC 226-30-04            | mg         | ppm                | 0.005                | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      | Call          |
| Naphthalene                | OSHA 35        | SKC 226-110              | mg         | ppm                | 0.01                 | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 0.2                 | 10                   | GC/FID               |         | \$45                          | \$30                          | \$10        |               |
| Naphthalene                | OSHA 58 M      | SKC 226-30-04            | mg         | ppm                | 0.005                | 128.19         |      |                  | 10  | ppm               | 91-20-3    | 2                   | 960                  | GC/FID               |         | \$85                          | \$45                          | \$3.50      |               |
| <b>n-Butane</b>            | OSHA PV 2010 M | 3M 3520 Badge            | mg         | ppm                | 0.005                | 58.1           | 39.2 | 3M Rate          |     |                   | 106-97-8   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| <b>n-Butanol</b>           | NIOSH 1501 M   | 3M 3500 Badge            | mg         | ppm                | 0.005                | 74.12          | 34.3 | 3M Rate          | 50  | ppm               | 71-36-3    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        | <b>B</b>      |
| <b>n-Butyl acetate</b>     | OSHA 1009      | 3M 3500 Badge            | mg         | ppm                | 0.005                | 116.16         | 31.6 | 3M Rate          | 150 | ppm               | 123-86-4   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        | <b>C</b>      |
| n-Butyl acetate            | OSHA 1009      | 3M 3520 Badge            | mg         | ppm                | 0.005                | 116.16         | 31.6 | 3M Rate          | 150 | ppm               | 123-86-4   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| n-Butyl acetate            | OSHA 1009      | SKC 226-01               | mg         | ppm                | 0.003                | 116.16         |      |                  | 150 | ppm               | 123-86-4   | 0.05                | 0.75-12              | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| <b>n-Butyl alcohol</b>     | NIOSH 1401     | 3M 3500 Badge            | mg         | ppm                | 0.005                | 74.12          | 34.3 | 3M Rate          | 50  | ppm               | 71-36-3    |                     |                      | GC/FID               | 2,7     | \$55                          | \$30                          | \$17        | <b>B</b>      |
| n-Butyl alcohol            | NIOSH 1401     | 3M 3520 Badge            | mg         | ppm                | 0.005                | 74.12          | 34.3 | 3M Rate          | 50  | ppm               | 71-36-3    |                     |                      | GC/FID               | 2,7     | \$55                          | \$30                          | \$20        |               |
| n-Butyl alcohol            | NIOSH 1401     | SKC 226-01               | mg         | ppm                | 0.003                | 74.12          |      |                  | 50  | ppm               | 71-36-3    | 0.01-0.2            | 1-10                 | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| <b>n-Dioctyl phthalate</b> | OSHA 104       | SKC 226-56               | mg         | ppm                | 0.006                | 390.6          |      |                  |     | ppm               | 117-84-0   | 1                   | 240                  | GC/FID               |         | \$55                          | \$30                          | \$26        |               |
| <b>n-Heptane</b>           | NIOSH 1500     | 3M 3500 Badge            | mg         | ppm                | 0.005                | 100.21         | 28.9 | 3M Rate          | 400 | ppm               | 142-82-5   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| n-Heptane                  | NIOSH 1500     | 3M 3520 Badge            | mg         | ppm                | 0.005                | 100.21         | 28.9 | 3M Rate          | 400 | ppm               | 142-82-5   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| n-Heptane                  | NIOSH 1500     | SKC 226-01               | mg         | ppm                | 0.003                | 100.21         |      |                  | 400 | ppm               | 142-82-5   | 0.01-0.2            | 2-10                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| n-Heptane                  | NIOSH 1500     | SKC 226-36               | mg         | ppm                | 0.005                | 100.21         |      |                  | 400 | ppm               | 142-82-5   | 0.01-0.2            | 4                    | GC/FID               | 2       | \$45                          | \$30                          | \$5         |               |
| <b>n-Hexane</b>            | NIOSH 1500     | 3M 3500 Badge            | mg         | ppm                | 0.005                | 86.18          | 32   | 3M Rate          | 50  | ppm               | 110-54-3   |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| n-Hexane                   | NIOSH 1500     | 3M 3520 Badge            | mg         | ppm                | 0.005                | 86.18          | 32   | 3M Rate          | 50  | ppm               |            |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| n-Hexane                   | NIOSH 1500     | SKC 226-36               | mg         | ppm                | 0.005                | 86.18          |      |                  | 50  | ppm               | 110-54-3   | 0.01-0.2            | 4                    | GC/FID               | 2       | \$45                          | \$30                          | \$5         |               |
| n-Hexane                   | NIOSH 1501     | SKC 226-01               | mg         | ppm                | 0.003                | 86.18          |      |                  | 50  | ppm               | 110-54-3   | 0.01-0.2            | 1-30                 |                      | 2       | \$45                          | \$30                          | \$1         |               |
| <b>Nickel (as Ni)</b>      | NIOSH 7303 M   | Bulk Material            | µg/g       | %                  | 30                   | 58.7           |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-02-0  |                     |                      | ICP                  |         | \$31                          | \$20                          |             | <b>M</b>      |
| Nickel (as Ni)             | NIOSH 7303 M   | Client Supplied          | µg/g       | %                  | 30                   | 58.7           |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-02-0  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Nickel (as Ni)             | NIOSH 7303 M   | Matched Weight MCE       | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-02-0  |                     |                      | ICP                  | 4       | \$31                          | \$20                          | \$8         |               |
| Nickel (as Ni)             | NIOSH 7303 M   | MCE Filter               | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-02-0  | 1-4                 | 5-1000               | ICP                  | 4       | \$31                          | \$20                          | \$5         |               |
| Nickel (as Ni)             | NIOSH 7303 M   | Paint                    | µg/g       | %                  | 30                   | 58.7           |      |                  | 0.1 | mg/m <sup>3</sup> | 7440-02-0  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Nickel (as Ni)             | NIOSH 7303 M   | Prewieghed PVC Filter    | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |      |                  | 1.5 | mg/m <sup>3</sup> | 7440-02-0  | 1.4                 | 5-1000               | ICP                  | 4       | \$31                          | \$20                          | \$8         |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                                     | Method                 | Media         | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate  | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique     | Comment | Price 1 <sup>a</sup> analyte | Price 2 <sup>a</sup> analyte | Media Price | Compatibility |
|---|------------------------|---------------|------------|--------------------|----------------------|----------------|-------|------------------|------|-------------------|------------|---------------------|----------------------|--------------------------|---------|------------------------------|------------------------------|-------------|---------------|
| Nickel (as Ni)                                | NIOSH 7303 M           | PVC Filter    | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |       |                  | 0.1  | mg/m <sup>3</sup> | 7440-02-0  | 1-4                 | 5-1000               | ICP                      | 4       | \$31                         | \$20                         | \$5         |               |
| Nickel (as Ni)                                | NIOSH 7303 M           | SKC IOM       | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |       |                  | 0.1  | mg/m <sup>3</sup> | 7440-02-0  |                     |                      | ICP                      |         | \$31                         | \$20                         | \$20        |               |
| Nickel (as Ni)                                | NIOSH 7303 M           | Wipe          | µg/wipe    |                    | 2                    | 58.7           |       |                  | 0.1  | mg/m <sup>3</sup> | 7440-02-0  | N/A                 | N/A                  | ICP                      |         | \$31                         | \$20                         | \$0.50      |               |
| Nickel (as Ni)                                | OSHA ID-125G M         | MCE Filter    | µg         | mg/m <sup>3</sup>  | 2                    | 58.7           |       |                  | 0.1  | mg/m <sup>3</sup> | 7440-02-0  | 2                   | 480                  | ICP                      | 4       | \$31                         | \$20                         | \$5         |               |
| <b>Nickel carbonyl, as Ni(CO)<sub>4</sub></b> | NIOSH 6007 M           | MCE Filter    | µg         | ppm                | 3                    | 170.73         |       |                  | 0.05 | ppm               | 13463-39-3 |                     |                      | ICP                      |         | \$85                         |                              | \$5         |               |
| Nickel carbonyl, as Ni(CO) <sub>4</sub>       | NIOSH 6007 M           | SKC 226-01    | µg         | ppm                | 2                    | 170.73         |       |                  | 0.05 | ppm               | 13463-39-3 | 0.05-0.2            | 7-80                 | ICP                      | 4       | \$85                         | \$55                         | \$1         |               |
| <b>Nicotine</b>                               | NIOSH 2551             | SKC 226-93    | mg         | ppm                | Call                 | 162.23         |       |                  | 0.5  | mg/m <sup>3</sup> | 54-11-5    |                     |                      | GC-NPD                   |         | \$85                         |                              | \$3         |               |
| <b>Niobium (as Nb)</b>                        | NIOSH 7303 M           | MCE Filter    | µg         | mg/m <sup>3</sup>  | 10                   | 92.9           |       |                  |      |                   | 7440-03-1  |                     |                      | ICP                      |         | \$31                         | \$20                         | \$5         |               |
| <b>Nitric acid</b>                            | NIOSH 7907             | SKC 225-9032  | mg         | ppm                | 0.006                | 63.02          |       |                  | 2    | ppm               | 10035-10-6 | 0.1-1.0             | 0.5-600              | IC                       |         | \$85                         | \$30                         | \$27        |               |
| <b>Nitric acid</b>                            | OSHA ID 165 SG         | SKC 226-10-03 | mg         | ppm                | 0.006                | 63.02          |       |                  | 2    | ppm               | 7697-37-2  | 0.2                 | 96                   | IC                       | 4       | \$85                         | \$30                         | \$3.50      |               |
| <b>Nitric oxide</b>                           | NIOSH 6014             | SKC 226-40    | mg         | ppm                | 0.01                 | 30.01          |       |                  | 25   | ppm               | 10102-43-9 | 0.025               | 1.5                  | UV/VIS Spectrophotometry |         | \$70                         | \$30                         | \$3         |               |
| <b>Nitrobenzene</b>                           | NIOSH 2005             | SKC 226-10    | mg         | ppm                | 0.003                | 123.11         |       |                  | 1    | ppm               | 98-95-3    | 0.01-1              | 10-150               | GC/FID                   |         | \$55                         |                              | \$2         |               |
| Nitrobenzene                                  | NIOSH 2005             | SKC 226-15    | mg         | ppm                | 0.005                | 123.11         |       |                  | 1    | ppm               | 98-95-3    | 0.01-1              | 10-150               | GC/FID                   |         | \$55                         |                              | \$3         |               |
| <b>Nitrogen dioxide</b>                       | NIOSH 6014             | SKC 226-40    | mg         | ppm                | 0.003                | 46.01          |       |                  | 0.2  | ppm               | 10102-44-0 | 0.025-0.2           | 1.5-6                | UV/VIS Spectrophotometry |         | \$70                         |                              | \$3         |               |
| Nitrogen dioxide                              | NIOSH 6014             | SKC 500-200   | mg         | ppm                | 0.005                | 46.01          | 12.83 | SKC 500-200 Rate | 0.2  | ppm               | 10102-44-0 |                     |                      | UV/VIS Spectrophotometry |         | \$70                         |                              | \$19        |               |
| Nitrogen dioxide                              | OSHA ID 182M           | SKC 500-100   | mg         | ppm                | Call                 | 46.01          | 12.83 | SKC 500-100 Rate | 0.2  | ppm               | 10102-44-0 |                     |                      | UV/VIS Spectrophotometry |         | \$70                         |                              | \$19        |               |
| <b>n-Methyl-2-pyrrolidinone</b>               | NIOSH 1302             | 3M 3500 Badge | mg         | ppm                | 0.005                | 99.13          | 28.8  | 3M Rate          | 25   | ppm               | 872-50-4   |                     |                      | GC/FID                   |         | \$55                         | \$30                         | \$17        |               |
| n-Methyl-2-pyrrolidinone                      | NIOSH 1302             | 3M 3520 Badge | mg         | ppm                | 0.005                | 99.13          | 28.8  | 3M Rate          | 25   | ppm               | 872-50-4   |                     |                      | GC/FID                   |         | \$55                         | \$30                         | \$20        |               |
| n-Methyl-2-pyrrolidinone                      | NIOSH 1302             | SKC 226-01    | mg         | ppm                | 0.003                | 99.13          |       |                  | 25   | ppm               | 872-50-4   | 0.05-0.2            | 0.5-125              | GC/FID                   |         | \$55                         | \$30                         | \$1         |               |
| n-Methyl-2-pyrrolidinone                      | NIOSH 1302             | SKC 226-09    | mg         | ppm                | 0.005                | 99.13          |       |                  | 25   | ppm               |            | 0.05-0.2            | 0.5-125              | GC/FID                   |         | \$55                         | \$30                         | \$2         |               |
| <b>n-Methyldiethanolamine</b>                 | OSHA 20 M              | SKC 226-42-02 | mg         | ppm                |                      | 119.2          |       |                  |      |                   | 105-59-9   |                     |                      | GC/FID                   |         | \$90                         | \$40                         | \$4.50      |               |
| <b>n-Nonane</b>                               | NIOSH 1500             | 3M 3500 Badge | mg         | ppm                | 0.005                | 128.26         | 24.6  | 3M Rate          | 200  | ppm               | 111-84-2   |                     |                      | GC/FID                   | 2       | \$45                         | \$30                         | \$17        | <b>A</b>      |
| <b>n-Octane</b>                               | NIOSH 1500             | 3M 3500 Badge | mg         | ppm                | 0.005                | 114.22         | 26.6  | 3M Rate          | 300  | ppm               | 111-65-9   |                     |                      | GC/FID                   | 2       | \$45                         | \$30                         | \$17        | <b>A</b>      |
| n-Octane                                      | NIOSH 1500             | SKC 226-36    | mg         | ppm                | 0.005                | 114.22         |       |                  | 300  | ppm               | 111-65-9   | 0.01-0.2            | 4                    | GC/FID                   | 2       | \$45                         | \$30                         | \$5         |               |
| <b>n-Pentane</b>                              | NIOSH 1500             | 3M 3520 Badge | mg         | ppm                | 0.005                | 72.15          | 35.3  | 3M Rate          | 600  | ppm               | 109-66-0   |                     |                      | GC/FID                   | 2       | \$45                         | \$30                         | \$20        | <b>A</b>      |
| n-Pentane                                     | NIOSH 1500             | SKC 226-36    | mg         | ppm                | 0.005                | 72.15          |       |                  | 600  | ppm               | 78-78-4    | 0.01-0.05           | 2                    | GC/FID                   | 2       | \$45                         | \$30                         | \$5         |               |
| <b>n-Propanol</b>                             | NIOSH 1401             | 3M 3500 Badge | mg         | ppm                | 0.005                | 60.09          | 39.7  | 3M Rate          | 200  | ppm               | 71-23-8    |                     |                      | GC/FID                   | 2       | \$55                         | \$30                         | \$17        | <b>B</b>      |
| n-Propanol                                    | NIOSH 1401             | 3M 3520 Badge | mg         | ppm                | 0.005                | 60.09          | 39.7  | 3M Rate          | 200  | ppm               | 71-23-8    |                     |                      | GC/FID                   | 2       | \$55                         | \$30                         | \$20        |               |
| <b>n-Propyl acetate</b>                       | NIOSH 1450             | SKC 226-01    | mg         | ppm                | 0.003                | 102.13         |       |                  | 200  | ppm               | 109-60-4   | 0.01-0.2            | 1-10                 | GC/FID                   | 2       | \$45                         | \$30                         | \$1         |               |
| <b>n-Propyl Bromide</b>                       | NIOSH 1025             | SKC 575-002   | mg         | ppm                | 0.005                | 122.99         | 14.7  | SKC 575-002 Rate |      |                   | 106-94-5   |                     |                      | GC/FID                   |         | \$55                         |                              | \$19        |               |
| <b>n-Vinyl-2-pyrrolidone</b>                  | OSHA PV2106            | SKC 226-01    | mg         | ppm                | 0.005                | 114.14         |       |                  | 0.05 | ppm               | 88-12-0    | 0.2                 | 10                   | GC/FID                   |         | \$45                         | \$30                         | \$1         |               |
| <b>Octamethylcyclotetrasiloxane</b>           | SKC Proprietary Method | SKC 226-01    | mg         | ppm                | 0.005                | 296.62         |       |                  |      |                   | 556-67-2   |                     |                      | GC/FID                   |         | \$65                         |                              | \$1         |               |

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<sup>\*\*\*</sup> Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
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| Parameter                       | Method                       | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|---------------------------------|------------------------------|-----------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Oil mist                        | NIOSH 5026                   | Client Supplied       | mg         | mg/m <sup>3</sup>  | 0.1                  |                |      |                  | 5    | mg/m <sup>3</sup> | 8012-95-1  | 1-3                 | 20-500               | IR                   |         | \$65                          |                               | Call        |               |
| Oil mist                        | NIOSH 5026                   | MCE Filter            | mg         | mg/m <sup>3</sup>  | 0.1                  |                |      |                  | 5    | mg/m <sup>3</sup> | N/A        | 1-3                 | 20-500               | IR                   |         | \$65                          |                               | \$5         |               |
| Oil mist                        | NIOSH 5026                   | PTFE Filter           | mg         | mg/m <sup>3</sup>  | 0.1                  |                |      |                  |      |                   | 8012-95-1  | 1-3                 | 20-500               | IR                   |         | \$65                          |                               | \$8         |               |
| Oil mist                        | NIOSH 5524                   | PTFE Filter           | mg         | mg/m <sup>3</sup>  | 0.1                  | 0              |      |                  | 5    | mg/m <sup>3</sup> | 8012-95-1  | 1.6-2               | 768                  | Gravimetric          |         | \$65                          |                               |             |               |
| <b>o-Nitrophenol</b>            | NIOSH 2546 M                 | SKC 226-95            | mg         | ppm                | 0.04                 | 139.11         |      |                  |      |                   | 88-75-5    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>o-Phenylenediamine</b>       | OSHA 87                      | SKC 225-9004          | mg         | mg/m <sup>3</sup>  | 0.0003               | 108.05         |      |                  | 0.1  | mg/m <sup>3</sup> | 95-54-5    | 1                   | 100                  | HPLC                 |         | \$95                          | \$45                          | \$15        |               |
| <b>o-sec-Butylphenol</b>        | NIOSH 2546 M                 | SKC 226-95            | mg         | ppm                | 0.05                 | 150.24         |      |                  |      |                   | 89-72-5    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$50                          |                               | \$3         |               |
| <b>Osmium (as Os)</b>           | 40 CFR PART 261, APPENDIX II | Client Supplied       | mg/L       |                    | 0.1                  | 190.23         |      |                  |      |                   | 7440-04-2  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| <b>o-tert-Butylphenol</b>       | NIOSH 2546 M                 | SKC 226-95            | mg         | ppm                | 0.04                 | 150.2          |      |                  |      |                   | 88-18-6    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>Oxalic Acid</b>              | OSHA IMIS 1970               | MCE Filter            | mg         | mg/m <sup>3</sup>  | 0.009                | 90.04          |      |                  | 1    | mg/m <sup>3</sup> | 144-62-7   | 1                   | 100                  | IC                   |         | \$85                          |                               | \$5         |               |
| Oxalic Acid                     | OSHA PV 2115                 | Glass Fiber Filter    | mg         | mg/m <sup>3</sup>  | 0.005                | 90.04          |      |                  | 1    | mg/m <sup>3</sup> | 144-62-7   | 1                   | 100                  | IC                   |         | \$85                          |                               | \$8         |               |
| <b>o-Xylene</b>                 | NIOSH 1501                   | 3M 3500 Badge         | mg         | ppm                | 0.005                | 106.16         | 27.3 | 3M Rate          | 100  | ppm               | 95-47-6    |                     |                      | GC-FID               | 2       | \$45                          | \$30                          | \$17        |               |
| o-Xylene                        | NIOSH 1501                   | 3M 3520 Badge         | mg         | ppm                | 0.005                | 106.16         | 27.3 | 3M Rate          | 100  | ppm               | 95-47-6    |                     |                      | GC-FID               | 2       | \$45                          | \$30                          | \$20        |               |
| o-Xylene                        | NIOSH 1501                   | SKC 226-01            | mg         | ppm                | 0.003                | 106.16         |      |                  | 100  | ppm               | 95-47-6    | 0.01-0.2            | 1-30                 | GC-FID               | 2       | \$45                          | \$30                          | \$1         |               |
| <b>Ozone</b>                    | OSHA ID 214                  | SKC 225-9014          | mg         | ppm                | 0.002                | 48             |      |                  | 0.08 | ppm               | 10028-15-6 | 0.25                | 90                   | IC                   |         | \$70                          |                               | \$12        |               |
| <b>Palladium (as Pd)</b>        | NIOSH 7303 M                 | MCE Filter            | µg         | mg/m <sup>3</sup>  | 20                   | 106.42         |      |                  |      |                   | 7440-08-3  | 1-4                 | 0.1-3300             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| <b>para-Formaldehyde</b>        | NIOSH 2016 M                 | SKC 226-119           | mg         | ppm                | 0.0002               | 30.03          |      |                  |      |                   | 30525-89-4 | 0.03-1.5            | 1-15                 | HPLC                 |         | \$85                          |                               | \$6         |               |
| <b>Paraquat</b>                 | NIOSH 5003                   | PTFE Filter           | mg         | ppm                | 0.003                | 257.18         |      |                  | 0.5  | mg/m <sup>3</sup> | 4685-14-7  | 1-4                 | 40-1000              | HPLC                 |         | \$85                          |                               | \$8         |               |
| Paraquat                        | SKC PROPRIETARY METHOD, M    | MCE Filter            | mg         | mg/m <sup>3</sup>  | 0.006                | 186.25         |      |                  | 0.5  | mg/m <sup>3</sup> | 1910-42-5  |                     |                      | HPLC                 |         | \$85                          | \$30                          | \$5         |               |
| <b>Particulates, respirable</b> | NIOSH 0600                   | Matched Weight MCE    | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 3    | mg/m <sup>3</sup> | N/A        | 1.7-2.2             | 20-400               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Particulates, respirable        | NIOSH 0600                   | Matched Weight PVC    | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 3    | mg/m <sup>3</sup> | N/A        | 1.7-2.2             | 20-400               | Gravimetric          | 4       | \$22                          |                               | \$8         |               |
| Particulates, respirable        | NIOSH 0600                   | Prewieghed MCE Filter | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  |      |                   | N/A        | 1.7-2.2             | 20-400               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Particulates, respirable        | NIOSH 0600                   | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 3    | mg/m <sup>3</sup> | N/A        | 1.7-2.2             | 20-400               | Gravimetric          | 4       | \$22                          |                               | \$8         |               |
| <b>Particulates, total</b>      | NIOSH 0500                   | Matched Weight MCE    | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 10   | mg/m <sup>3</sup> | N/A        | 1-2                 | 25-133               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Particulates, total             | NIOSH 0500                   | Matched Weight PVC    | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 10   | mg/m <sup>3</sup> | N/A        | 1-2                 | 25-133               | Gravimetric          | 4       | \$22                          |                               | \$8         |               |
| Particulates, total             | NIOSH 0500                   | Prewieghed PTFE       | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 10   | mg/m <sup>3</sup> | N/A        | 1-2                 | 25-133               | Gravimetric          |         | \$22                          |                               | \$8         |               |
| Particulates, total             | NIOSH 0500                   | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.01                 |                |      |                  | 10   | mg/m <sup>3</sup> | N/A        | 1-2                 | 25-133               | Gravimetric          | 4       | \$22                          |                               | \$8         |               |
| Particulates, total             | OSHA ID-125G M               | Prewieghed PVC Filter | µg         | µg/m <sup>3</sup>  | 0.01                 |                |      |                  | 10   | mg/m <sup>3</sup> | N/A        | 1-2                 | 25-133               | Gravimetric          | 4       | \$22                          |                               | \$8         |               |
| <b>Particulates, inhalable</b>  | MDHS 14                      | SKC IOM               | mg         | mg/m <sup>3</sup>  | 0.1                  |                |      |                  |      |                   | N/A        | 2                   |                      | Gravimetric          | 11      | \$26                          |                               | \$20        |               |
| <b>p-Benzoquinone</b>           | OSHA S181                    | SKC 226-30-04         | mg         | ppm                | 0.01                 | 108.1          |      |                  | 0.1  | ppm               | 106-51-4   | 0.1                 | 24                   | HPLC                 |         | \$100                         |                               | \$3.50      |               |
| <b>PCB (AROCOLOR 1242)</b>      | NIOSH 5503                   | SKC 225-16            | mg         | mg/m <sup>3</sup>  | 0.002                |                |      |                  |      | mg/m <sup>3</sup> | 53469-21-9 | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$8         |               |
| PCB (AROCOLOR 1242)             | NIOSH 5503                   | SKC 226-39            | mg         | mg/m <sup>3</sup>  | 0.002                |                |      |                  |      | mg/m <sup>3</sup> | 53469-21-9 | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$3         |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
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| Parameter                | Method                                  | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------|---|--------------------|------------|--------------------|----------------------|----------------|------|------------------|-----|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| PCB (AROCOLOR 1254)      | NIOSH 5503                              | SKC 225-16         | mg         | mg/m <sup>3</sup>  | 0.002                | 327            |      |                  | 0.5 | mg/m <sup>3</sup> | 11097-69-1  | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$8         |               |
| PCB (AROCOLOR 1254)      | NIOSH 5503                              | SKC 226-39         | mg         | mg/m <sup>3</sup>  | 0.002                | 327            |      |                  | 0.5 | mg/m <sup>3</sup> | 11097-69-1  | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$3         |               |
| PCB (AROCOLOR 1254)      | NIOSH 5517 M                            | Glass Fiber Filter | mg         | ppm                | 0.002                | 327            |      |                  | 0.5 | mg/m <sup>3</sup> | 11097-69-1  |                     |                      | GC/ECD               |         | \$80                          |                               | \$8         |               |
| PCB (AROCOLOR 1260)      | NIOSH 5503                              | SKC 226-39         | mg         | ppm                | 0.002                | 357.7          |      |                  |     |                   | 11096-82-5  | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$3         |               |
| PCB (AROCOLOR 1260)      | NIOSH 5503 M                            | Glass Fiber Filter | mg         | ppm                | 0.002                | 357.7          |      |                  |     |                   | 11096-82-5  | 0.05-0.2            | 1-50                 | GC/ECD               |         | \$80                          |                               | \$8         |               |
| p-Chlorobenzotrifluoride | NIOSH 1026                              | SKC 226-09         | mg         | ppm                | 0.005                | 180.56         |      |                  |     |                   | 98-56-6     | 0.01-0.2            | 0.1-10               | GC/FID               |         | \$75                          |                               | \$2         |               |
| p-Cresol                 | NIOSH 2546                              | SKC 226-95         | mg         | ppm                | 0.01                 | 108.14         |      |                  | 20  | mg/m <sup>3</sup> | 106-44-5    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| p-Dichlorobenzene        | Study                                   | Client Supplied    | µg/g       | %                  | 10                   | 147.01         |      |                  | 10  | ppm               | 106-46-7    |                     |                      | GC/FID               |         | \$45                          | \$30                          | Call        |               |
| p-Dodecylphenol          | OSHA 32                                 | SKC 226-95         | mg         | ppm                | 0.05                 | 262.48         |      |                  |     |                   | 210555-94-5 |                     |                      | GC/FID               |         | \$55                          |                               | \$3         |               |
| p-Dodecylphenol          | SI inhouse method                       | SKC 226-95         | mg         | ppm                | 0.05                 | 262.48         |      |                  |     |                   | 27459-10-5  |                     |                      | GC/FID               |         | \$375                         |                               | \$3         |               |
| Pentachlorophenol        | OSHA 39                                 | SKC 226-97         | mg         | mg/m <sup>3</sup>  | 0.001                | 266.35         |      |                  | 0.5 | mg/m <sup>3</sup> | 87-86-5     | 0.2                 | 48                   | HPLC                 |         | \$85                          |                               | \$15        |               |
| Pentane                  | NIOSH 1500                              | 3M 3520 Badge      | mg         | ppm                | 0.005                | 72.15          | 35.3 | 3M Rate          | 600 | ppm               | 109-66-0    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$20        |               |
| Perchloroethylene        | NIOSH 1003                              | 3M 3500 Badge      | mg         | ppm                | 0.02                 | 165.8          | 28.3 | 3M Rate          | 25  | ppm               | 127-18-4    |                     |                      | GC/FID               | 2.37    | \$45                          | \$30                          | \$17        |               |
| Perchloroethylene        | NIOSH 1003                              | 3M 3520 Badge      | mg         | ppm                | 0.02                 | 165.8          | 28.3 | 3M Rate          | 25  | ppm               | 127-18-4    |                     |                      | GC/FID               | 2.37    | \$45                          | \$30                          | \$20        |               |
| Perchloroethylene        | NIOSH 1003                              | SKC 226-01         | mg         | ppm                | 0.01                 | 165.8          |      |                  | 25  | ppm               | 127-18-4    | 0.01-0.2            | 3                    | GC/FID               | 2.37    | \$45                          | \$30                          | \$1         |               |
| Perchloroethylene        | NIOSH 1003                              | SKC 226-09         | mg         | ppm                | 0.02                 | 165.8          |      |                  | 25  | ppm               | 127-18-4    | 0.01-0.2            | 3                    | GC/FID               | 2.37    | \$45                          | \$30                          | \$2         |               |
| Perchloroethylene        | NIOSH 1003                              | SKC 575-002        | mg         | ppm                | 0.02                 | 165.8          | 13.1 | SKC 575-002 Rate | 25  | ppm               | 127-18-4    |                     |                      | GC/FID               | 2.37    | \$55                          |                               | \$19        |               |
| Perchloroethylene        | OSHA 1001                               | SKC 226-01         | mg         | ppm                | 0.004                | 165.8          |      |                  | 25  | ppm               | 127-18-4    | 0.05                | 12                   | GC/FID               | 2.37    | \$45                          | \$30                          | \$1         |               |
| Petroleum distillates    | NIOSH 1550                              | 3M 3500 Badge      | mg         | ppm                | 0.04                 | 140            | 33.2 | 3M Rate          |     | ppm               | 8002-05-9   |                     |                      | GC/FID               | 20      | \$55                          | \$30                          | \$17        | A             |
| Petroleum distillates    | NIOSH 1550                              | 3M 3520 Badge      | mg         | ppm                | 0.04                 | 140            | 33.2 | 3M Rate          |     | ppm               | N/A         |                     |                      | GC/FID               | 20      | \$55                          | \$30                          | \$20        |               |
| Petroleum distillates    | NIOSH 1550                              | SKC 226-01         | mg         | ppm                | 0.02                 | 140            |      |                  |     | ppm               | N/A         | 0.01-0.2            | 13-20                | GC/FID               | 20      | \$55                          | \$30                          | \$1         |               |
| Petroleum distillates    | OSHA 48                                 | SKC 226-01         | mg         | ppm                | 0.02                 | 140            |      |                  |     | ppm               | N/A         | 0.2                 | 3                    | GC/FID               | 20      | \$55                          | \$30                          | \$1         |               |
| Petroleum Ether          | NIOSH 1550                              | 3M 3500 Badge      | mg         | ppm                | 0.04                 | 142.28         | 33.2 | 3M Rate          |     |                   | 8032-32-4   |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        |               |
| Petroleum Ether          | NIOSH 1550                              | SKC 226-01         | mg         | ppm                | 0.02                 | 142.28         |      |                  |     |                   | 8032-32-4   | 0.01-0.2            | 1.3-20               | GC/FID               | 2       | \$50                          | \$30                          | \$1         |               |
| Petroleum Naphtha        | NIOSH 1550<br>EPA SW846<br>METHOD 9040C | SKC 226-01         | mg         | ppm                | 0.02                 | 142.28         |      |                  |     | ppm               | 64742-94-5  | 0.01-0.2            | 1.3-20               | GC/FID               |         | \$50                          | \$30                          | \$1         |               |
| pH                       | N/A                                     | Client Supplied    |            |                    |                      |                |      |                  |     |                   | N/A         |                     |                      |                      |         | \$25                          |                               | Call        |               |
| pH                       | N/A                                     | Client Supplied    |            |                    |                      |                |      |                  |     |                   | N/A         |                     |                      |                      |         | \$25                          |                               | Call        |               |
| pH                       | N/A                                     | Wipe               |            |                    |                      |                |      |                  |     |                   |             |                     |                      |                      |         | \$25                          |                               | Call        |               |
| Phenanthrene             | NIOSH 5515                              | PTFE Filter        | mg         | ppm                | 0.01                 | 178.23         |      |                  |     | ppm               | 85-01-8     | 2                   | 200-1000             | GC/FID               | 1.2     | \$85                          | \$45                          | \$8         |               |
| Phenanthrene             | NIOSH 5515                              | SKC 226-30-04      | mg         | ppm                | 0.005                | 178.23         |      |                  |     | ppm               | 85-01-8     | 2                   | 200-1000             | GC/FID               | 1.2     | \$85                          | \$45                          | \$3.50      |               |
| Phenanthrene             | OSHA 58                                 | SKC 225-7          | mg         | ppm                | 0.02                 | 178.23         |      |                  |     | ppm               | 85-01-8     | 2                   | 960                  | HPLC                 | 1.2     | \$85                          | \$45                          | \$8         |               |
| Phenanthrene             | OSHA 58 M                               | SKC 226-30-04      | mg         | ppm                | 0.005                | 178.23         |      |                  |     | ppm               | 85-01-8     | 2                   | 960                  | GC/FID               | 1.2     | \$85                          | \$45                          | \$3.50      |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.



HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter          | Method                       | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------|------------------------------|-----------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Phenol             | NIOSH 2546                   | SKC 226-95      | mg         | ppm                | 0.02                 | 94.11          |      |                  | 5    | ppm               | 108-95-2   | 0.01-0.1            | 1-24                 | GC/FID               | 4       | \$85                          | \$45                          | \$3         |               |
| Phenol             | OSHA 32                      | SKC 226-95      | mg         | ppm                | 0.001                | 94.11          |      |                  | 5    | ppm               | 108-95-2   | 0.1                 | 32                   | HPLC                 | 4       | \$85                          | \$42                          | \$3         |               |
| Phenyl Ether       | OSHA PV 2022 M               | 3M 3520 Badge   | mg         | ppm                | 0.005                | 170.2          | 20.3 | 3M Rate          | 1    | ppm               | 101-84-8   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Phenyl Ether       | OSHA PV 2022 M               | SKC 226-01      | mg         | ppm                | 0.003                | 170.2          |      |                  | 1    | ppm               | 101-84-8   | 0.2                 | 20                   | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| Phosphoric acid    | NIOSH 7908                   | PTFE Filter     | mg         | mg/m <sup>3</sup>  | 0.006                | 98             |      |                  | 1    | mg/m <sup>3</sup> | 7664-38-2  | 1.5                 | 15-2000              | IC                   |         | \$82                          |                               | \$8         |               |
| Phosphoric acid    | NIOSH 7908                   | SKC 225-16      | mg         | mg/m <sup>3</sup>  | 0.006                | 98             |      |                  | 1    | mg/m <sup>3</sup> | 7664-38-2  | 1.5                 | 15-2000              | IC                   |         | \$82                          | \$30                          | \$8         |               |
| Phosphoric acid    | OSHA ID 111 PV               | MCE Filter      | mg         | mg/m <sup>3</sup>  | Call                 | 98             |      |                  | 1    | mg/m <sup>3</sup> | 7664-38-2  |                     |                      | IC                   |         | \$82                          | \$30                          | \$5         |               |
| Phosphoric acid    | OSHA ID 165 SG               | SKC 226-10-03   | mg         | mg/m <sup>3</sup>  | 0.006                | 98             |      |                  | 1    | mg/m <sup>3</sup> | 7664-38-2  | 0.2                 | 96                   | IC                   | 4       | \$82                          | \$30                          | \$3.50      |               |
| Phosphorus (as P)  | 40 CFR PART 261, APPENDIX II | Client Supplied | mg/L       |                    | 1                    | 30.97          |      |                  | 0.02 | ppm               | 7728-14-0  |                     |                      |                      |         | \$31                          | \$20                          | Call        |               |
| Phosphorus (as P)  | NIOSH 7303 M                 | Client Supplied | µg/g       | %                  | 100                  | 30.97          |      |                  | 0.02 | ppm               | 7728-14-0  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Phosphorus (as P)  | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 20                   | 30.97          |      |                  | 0.02 | ppm               | 7728-14-0  | 1-4                 | 25-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Phosphorus (as P)  | NIOSH 7303 M                 | PVC Filter      | µg         | mg/m <sup>3</sup>  | 20                   | 30.97          |      |                  | 0.02 | ppm               | 7728-14-0  | 1-4                 | 25-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Phosphorus (as P)  | NIOSH 7303 M                 | Wipe            | µg/wipe    |                    | 30                   | 30.97          |      |                  | 0.02 | ppm               | 7728-14-0  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Phthalic Anhydride | OSHA 90                      | SKC 225-9021    | mg         | ppm                | 0.005                | 148.12         |      |                  | 1    | ppm               | 85-44-9    | 1                   | 75                   | HPLC                 |         | \$85                          | \$45                          | \$22        |               |
| Picric Acid        | NIOSH S228                   | MCE Filter      | mg         | ppm                | 0.009                | 229.11         |      |                  | 0.1  | mg/m <sup>3</sup> | 88-89-1    | 1.5                 | 180                  | HPLC                 |         | \$85                          |                               | \$5         |               |
| Piperazine         | OSHA CSI                     | SKC 226-30-18   | mg         | ppm                | 0.0005               | 86.136         |      |                  |      |                   | 110-85-0   |                     |                      | HPLC                 |         | \$125                         |                               | \$5         |               |
| Platinum (as Pt)   | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 5                    | 195.08         |      |                  | 1    | mg/m <sup>3</sup> | 7440-06-4  | 1-4                 | 1250-2000            | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| PNAs by GC-FID     | NIOSH 5515                   | PTFE Filter     | mg         | ppm                | Call                 |                |      |                  |      | N/A               | N/A        | 2                   | 200-1000             | GC/FID               | 1,2     | \$375                         |                               | \$8         |               |
| PNAs by GC-FID     | NIOSH 5515                   | SKC 226-30-04   | mg         | ppm                | Call                 |                |      |                  |      | ppm               | N/A        | 2                   | 200-1000             | GC/FID               | 1,2     | \$375                         |                               | \$3.50      |               |
| PNAs by OSHA 58    | OSHA 58                      | SKC 225-7       | mg         | ppm                | Call                 |                |      |                  |      |                   | N/A        | 2                   | 960                  | HPLC                 | 1,2     | \$175                         |                               | \$8         |               |
| p-Nonylphenol      | OSHA Method 32               | SKC 226-95      | mg         | ppm                | 0.002                | 220.35         |      |                  |      |                   | 84852-15-3 |                     |                      | HPLC                 |         | \$55                          |                               | \$3         |               |
| Point count        | EPA /600/R/M4-82-020         | Bulk Material   | %          |                    |                      |                |      |                  |      |                   | N/A        | N/A                 | N/A                  | Microscopy           |         | \$50                          |                               |             |               |
| Potassium (as K)   | 40 CFR PART 261, APPENDIX II | Client Supplied | mg/L       |                    | 1                    |                |      |                  |      |                   | 1440-09-7  |                     |                      | ICP                  |         | \$125                         |                               | Call        |               |
| Potassium (as K)   | NIOSH 7303 M                 | Client Supplied | µg/g       | %                  | 100                  |                |      |                  |      | mg/m <sup>3</sup> | 7440-09-7  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Potassium (as K)   | NIOSH 7303 M                 | MCE Filter      | µg         | mg/m <sup>3</sup>  | 20                   |                |      |                  |      |                   | 1440-09-7  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Potassium (as K)   | NIOSH 7303 M                 | PVC Filter      | µg         | mg/m <sup>3</sup>  | 20                   |                |      |                  |      |                   | 1440-09-7  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Potassium (as K)   | NIOSH 7303 M                 | PTFE Filter     | µg         | mg/m <sup>3</sup>  | 20                   |                |      |                  |      |                   |            | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Propargyl alcohol  | OSHA Method 97               | SKC 226-178     | mg         | ppm                | 0.0002               | 56.06          |      |                  | 1    | ppm               | 107-19-7   | 0.05                | 6                    | GC/ECD               |         | \$50                          |                               | \$5         |               |
| Propiconazole      | Syngenta GRM1050.05A (M)     | SKC 226-30-16   | mg         | mg/m <sup>3</sup>  | 0.02                 | 342.2          |      |                  |      |                   | 60207-90-1 |                     |                      | HPLC                 |         | \$85                          |                               | \$17        |               |
| Propiconazole      | Syngenta GRM1050.05A (M)     | SKC 226-56      | mg         | mg/m <sup>3</sup>  | 0.02                 | 342.2          |      |                  |      |                   | 60207-90-1 |                     |                      | HPLC                 |         | \$85                          |                               | \$26        |               |
| Propionaldehyde    | OSHA 1007                    | SKC 500-100     | mg         | ppm                | 0.0003               | 58.09          | 13.4 | SKC 500-100 Rate | 20   | ppm               | 123-38-6   |                     |                      | HPLC                 |         | \$85                          |                               | \$19        |               |
| Propionic Acid     | OSHA CSI                     | SKC 226-10-03   | mg         | ppm                | 0.01                 | 74.08          |      |                  | 10   | ppm               | 79-09-4    | 0.1                 | 10                   | IC                   | 4       | \$75                          |                               | \$3.50      |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter  | Method          | Media                    | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--|-----------------|--------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Propionic Acid                                   | OSHA CSI        | SKC 226-15               | mg         |                    | 0.01                 | 74.08          |      |                  | 10   | ppm               | 79-09-4    | 0.1                 | 10                   | IC                   |         | \$75                          |                               | \$3         |               |
| <b>Propylene glycol</b>                          | NIOSH 5523      | SKC 226-57               | mg         | ppm                | 0.2                  | 76.1           |      |                  |      |                   | 57-55-6    | 0.5-2.0             | 5-60                 | GC/FID               |         | \$55                          | \$30                          | \$21        |               |
| <b>Propylene glycol monomethyl ether</b>         | OSHA 99         | SKC 226-01               | mg         | ppm                | 0.003                | 90.12          |      |                  | 100  | ppm               | 107-98-2   | 0.1                 | 10                   | GC/FID               | 37      | \$55                          | \$30                          | \$1         |               |
| Propylene glycol monomethyl ether                | OSHA Method 99  | 3M 3500 Badge            | mg         | ppm                | 0.005                | 90.12          | 32.4 | 3M Rate          | 100  | ppm               | 107-98-2   |                     |                      | GC/FID               | 37      | \$55                          | \$30                          | \$17        |               |
| Propylene glycol monomethyl ether                | OSHA Method 99  | 3M 3520 Badge            | mg         | ppm                | 0.005                | 90.12          | 32.4 | 3M Rate          | 100  | ppm               | 107-98-2   |                     |                      | GC/FID               | 37      | \$55                          | \$30                          | \$20        |               |
| <b>Propylene glycol monomethyl ether acetate</b> | OSHA CSI        | 3M 3500 Badge            | mg         | ppm                | 0.005                | 132.16         | 25.2 | 3M Rate          |      |                   | 108-65-6   |                     |                      | GC/FID               |         | \$55                          | \$30                          | \$17        | <b>D</b>      |
| <b>Propylene oxide</b>                           | NIOSH 1612      | 3M 3500 Badge            | mg         | ppm                | 0.005                | 58.08          | 37.7 | 3M Rate          | 2    | ppm               | 75-56-9    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        | <b>A</b>      |
| Propylene oxide                                  | NIOSH 1612      | 3M 3520 Badge            | mg         | ppm                | 0.005                | 58.08          | 37.7 | 3M Rate          | 2    | ppm               | 75-56-9    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$20        |               |
| Propylene oxide                                  | NIOSH 1612      | SKC 226-01               | mg         | ppm                | 0.003                | 58.08          |      |                  | 2    | ppm               | 75-56-9    | 0.01-0.2            | 0.5-5                | GC/FID               | 2       | \$50                          | \$30                          | \$1         |               |
| Propylene oxide                                  | NIOSH 1612      | SKC 226-09               | mg         | ppm                | 0.005                | 58.08          |      |                  | 2    | ppm               | 75-56-9    | 0.01-0.2            | 0.5-5                | GC/FID               | 2       | \$50                          | \$30                          | \$2         |               |
| Propylene oxide                                  | NIOSH 1612      | SKC 575-001              | mg         | ppm                | 0.02                 | 58.08          | 19.9 | SKC 575-001 Rate | 2    | ppm               | 75-56-9    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        |               |
| Propylene oxide                                  | NIOSH 1612      | SKC 575-002              | mg         | ppm                | 0.02                 | 58.08          | 19.9 | SKC 575-002 Rate | 2    | ppm               | 75-56-9    |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$19        |               |
| Propylene oxide                                  | OSHA 88         | SKC 226-81A              | mg         | ppm                | 0.003                | 58.08          |      |                  | 2    | ppm               | 75-56-9    | 0.1                 | 5                    | GC/FID               | 2       | \$50                          | \$30                          | \$3         |               |
| <b>Propyleneimine</b>                            | NIOSH P&CAM 300 | Impinger                 | mg         | ppm                | 0.004                | 57.09          |      |                  | 2    | ppm               | 75-55-8    | 0.2                 | 48                   | HPLC                 | 4       | \$95                          |                               | Call        |               |
| Propyleneimine                                   | OSHA 60 M       | SKC 226-30-18            | mg         | ppm                |                      | 57.09          |      |                  | 2    | ppm               | 75-55-8    | 0.1                 | 10                   | HPLC                 |         | \$95                          |                               | \$5         |               |
| <b>p-tert-Amylphenol</b>                         | NIOSH 2546 M    | SKC 226-95               | mg         | ppm                | 0.02                 | 164.27         |      |                  |      |                   | 80-46-6    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$95                          |                               | \$3         |               |
| <b>p-tert-Butylphenol</b>                        | NIOSH 2546 M    | SKC 226-95               | mg         | ppm                | 0.02                 | 150.24         |      |                  | 5    | ppm               | 98-54-4    | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>p-tert-Octylphenol</b>                        | NIOSH 2546 M    | SKC 226-95               | mg         | ppm                | 0.02                 | 206.36         |      |                  |      |                   | 140-66-9   | 0.01-0.1            | 1-24                 | GC/FID               |         | \$85                          |                               | \$3         |               |
| <b>Pyrene</b>                                    | NIOSH 5515      | PTFE Filter              | mg         | ppm                | 0.01                 | 202.26         |      |                  |      | ppm               | 129-00-0   | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$8         |               |
| Pyrene   | NIOSH 5515      | PTFE Filter + XAD-2 Tube | mg         | ppm                | 0.01                 | 202.26         |      |                  |      | ppm               | 129-00-0   | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | Call        |               |
| Pyrene   | NIOSH 5515      | SKC 226-30-04            | mg         | ppm                | 0.005                | 202.26         |      |                  |      | ppm               | 129-00-0   | 2                   | 200-1000             | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      |               |
| Pyrene   | OSHA 58         | SKC 225-7                | mg         | ppm                | 0.005                | 202.26         |      |                  |      | ppm               | 129-00-0   | 2                   | 960                  | HPLC                 | 1,2     | \$85                          | \$45                          | \$8         |               |
| Pyrene   | OSHA 58 M       | SKC 226-30-04            | mg         | ppm                | 0.005                | 202.26         |      |                  |      | ppm               | 129-00-0   | 2                   | 960                  | GC/FID               | 1,2     | \$85                          | \$45                          | \$3.50      |               |
| <b>Pyridine</b>                                  | NIOSH 1613 M    | 3M 3500 Badge            | mg         | ppm                | 0.005                | 79.1           | 34.9 | 3M Rate          | 1    | ppm               | 110-86-1   |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$17        |               |
| Pyridine   | NIOSH 1613 M    | 3M 3520 Badge            | mg         | ppm                | 0.005                | 79.1           | 34.9 | 3M Rate          | 1    | ppm               | 110-86-1   |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$20        |               |
| <b>Quartz</b>                                    | NIOSH 7500      | Bulk Material            | µg/g       | %                  | 5000                 | 60.1           |      |                  |      | N/A               | 14808-60-7 | N/A                 |                      | XRD                  |         | \$160                         |                               |             |               |
| Quartz   | NIOSH 7500      | MCE Filter               | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 0.05 | mg/m <sup>3</sup> | 14808-60-7 | 1.7-2.2             | 400-1000             | XRD                  |         | \$86                          |                               | \$5         |               |
| Quartz   | NIOSH 7500      | Prewieghed PVC Filter    | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 0.05 | mg/m <sup>3</sup> | 14808-60-7 | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$8         |               |
| Quartz   | NIOSH 7500      | PVC Filter               | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 0.05 | mg/m <sup>3</sup> | 14808-60-7 | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$5         |               |
| Quartz   | NIOSH 7500      | SKC IOM                  | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  |      |                   |            |                     |                      | XRD                  |         | \$86                          |                               | \$20        |               |
| Quartz   | NIOSH 7500      | Wipe                     | µg/wipe    |                    | 0.005-0.01           | 60.1           |      |                  |      |                   | 14808-60-7 | N/A                 | N/A                  | XRD                  |         | \$86                          |                               | \$0.50      |               |
| Quartz   | OSHA ID 142     | Prewieghed PVC Filter    | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 0.05 | mg/m <sup>3</sup> | 14808-60-7 | 1.7                 | 816                  | XRD                  | 4       | \$86                          |                               | \$8         |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                  | Method                              | Media                 | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV    | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------------|-------------------------------------|-----------------------|------------|--------------------|----------------------|----------------|------|------------------|--------|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Rhodium (as Rh)            | NIOSH 7303 M                        | Client Supplied       | µg         | mg/m <sup>3</sup>  | 10                   | 102.91         |      |                  |        |                   | 7440-16-6   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Rhodium (as Rh)            | NIOSH 7303 M                        | MCE Filter            | µg         | mg/m <sup>3</sup>  | 10                   | 102.91         |      |                  |        | mg/m <sup>3</sup> | 7440-16-6   | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Rhodium (as Rh)            | NIOSH 7303 M                        | Prewieghed PVC Filter | µg         | mg/m <sup>3</sup>  | 10                   | 102.91         |      |                  |        |                   | 7440-16-6   | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Rhodium (as Rh)            | NIOSH 7303 M                        | Wipe                  | µg/wipe    |                    | 10                   | 102.91         |      |                  |        | mg/m <sup>3</sup> | 7440-16-6   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Ribavirin                  | NIOSH 5027                          | Glass Fiber Filter    | mg         | ppm                | 0.005                | 244.21         |      |                  | 0.0005 | ppm               | 36791-04-5  | 1-4                 | 5-1000               | HPLC                 |         | \$85                          |                               | \$8         |               |
| Ruthenium (as Ru)          | NIOSH 7303 M                        | MCE Filter            | µg         | mg/m <sup>3</sup>  | 0.01                 | 101.07         |      |                  |        | mg/m <sup>3</sup> | 7440-18-8   | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Ruthenium (as Ru)          | NIOSH 7303 M                        | Wipe                  | µg/wipe    |                    | 0.02                 | 101.07         |      |                  |        | mg/m <sup>3</sup> | 7440-18-8   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| s-Butyl alcohol            | OSHA 5001                           | SKC 226-09            | mg         | ppm                | 0.005                | 74.12          |      |                  | 100    | ppm               | 78-92-2     |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$2         |               |
| Sedaxane                   | Syngenta In-House Method RAM 367/01 | PVC Filter            | mg         | ppm                | 0.002                | 331.36         |      |                  |        |                   | 874967-67-6 |                     |                      | HPLC                 | 2       | \$125                         |                               | \$5         |               |
| Sedaxane                   | Method SYN524464 (M)                | Glass Fiber Filter    | mg         | mg/m <sup>3</sup>  | 0.002                | 331.36         |      |                  |        |                   | 874967-67-6 |                     |                      | HPLC                 | 2       | \$125                         |                               | \$8         |               |
| Selenium (as Se)           | EPA 1620                            | Soil                  | ppm        | %                  | 300                  | 78.96          |      |                  |        | N/A               | 7782-49-2   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          |             |               |
| Selenium (as Se)           | HUD                                 | Bulk Material         | µg/g       | %                  | 300                  | 78.96          |      |                  |        | N/A               | 7782-49-2   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Selenium (as Se)           | NIOSH 7303 M                        | Prewieghed PVC Filter | µg         | mg/m <sup>3</sup>  | 10                   | 78.96          |      |                  |        | N/A               | 7782-49-2   | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Selenium (as Se)           | NIOSH 7303 M                        | Client Supplied       | µg/g       | %                  | 300                  | 78.96          |      |                  |        | N/A               | 7782-49-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Selenium (as Se)           | NIOSH 7303 M                        | MCE Filter            | µg         | mg/m <sup>3</sup>  | 10                   | 78.96          |      |                  | 0.2    | mg/m <sup>3</sup> | 7782-49-2   | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Selenium (as Se)           | NIOSH 7303 M                        | Prewieghed PVC Filter | µg         | mg/m <sup>3</sup>  | 10                   | 78.96          |      |                  | 0.2    | mg/m <sup>3</sup> | 7782-49-2   | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Selenium (as Se)           | NIOSH 7303 M                        | Wipe                  | µg/wipe    |                    | 10                   | 78.96          |      |                  | 0.2    | mg/m <sup>3</sup> | 7782-49-2   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Selenium (as Se)           | NIOSH 7303 M                        | MCE Filter            | µg         | mg/m <sup>3</sup>  | 10                   | 78.96          |      |                  | 0.2    | mg/m <sup>3</sup> | 7782-49-2   | 1-4                 | 8-250,000            | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Sevoflurane                | HHH In-House method                 | SKC 226-01            | mg         | ppm                | 0.005                | 200.1          |      |                  |        |                   |             |                     |                      |                      | 2       | \$55                          |                               | \$1         |               |
| Sevoflurane                | HHH In-House method                 | SKC 226-81A           | mg         | ppm                | 0.003                | 200.1          |      |                  |        |                   | 28523-86-6  |                     |                      |                      | 2       | \$55                          |                               | \$3         |               |
| Sevoflurane                | HHH In-House method                 | SKC 575-002           | mg         | ppm                | 0.005                | 200.1          | 13.1 | SKC 575-002 Rate |        |                   | 28523-86-6  |                     |                      | GC/FID               | 2       | \$55                          |                               | \$19        |               |
| SILICA                     | OSHA ID 142 V4                      | PVC Filter            | mg         | µg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  |        |                   |             | 1.7                 | 816                  | XRD                  | 4       | \$180                         |                               | \$5         |               |
| Silica, crystalline by XRD | OSHA ID 142                         | Prewieghed PVC Filter | mg         | µg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  |        |                   |             | 1.7                 | 816                  | XRD                  | 4       | \$180                         |                               | \$8         |               |
| Silica, crystalline by XRD | NIOSH 7500                          | Bulk Material         | µg/g       | %                  | 500                  | 60.1           |      |                  |        | N/A               | N/A         | N/A                 |                      | XRD                  |         | \$180                         |                               |             |               |
| Silica, crystalline by XRD | NIOSH 7500                          | MCE Filter            | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 50     | µg/m <sup>3</sup> | N/A         | 1.7-2.2             | 400-1000             | XRD                  |         | \$105                         |                               | \$5         |               |
| Silica, crystalline by XRD | NIOSH 7500                          | Prewieghed PVC Filter | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 50     | µg/m <sup>3</sup> | N/A         | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$8         |               |
| Silica, crystalline by XRD | NIOSH 7500                          | PVC Filter            | mg         | mg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 50     | µg/m <sup>3</sup> | N/A         | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$5         |               |
| Silica, crystalline by XRD | NIOSH 7500                          | MCE Filter            | mg         | µg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 50     | µg/m <sup>3</sup> |             |                     |                      | XRD                  |         | \$105                         |                               | \$5         |               |
| Silica, crystalline by XRD | NIOSH 7500                          | Prewieghed PVC Filter | mg         | µg/m <sup>3</sup>  | 0.005-0.01           | 60.1           |      |                  | 50     | µg/m <sup>3</sup> |             | 1.7-2.2             | 400-1000             | XRD                  |         | \$86                          |                               | \$8         |               |
| Silicon (as Si)            | NIOSH 7303 M                        | Bulk Material         | µg/g       | %                  | 500                  | 28.08          |      |                  | 10     | mg/m <sup>3</sup> | 7440-21-3   |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Silicon (as Si)            | NIOSH 7303 M                        | MCE Filter            | µg         | mg/m <sup>3</sup>  | 20                   | 28.08          |      |                  | 10     | mg/m <sup>3</sup> | 7440-21-3   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Silicon (as Si)            | NIOSH 7303 M                        | Prewieghed PVC Filter | mg         | ppm                | 20                   | 28.08          |      |                  | 10     | mg/m <sup>3</sup> | 7440-21-3   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |

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HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                     | Method  | Media                          | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------------------|---|--------------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Silicon (as Si)               | NIOSH 7303 M                                      | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 20                   | 28.08          |      |                  | 10   | mg/m <sup>3</sup> | 7440-21-3  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Silver (as Ag)                | EPA 1620  | Soil                           | µg/g       | ppm                | 10                   | 107.87         |      |                  |      | N/A               | 7440-22-4  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          |             | M             |
| Silver (as Ag)                | HUD   | Bulk Material                  | µg/g       | %                  | 10                   | 107.87         |      |                  |      | N/A               | 7440-22-4  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | Bulk Material                  | µg/g       | %                  | 0                    | 107.87         |      |                  |      | N/A               |            |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | Client Supplied Matched Weight | µg/g       |                    | Call                 | 107.87         |      |                  |      | N/A               | 7440-22-4  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | MCE                            | µg         | mg/m <sup>3</sup>  | 0.4                  | 107.87         |      |                  |      | N/A               | 7440-22-4  | 1-4                 | 250-2000             | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 0.4                  | 107.87         |      |                  | 0.01 | mg/m <sup>3</sup> | 7440-22-4  | 1-4                 | 250-2000             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 0.4                  | 107.87         |      |                  |      | N/A               | 7440-22-4  | 1-4                 | 250-2000             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Silver (as Ag)                | NIOSH 7303 M                                      | Wipe                           | µg/wipe    |                    | 0.4                  | 107.87         |      |                  |      | N/A               | 7440-22-4  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Sodium (as Na)                | NIOSH 7303 M                                      | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 30                   | 22.99          |      |                  |      | mg/m <sup>3</sup> | 7440-23-5  | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Sodium (as Na)                | NIOSH 7303 M                                      | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 30                   | 22.99          |      |                  |      |                   | 7440-23-5  | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Sodium (as Na)                | NIOSH 7303 M                                      | Wipe                           | µg/wipe    |                    | 20                   | 22.99          |      |                  |      |                   | 7440-23-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Sodium (as Na)                | NIOSH 7303 M                                      | PTFE Filter                    | µg         | mg/m <sup>3</sup>  | 30                   | 22.99          |      |                  |      |                   | 7440-23-5  | 1-4                 | 13-2000              | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Sodium (as Na)                | NIOSH 7303 M                                      | Client Supplied                | µg/g       | %                  | 500                  | 22.99          |      |                  |      |                   | 7440-23-5  |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Sodium Azide                  | OSHA ID 211                                       | SKC 226-55                     | mg         | mg/m <sup>3</sup>  | 0.0003               | 43.03          |      |                  | 0.29 | mg/m <sup>3</sup> | 26628-22-8 | 1                   | 10                   | IC                   |         | \$120                         |                               | \$4.50      |               |
| Sodium fluoride               | NIOSH 7906  | SKC 225-9001                   | mg         | ppm                | 0.005                | 41.99          |      |                  |      | ppm               | 7681-49-4  | 1-2                 | 1-800                | IC                   | 11      | \$82                          |                               | \$13        |               |
| Stoddard solvent              | NIOSH 1550  | 3M 3500 Badge                  | mg         | ppm                | 0.04                 | 140            | 24.3 | 3M Rate          | 100  | ppm               | 8052-41-3  |                     |                      | GC/FID               | 45      | \$55                          | \$30                          | \$17        | A             |
| Stoddard solvent              | NIOSH 1550  | 3M 3520 Badge                  | mg         | ppm                | 0.04                 | 140            | 24.3 | 3M Rate          | 100  | ppm               | 8052-41-3  |                     |                      | GC/FID               | 45      | \$55                          | \$30                          | \$20        |               |
| Stoddard solvent              | NIOSH 1550  | SKC 226-01                     | mg         | ppm                | 0.04                 | 140            |      |                  | 100  | ppm               | 8052-41-3  | 0.01-0.2            | 1.3-20               | GC/FID               | 45      | \$55                          | \$30                          | \$1         |               |
| Stoddard solvent              | NIOSH 1550  | SKC 226-09                     | mg         | ppm                | 0.04                 | 140            |      |                  | 100  | ppm               | 8052-41-3  | 0.01-0.2            | 1.3-20               | GC/FID               | 45      | \$55                          | \$30                          | \$2         |               |
| Strontium (Sr)                | NIOSH 7303 M                                      | Matched Weight MCE             | µg         | mg/m <sup>3</sup>  | 20                   | 87.62          |      |                  |      |                   | 7440-24-6  | 1-4                 | 10-1000              | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Styrene                       | OSHA 89   | SKC 226-73                     | mg         | ppm                | 0.07                 | 104.15         |      |                  | 20   | ppm               | 100-42-5   | 0.05                | 12                   | GC/FID               | 2       | \$50                          | \$30                          | \$3         |               |
| Styrene                       | OSHA 9  | SKC 226-01                     | mg         | ppm                | 0.07                 | 104.15         |      |                  | 20   | ppm               | 100-42-5   | 0.2                 | 10                   | GC/FID               | 2       | \$50                          | \$30                          | \$1         |               |
| Styrene                       | OSHA 9  | 3M 3500 Badge                  | mg         | ppm                | 0.08                 | 104.15         | 28.9 | 3M Rate          | 20   | ppm               | 100-42-5   |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$17        |               |
| Styrene                       | OSHA 9  | 3M 3520 Badge                  | mg         | ppm                | 0.08                 | 104.15         | 28.9 | 3M Rate          | 20   | ppm               | 100-42-5   |                     |                      | GC/FID               | 2       | \$50                          | \$30                          | \$20        |               |
| Styrene                       | OSHA 9  | SKC 226-09                     | mg         | ppm                | 0.08                 | 104.15         |      |                  | 20   | ppm               | 100-42-5   | 0.2                 | 10                   | GC/FID               | 2       | \$50                          | \$30                          | \$2         |               |
| Sulfate (as SO <sub>4</sub> ) | NIOSH 6004  | PTFE Filter                    | mg         | ppm                | 0.004                | 96             |      |                  |      |                   |            |                     |                      | IC                   |         | \$65                          |                               | \$8         |               |
| Sulfate (as SO <sub>4</sub> ) | OSHA ID 165 SG<br>40 CFR PART 261,<br>APPENDIX II | SKC 226-10-03                  | mg         | ppm                | 0.006                | 96             |      |                  |      |                   |            |                     |                      | IC                   | 4       | \$65                          |                               | \$3.50      |               |
| Sulfur (as S)                 |   | Client Supplied                | mg/L       |                    | 0.5                  | 32.06          |      |                  |      | mg/m <sup>3</sup> |            |                     |                      | ICP                  |         | \$65                          |                               | Call        |               |
| Sulfur (as S)                 | NIOSH 7303 M                                      | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 32.06          |      |                  |      |                   | 7704-34-9  | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Sulfur dioxide                | NIOSH 6004  | SKC 225-9005                   | mg         | ppm                | 0.003                | 64.06          |      |                  | 0.25 | ppm               | 7446-09-5  | 0.5-1.5             | 4-200                | IC                   | 25      | \$70                          | \$30                          | \$15        |               |
| Sulfur dioxide                | NIOSH 6004 M                                      | SKC 500-200                    | mg         | ppm                | 0.001                | 64.06          | 15.1 | SKC 500-200 Rate | 0.25 | ppm               | 7446-09-5  |                     |                      | IC                   |         | \$70                          | \$30                          | \$19        |               |

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HHH LABORATORY, INC.  
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| Parameter                      | Method                       | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------------|------------------------------|--------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Sulfur dioxide                 | OSHA ID 200                  | SKC 226-80         | mg         | ppm                | 0.007                | 64.06          |      |                  | 0.25 | ppm               | 7446-09-5   | 0.1                 | 12                   | IC                   | 25      | \$70                          | \$30                          | \$3         |               |
| <b>Sulfuric acid</b>           | NIOSH 7908                   | SKC 225-9033       | mg         | mg/m <sup>3</sup>  | 0.006                | 98.08          |      |                  | 0.2  | mg/m <sup>3</sup> | 7664-93-9   | 1-5                 | 15-2000              | IC                   |         | \$82                          |                               | \$19        |               |
| Sulfuric acid                  | OSHA ID 113                  | MCE Filter         | mg         | mg/m <sup>3</sup>  | 0.006                | 98.08          |      |                  | 0.2  | mg/m <sup>3</sup> | 7664-93-9   | 2                   | 480                  | IC                   |         | \$82                          | \$30                          | \$5         |               |
| Sulfuric acid                  | OSHA ID 165 SG               | SKC 226-10-03      | mg         | mg/m <sup>3</sup>  | 0.006                | 98.08          |      |                  | 0.2  | mg/m <sup>3</sup> | 7664-93-9   | 0.2                 | 96                   | IC                   | 4       | \$82                          | \$30                          | \$3.50      |               |
| <b>t-Amyl Alcohol</b>          | NIOSH 1402 M                 | SKC 226-01         | mg         | ppm                | 0.003                | 88.15          |      |                  |      |                   | 75-85-4     | 0.01-0.2            | 1-10                 | GC/FID               |         | \$55                          |                               | \$1         |               |
| <b>t-Amyl Hydroperoxide</b>    | HHH In-House method          | SKC 226-15         | mg         | ppm                | 0.005                | 104.15         |      |                  |      | ppm               | 3425-61-4   |                     |                      | GC/FID               |         | \$70                          |                               | \$3         |               |
| <b>Tannic acid</b>             | OSHA CSI                     | Glass Fiber Filter | mg         | ppm                | 0.02                 | 1701.23        |      |                  |      | ppm               | 1401-55-4   |                     |                      | HPLC                 |         | \$115                         |                               | \$8         |               |
| <b>t-Butyl acetate</b>         | OSHA 1009                    | 3M 3500 Badge      | mg         | ppm                | 0.005                | 116.16         | 29.4 | 3M Rate          | 200  | ppm               | 540-88-5    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| t-Butyl acetate                | OSHA 1009                    | 3M 3520 Badge      | mg         | ppm                | 0.005                | 116.16         | 29.4 | 3M Rate          | 200  | ppm               | 540-88-5    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| t-Butyl acetate                | OSHA 1009                    | SKC 226-01         | mg         | ppm                | 0.003                | 116.16         |      |                  | 200  | ppm               | 540-88-5    | 0.05-0.75           | 12                   | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| <b>t-Butyl alcohol</b>         | NIOSH 1400                   | 3M 3500 Badge      | mg         | ppm                | 0.005                | 74.12          | 35.2 | 3M Rate          | 100  | ppm               | 75-65-0     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |
| t-Butyl alcohol                | NIOSH 1400                   | 3M 3520 Badge      | mg         | ppm                | 0.005                | 74.12          | 35.2 | 3M Rate          | 100  | ppm               | 75-65-0     |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| t-Butyl alcohol                | NIOSH 1400                   | SKC 226-01         | mg         | ppm                | 0.003                | 74.12          |      |                  | 100  | ppm               | 75-65-0     | 0.01-0.2            | 0.1-10               | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| <b>t-Butyl hydroperoxide</b>   | HHH In-House method          | SKC 226-15         | mg         | ppm                | 0.01                 | 90.12          |      |                  |      | ppm               | 75-91-2     | 0.05-20             | 6-48                 | GC/FID               |         | \$70                          |                               | \$3         |               |
| <b>TCCLP</b>                   | 40 CFR Part 261, Appendix II | Client Supplied    | mg/L       |                    | Call                 |                |      |                  |      |                   | N/A         | N/A                 |                      | ICP                  |         | \$200                         |                               | Call        |               |
| TCCLP-Nickel                   | 40 CFR Part 261, Appendix II | Client Supplied    | mg/L       |                    | Call                 | 58.69          |      |                  |      |                   | N/A         | N/A                 |                      | ICP                  |         | \$85                          |                               | Call        |               |
| TCCLP+3                        | 40 CFR Part 261, Appendix II | Client Supplied    | mg/L       |                    | Call                 |                |      |                  |      |                   | N/A         | N/A                 |                      | ICP                  |         | \$257                         |                               | Call        |               |
| TCCLP-Lead only                | 40 CFR Part 261, Appendix II | Client Supplied    | mg/L       |                    | 0.1                  | 207.2          |      |                  |      |                   | N/A         | N/A                 |                      | ICP                  |         | \$85                          |                               | Call        |               |
| TCCLP-Silver                   | 40 CFR Part 261, Appendix II | Client Supplied    | mg/L       |                    | 0.02                 | 107.87         |      |                  |      |                   |             |                     |                      | ICP                  |         | \$85                          |                               | Call        |               |
| <b>Tebuconazole</b>            | Study                        | Glass Fiber Filter | mg         | ppm                | 0.004                | 307.81         |      |                  |      |                   | 107534-96-3 |                     |                      | HPLC                 |         | \$85                          |                               | \$8         |               |
| <b>Tefluthrin</b>              | Zeneca RAM 344/01            | Client Supplied    | mg         | mg/m <sup>3</sup>  | 0.003                | 418.74         |      |                  | 0.4  | mg/m <sup>3</sup> | 79538-32-2  |                     |                      | HPLC                 |         | \$125                         |                               | Call        |               |
| Tefluthrin                     | Zeneca RAM 344/01            | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.0004               | 418.74         |      |                  | 0.4  | mg/m <sup>3</sup> | 79538-32-2  |                     |                      | HPLC                 |         | \$125                         |                               | \$8         |               |
| Tefluthrin                     | Zeneca RAM 344/01            | SKC 226-35         | mg         | mg/m <sup>3</sup>  | 0.0001               | 418.74         |      |                  |      |                   | 79538-32-2  |                     |                      | HPLC                 |         | \$125                         |                               | \$4         |               |
| Tefluthrin                     | Zeneca RAM 344/01            | SKC 226-56         | mg         | mg/m <sup>3</sup>  | 0.0004               | 418.74         |      |                  | 0.4  | mg/m <sup>3</sup> | 79538-32-2  |                     |                      | HPLC                 |         | \$125                         |                               | \$26        |               |
| <b>Tellurium (as Te)</b>       | NIOSH 7303 M                 | MCE Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 127.6          |      |                  | 0.1  | mg/m <sup>3</sup> | 13494-80-9  | 1-4                 | 25-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| <b>tetra Butyl Xylenol</b>     | NIOSH 2546 M                 | SKC 226-95         | mg         | ppm                | 0.02                 | 178.3          |      |                  |      |                   | 1879-09-0   | 0.01-0.1            | 1-24                 | GC/FID               |         | \$88                          |                               | \$3         |               |
| <b>Tetrachloroethylene</b>     | NIOSH 1003                   | 3M 3500 Badge      | mg         | ppm                | 0.005                | 165.83         | 28.3 | 3M Rate          | 25   | ppm               | 127-18-4    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$17        |               |
| Tetrachloroethylene            | NIOSH 1003                   | SKC 226-01         | mg         | ppm                | 0.003                | 165.83         |      |                  | 25   | ppm               | 127-18-4    | 0.01-0.2            | 3                    | GC/FID               |         | \$45                          | \$30                          | \$1         |               |
| <b>Tetraethyl lead (as Pb)</b> | OSHA CSI                     | SKC 226-01         | µg         | mg/m <sup>3</sup>  | 0.004                | 323.45         |      |                  | 0.1  | mg/m <sup>3</sup> | 78-00-2     | 1                   | 480                  | ICP                  | 22      | \$60                          | \$30                          | \$1         |               |
| <b>Tetraethylenepentamine</b>  | OSHA 60                      | SKC 226-30-18      | mg         | ppm                | 0.004                | 189.3032       |      |                  |      | ppm               | 112-57-2    | 0.1                 | 10                   | GC/ECD               |         | \$90                          |                               | \$5         |               |
| <b>Tetrahydrofuran</b>         | NIOSH 1609 M                 | 3M 3500 Badge      | mg         | ppm                | 0.005                | 72.1           | 37.2 | 3M Rate          | 200  | ppm               | 109-99-9    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$17        | A,C           |
| Tetrahydrofuran                | NIOSH 1609 M                 | 3M 3520 Badge      | mg         | ppm                | 0.005                | 72.1           | 37.2 | 3M Rate          | 200  | ppm               | 109-99-9    |                     |                      | GC/FID               |         | \$45                          | \$30                          | \$20        |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                  | Method                              | Media              | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV   | TLV Units         | CAS Number  | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------------|-------------------------------------|--------------------|------------|--------------------|----------------------|----------------|------|------------------|-------|-------------------|-------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Tetrahydrofuran            | NIOSH 1609 M                        | SKC 226-09         | mg         | ppm                | 0.005                | 72.1           |      |                  | 200   | ppm               | 109-99-9    | 0.01-0.2            | 1-9                  | GC/FID               |         | \$45                          | \$30                          | \$2         |               |
| Tetrahydrofurfuryl Alcohol | Syngenta In-House Method RAM 367/01 | SKC 226-49-106     | mg         | ppm                | 0.005                | 102.13         |      |                  |       |                   | 97-99-4     |                     |                      | GC/FID               |         | \$50                          |                               | \$10        |               |
| Thallium (as Tl)           | NIOSH 7303 M                        | MCE Filter         | µg         | mg/m <sup>3</sup>  | 0.02                 | 204.38         |      |                  | 0.1   | mg/m <sup>3</sup> | 7440-28-0   | 1-4                 | 25-2000              | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Thiabendazole              | Study                               | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.002                | 201.24         |      |                  |       | mg/m <sup>3</sup> | 148-79-8    |                     |                      | HPLC                 |         | \$85                          | \$45                          | \$8         |               |
| Thiamethoxam               | Study                               | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.002                | 291.7          |      |                  | 3     | mg/m <sup>3</sup> | 153719-23-4 |                     |                      | HPLC                 |         | \$85                          | \$45                          | \$8         |               |
| Thiamethoxam               | Study                               | PVC Filter         | mg         | ppm                | 0.002                | 291.7          |      |                  | 3     | mg/m <sup>3</sup> | 153719-23-4 |                     |                      | HPLC                 |         | \$85                          | \$45                          |             |               |
| Thiourea                   | OSHA PV 2059                        | Glass Fiber Filter | mg         | ppm                | 0.007                | 76.12          |      |                  | 60    | µg/m <sup>3</sup> | 62-56-6     | 2                   | 480                  | HPLC                 |         | \$100                         |                               | \$8         |               |
| Thiram                     | NIOSH 5005 M                        | Glass Fiber Filter | mg         | mg/m <sup>3</sup>  | 0.005                | 240.43         |      |                  | 5     | mg/m <sup>3</sup> | 137-26-8    |                     |                      | HPLC                 |         | \$90                          |                               | \$8         |               |
| Thiram                     | NIOSH 5005 M                        | SKC 226-58         | mg         | mg/m <sup>3</sup>  | 0.005                | 240.43         |      |                  | 5     | mg/m <sup>3</sup> | 137-26-8    |                     |                      | HPLC                 |         | \$90                          |                               | \$21        |               |
| Thorium (as Th)            | NIOSH 7303 M                        | MCE Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 480.06         |      |                  |       |                   | 7440-29-1   | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Thorium (as Th)            | NIOSH 7303 M                        | PVC Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 480.06         |      |                  |       |                   | 7440-29-1   | 1-4                 |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Tin (as Sn)                | NIOSH 7303 M                        | Client Supplied    | µg         | mg/m <sup>3</sup>  | Call                 | 118.69         |      |                  | 2     | mg/m <sup>3</sup> | 7440-31-5   |                     |                      | ICP                  |         | \$31                          | \$20                          | Call        | M             |
| Tin (as Sn)                | NIOSH 7303 M                        | MCE Filter         | µg         | mg/m <sup>3</sup>  | 20                   | 118.69         |      |                  | 2     | mg/m <sup>3</sup> | 7440-31-5   | 1-4                 | 5-500                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Tin (as Sn)                | NIOSH 7303 M                        | PVC Filter         | µg         | mg/m <sup>3</sup>  | 20                   | 118.69         |      |                  | 2     | mg/m <sup>3</sup> | 7440-31-5   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Tin (as Sn)                | NIOSH 7303 M                        | Wipe               | µg/wipe    |                    | 20                   | 118.69         |      |                  | 2     | mg/m <sup>3</sup> | 7440-31-5   | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Titanium (as Ti)           | NIOSH 7303 M                        | Matched Weight MCE | µg         | mg/m <sup>3</sup>  | 10                   | 47.9           |      |                  | 10    | mg/m <sup>3</sup> | 7440-32-6   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Titanium (as Ti)           | NIOSH 7303 M                        | MCE Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 47.9           |      |                  | 10    | mg/m <sup>3</sup> | 7440-32-6   | 1-4                 | 5-100                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Titanium (as Ti)           | NIOSH 7303 M                        | PVC Filter         | µg         | mg/m <sup>3</sup>  | 10                   | 47.9           |      |                  | 10    | mg/m <sup>3</sup> | 7440-32-6   |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Toluene                    | NIOSH 1500                          | SKC 226-36         | mg         | ppm                | 0.005                | 92.12          |      |                  | 20    | ppm               | 108-88-3    | 0.01-0.2            | 2-8                  | GC/FID               | 2       | \$45                          | \$30                          | \$5         | A,C           |
| Toluene                    | NIOSH 1501                          | 3M 3500 Badge      | mg         | ppm                | 0.005                | 92.12          | 31.4 | 3M Rate          | 20    | ppm               | 108-88-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Toluene                    | NIOSH 1501                          | 3M 3520 Badge      | mg         | ppm                | 0.005                | 92.12          | 31.4 | 3M Rate          | 20    | ppm               | 108-88-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$20        |               |
| Toluene                    | NIOSH 1501                          | SKC 226-01         | mg         | ppm                | 0.003                | 92.12          |      |                  | 20    | ppm               | 108-88-3    | 0.2                 | 1-8                  | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Toluene                    | NIOSH 1501                          | SKC 226-09         | mg         | ppm                | 0.009                | 92.12          |      |                  | 20    | ppm               | 108-88-3    | 0.2                 | 1-8                  | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Toluene                    | NIOSH 1501                          | SKC 575-002        | mg         | mg/m <sup>3</sup>  | 0.005                | 92.12          | 14.9 | SKC 575-002 Rate | 20    | ppm               | 108-88-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Toluene                    | NIOSH 4000                          | SKC 575-001        | mg         | ppm                | 0.005                | 92.12          | 14.5 | SKC 575-001 Rate | 20    | ppm               | 108-88-3    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Toluene                    | OSHA 111                            | SKC 226-01         | mg         | ppm                | 0.003                | 92.12          |      |                  | 20    | ppm               | 108-88-3    | 0.2                 | 10                   | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Toluene                    | Study                               | Client Supplied    | µg/g       | %                  | 10                   | 92.12          |      |                  | 20    | ppm               | 108-88-3    | N/A                 | N/A                  | GC/FID               | 2       | \$45                          |                               | Call        |               |
| Toluene-2,4-diisocyanate   | OSHA 42                             | SKC 225-9002       | mg         | ppm                | 0.0002               | 174.15         |      |                  | 0.005 | ppm               | 584-84-9    | 1                   | 15                   | HPLC                 | 4       | \$90                          | \$45                          | \$15        |               |
| Toluene-2,6-Diisocyanate   | OSHA 42                             | SKC 225-9002       | mg         | ppm                | 0.0002               | 174.16         |      |                  |       |                   | 91-08-7     |                     |                      | HPLC                 | 4       | \$90                          | \$45                          | \$15        |               |
| Toluenesulfonic Acid       | NIOSH 5043                          | Glass Fiber Filter | mg         | ppm                | 0.0001               | 172.2          |      |                  |       |                   | 104-15-4    |                     |                      | HPLC                 |         | \$100                         |                               | \$8         |               |
| Trichloroethylene          | NIOSH 1022                          | 3M 3500 Badge      | mg         | ppm                | 0.005                | 131.4          | 31.1 | 3M Rate          |       | ppm               | 79-01-6     |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Trichloroethylene          | NIOSH 1022                          | SKC 226-01         | mg         | ppm                | 0.003                | 131.4          |      |                  | 10    | ppm               | 79-01-6     |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |

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\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                | Method         | Media                          | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|--------------------------|----------------|--------------------------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Tridymite                | NIOSH 7500     | Bulk Material                  | µg/g       | %                  | 5000                 | 60.1           |      |                  |      | N/A               | 15468-32-3 | N/A                 |                      | XRD                  |         | \$100                         |                               |             |               |
| Tridymite                | NIOSH 7500     | MCE Filter                     | mg         | mg/m <sup>3</sup>  | 0.01                 | 60.1           |      |                  |      |                   | 15468-32-3 | 1.7-2.2             | 400-1000             | XRD                  |         | \$100                         |                               | \$5         |               |
| Tridymite                | NIOSH 7500     | Prewieghed PVC Filter          | mg         | mg/m <sup>3</sup>  | 0.01                 | 60.1           |      |                  |      | N/A               | 15468-32-3 | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$8         |               |
| Tridymite                | NIOSH 7500     | PVC Filter                     | mg         | mg/m <sup>3</sup>  | 0.01                 | 60.1           |      |                  |      |                   | 15468-32-3 | 1.7-2.2             | 400-1000             | XRD                  | 4       | \$86                          |                               | \$5         |               |
| Tridymite                | NIOSH 7500     | Wipe                           | µg/wipe    |                    | 10                   | 60.1           |      |                  |      |                   | 15468-32-3 | N/A                 | N/A                  | XRD                  |         | \$86                          |                               | \$0.50      |               |
| Tridymite                | OSHA ID 142    | Prewieghed PVC Filter          | mg         | µg/m <sup>3</sup>  | 0.01                 | 60.1           |      |                  |      | ppm               |            | 1.7                 | 816                  | XRD                  | 4       | \$86                          |                               | \$8         |               |
| Tridymite                | OSHA ID 142    | PVC Filter                     | mg         | µg/m <sup>3</sup>  | 0.01                 | 60.1           |      |                  |      |                   |            | 1.7                 | 816                  | XRD                  | 4       | \$86                          |                               | \$5         |               |
| Triethanolamine          | OSHA PV2141    | Glass Fiber Filter             | mg         | mg/m <sup>3</sup>  | 0.08                 | 149.22         |      |                  | 5    | mg/m <sup>3</sup> | 102-71-6   |                     |                      | GC/FID               |         | \$95                          |                               | \$8         |               |
| Triethylene glycol       | NIOSH 5523     | SKC 226-57                     | mg         | ppm                | 0.03                 | 150.17         |      |                  |      |                   | 112-27-6   | 0.5-2.0             | 5-60                 | GC/FID               |         | \$55                          | \$30                          | \$21        |               |
| Triethylenetetramine     | OSHA 60        | SKC 226-30-18                  | mg         | ppm                | 0.003                | 146.2          |      |                  |      |                   | 112-24-3   | 0.1                 | 10                   | HPLC                 | 4       | \$85                          |                               | \$5         |               |
| Trimethylamine           | OSHA PV 2060   | SKC 226-98                     | mg         | ppm                | 0.05                 | 59.11          |      |                  | 5    | ppm               | 75-50-3    | 0.2                 | 20                   | GC/FID               | 4       | \$95                          |                               | \$3         |               |
| Tungsten (as W)          | NIOSH 7303 M   | Matched Weight MCE             | µg         | mg/m <sup>3</sup>  | 10                   | 183.85         |      |                  | 1    | mg/m <sup>3</sup> | 7440-33-7  | 1-4                 | 5-1000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Tungsten (as W)          | NIOSH 7303 M   | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 183.85         |      |                  | 1    | mg/m <sup>3</sup> | 7440-33-7  | 1-4                 | 5-1000               | ICP                  | 19      | \$31                          | \$20                          | \$5         |               |
| Tungsten (as W), soluble | NIOSH 7074 M   | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 183.85         |      |                  | 1    | mg/m <sup>3</sup> | 7440-33-7  | 1-4                 | 200-1000             | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Turpentine               | NIOSH 1551     | SKC 226-01                     | mg         | ppm                | 0.04                 | 136            |      |                  |      |                   | 8006-64-2  |                     |                      | GC/FID               |         | \$50                          | \$35                          | \$1         |               |
| Uranium (as U)           | NIOSH 7303 M   | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 238.03         |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-61-1  |                     |                      | ICP                  |         | \$50                          | \$20                          | \$5         |               |
| Uranium (as U)           | NIOSH 7303 M   | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 10                   | 238.03         |      |                  | 0.2  | mg/m <sup>3</sup> | 7440-61-1  |                     |                      | ICP                  |         | \$50                          | \$20                          | \$5         |               |
| V.M.P-Naphtha            | NIOSH 1550     | SKC 226-01                     | mg         | ppm                | 0.02                 | 142.28         |      |                  |      |                   | 8032-32-4  |                     |                      | GC/FID               |         | \$52                          | \$20                          | \$1         | A             |
| Vanadium (as V)          | NIOSH 7303 M   | Bulk Material                  | µg/g       | %                  | 300                  | 50.94          |      |                  |      | mg/m <sup>3</sup> | 7440-62-2  |                     |                      | ICP                  |         | \$31                          | \$20                          |             | M             |
| Vanadium (as V)          | NIOSH 7303 M   | Client Supplied Matched Weight | µg/g       | %                  | Call                 | 50.94          |      |                  |      | mg/m <sup>3</sup> | 7440-62-2  | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Vanadium (as V)          | NIOSH 7303 M   | MCE                            | µg         | mg/m <sup>3</sup>  | 20                   | 50.94          |      |                  | 0.05 | mg/m <sup>3</sup> | 7440-62-2  | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Vanadium (as V)          | NIOSH 7303 M   | MCE Filter                     | µg         | mg/m <sup>3</sup>  | 20                   | 50.94          |      |                  | 0.05 | mg/m <sup>3</sup> | 7440-62-2  | 1-4                 | 5-2000               | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Vanadium (as V)          | NIOSH 7303 M   | PVC Filter                     | µg         | mg/m <sup>3</sup>  | 20                   | 50.94          |      |                  | 0.05 | mg/m <sup>3</sup> | 7440-62-2  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Vanadium (as V)          | NIOSH 7303 M   | SKC IOM                        | µg         | mg/m <sup>3</sup>  | 20                   | 50.94          |      |                  |      | mg/m <sup>3</sup> | 7440-62-2  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Vanadium (as V)          | NIOSH 7303 M   | Wipe                           | µg/wipe    |                    | 20                   | 50.94          |      |                  |      |                   | 7440-62-2  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |
| Vanadium pentoxide       | OSHA ID 185    | MCE Filter                     | mg         | mg/m <sup>3</sup>  | 0.03                 | 181.9          |      |                  | 0.05 | mg/m <sup>3</sup> | 1314-62-1  | 1.7                 | 816                  | XRD                  |         | \$125                         |                               | \$5         |               |
| Vanadium pentoxide       | OSHA ID 185    | Prewieghed PVC Filter          | mg         | mg/m <sup>3</sup>  | 0.03                 | 181.9          |      |                  | 0.05 | mg/m <sup>3</sup> | 1314-62-1  |                     |                      | XRD                  |         | \$125                         |                               | \$8         |               |
| Vanadium pentoxide       | OSHA ID 185    | PVC Filter                     | mg         | mg/m <sup>3</sup>  | 0.03                 | 181.9          |      |                  | 0.05 | mg/m <sup>3</sup> | 1314-62-1  | 1.7                 | 816                  | XRD                  |         | \$125                         |                               | \$5         |               |
| Vinyl acetate            | Kimble/Ketchem | SKC 226-68                     | mg         | ppm                | 0.003                | 86.09          |      |                  | 10   | ppm               | 108-05-4   | 1                   | 90                   | GC/FID               | 2       | \$55                          | \$30                          | \$27        | C             |
| Vinyl acetate            | NIOSH 1453     | SKC 226-09                     | mg         | ppm                | 0.005                | 86.09          |      |                  | 10   | ppm               | 108-05-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| Vinyl acetate            | NIOSH 1453     | SKC 226-81A                    | mg         | ppm                | 0.003                | 86.09          |      |                  | 10   | ppm               | 108-05-4   | 0.1-0.2             | 0.75-24              | GC/FID               | 2       | \$55                          | \$30                          | \$3         |               |
| Vinyl acetate            | NIOSH 1453 M   | 3M 3500 Badge                  | mg         | ppm                | 0.005                | 86.09          | 35.8 | 3M Rate          | 10   | ppm               | 108-05-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$17        |               |

\* RQLs' are updated periodically.

\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter                  | Method                       | Media                   | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate  | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|----------------------------|------------------------------|-------------------------|------------|--------------------|----------------------|----------------|-------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Vinyl acetate              | NIOSH 1453 M                 | 3M 3520 Badge           | mg         | ppm                | 0.005                | 86.09          | 35.8  | 3M Rate          | 10   | ppm               | 108-05-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        |               |
| Vinyl acetate              | NIOSH 1453 M                 | SKC 226-01              | mg         | ppm                | 0.003                | 86.09          |       |                  | 10   | ppm               | 108-05-4   |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$1         |               |
| <b>Vinyl chloride</b>      | NIOSH 1007                   | 3M 3520 Badge           | mg         | ppm                | 0.005                | 62.5           | 40.8  | 3M Rate          | 1    | ppm               | 75-01-4    |                     |                      | GC/FID               | 2       | \$55                          | \$30                          | \$20        | <b>C</b>      |
| Vinyl chloride             | NIOSH 1007                   | SKC 226-01              | mg         | ppm                | 0.003                | 62.5           |       |                  | 1    | ppm               | 75-01-4    | 0.5                 | 0.7-5                | GC/FID               | 2,10    | \$55                          | \$30                          | \$1         |               |
| Vinyl chloride             | NIOSH 1007                   | SKC 226-09              | mg         | ppm                | 0.005                | 62.5           |       |                  | 1    | ppm               | 75-01-4    | 0.5                 | 0.7-5                | GC/FID               | 2       | \$55                          | \$30                          | \$2         |               |
| <b>Vinylidene chloride</b> | NIOSH 1015                   | 3M 3500 Badge           | mg         | ppm                | 0.01                 | 96.95          | 35.1  | 3M Rate          | 5    | ppm               | 75-35-4    |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$17        |               |
| Vinylidene chloride        | NIOSH 1015                   | SKC 226-01              | mg         | ppm                | 0.01                 | 96.95          |       |                  | 5    | ppm               | 75-35-4    | 0.1-2               | 2.5-7                | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| <b>Welding fume metals</b> | NIOSH 7303 M                 | Matched Weight MCE      | µg         | mg/m <sup>3</sup>  | Call                 |                |       |                  |      |                   | N/A        | 1-4                 |                      | ICP                  | 23      | \$185                         |                               | \$8         |               |
| Welding fume metals        | NIOSH 7303 M                 | MCE Filter              | µg         | mg/m <sup>3</sup>  | Call                 |                |       |                  |      |                   | N/A        | 1-4                 |                      | ICP                  | 23      | \$185                         |                               | \$5         |               |
| Welding fume metals        | NIOSH 7303 M                 | PVC Filter              | µg         | mg/m <sup>3</sup>  | Call                 |                |       |                  |      |                   |            |                     |                      | ICP                  | 23      | \$185                         |                               | \$5         |               |
| Welding fume metals        | NIOSH 7303 M                 | SKC IOM                 | µg         | mg/m <sup>3</sup>  | Call                 |                |       |                  |      |                   |            |                     |                      | ICP                  | 23      | \$185                         |                               | \$20        |               |
| Welding fume metals        | NIOSH 7303 M                 | Wipe                    | µg         | mg/m <sup>3</sup>  | Call                 |                |       |                  |      |                   | N/A        | N/A                 | N/A                  | ICP                  | 23      | \$185                         |                               | \$0.50      |               |
| Welding fume metals        | OSHA ID-125G M               | Client Supplied         | µg/g       | mg/Kg              | Call                 |                |       |                  |      | N/A               | N/A        | 2                   | 480                  | ICP                  | 23      | \$185                         |                               | Call        |               |
| <b>Xylene (total)</b>      | NIOSH 1501                   | 3M 3500 Badge           | mg         | ppm                | 0.02                 | 106.16         | 27.3  | 3M Rate          | 100  | ppm               | 1330-20-7  | 0.2                 | 2-23                 | GC/FID               | 2,37    | \$45                          | \$30                          | \$17        | <b>A,C</b>    |
| Xylene (total)             | NIOSH 1501                   | 3M 3520 Badge           | mg         | ppm                | 0.02                 | 106.16         | 27.3  | 3M Rate          | 100  | ppm               | 1330-20-7  | 0.2                 | 2-23                 | GC/FID               | 2,37    | \$45                          | \$30                          | \$20        |               |
| Xylene (total)             | NIOSH 1501                   | SKC 226-01              | mg         | ppm                | 0.01                 | 106.16         |       |                  | 100  | ppm               | 1330-20-7  | 0.2                 | 2-23                 | GC/FID               | 2       | \$45                          | \$30                          | \$1         |               |
| Xylene (total)             | NIOSH 1501                   | SKC 226-09              | mg         | ppm                | 0.02                 | 106.16         |       |                  | 100  | ppm               | 1330-20-7  | 0.2                 | 2-23                 | GC/FID               | 2       | \$45                          | \$30                          | \$2         |               |
| Xylene (total)             | NIOSH 1501                   | SKC 575-002             | mg         | ppm                | 0.02                 | 106.16         | 13.82 | SKC 575-002 Rate | 100  | ppm               | 1330-20-7  |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Xylene (total)             | NIOSH 1501 M                 | SKC 226-17-1A           | mg         | ppm                | 0.01                 | 106.16         |       |                  | 100  | ppm               |            |                     |                      | GC/FID               | 2       | \$45                          |                               | \$2         |               |
| Xylene (total)             | OSHA 1002                    | SKC 575-002             | mg         | ppm                | 0.02                 | 106.16         | 13.82 | SKC 575-002 Rate | 100  | ppm               | 1330-20-7  |                     |                      | GC/FID               | 2       | \$45                          | \$30                          | \$19        |               |
| Xylene (total)             | Study                        | Client Supplied         | µg/g       | %                  | 10                   | 106.16         |       |                  | 100  | ppm               | 1330-20-7  | N/A                 | N/A                  | GC/FID               |         | \$45                          | \$30                          | Call        |               |
| <b>Yttrium</b>             | NIOSH 7303 M                 | MCE Filter              | µg         | mg/m <sup>3</sup>  | 10                   | 88.91          |       |                  |      |                   |            |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| <b>Zinc (as Zn)</b>        | 40 CFR PART 261, APPENDIX II | Client Supplied         | mg/L       |                    | 0.02                 | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$124                         |                               | Call        | <b>M</b>      |
| Zinc (as Zn)               | NIOSH 7303 M                 | Bulk Material           | µg/g       | %                  | 10                   | 65.38          |       |                  |      |                   | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | Client Supplied         | µg/g       | %                  | Call                 | 65.38          |       |                  |      |                   | 7440-66-6  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | Matched Weight MCE      | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | MCE Filter              | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | Paint                   | µg/g       | %                  | 10                   | 65.38          |       |                  |      |                   | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          |             |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | Prew weighed PVC Filter | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$8         |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | PVC Filter              | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | SKC IOM                 | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$20        |               |
| Zinc (as Zn)               | NIOSH 7303 M                 | Wipe                    | µg/wipe    |                    | 1                    | 65.38          |       |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  | N/A                 | N/A                  | ICP                  |         | \$31                          | \$20                          | \$0.50      |               |

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\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.



HHH LABORATORY, INC.  
Sampling and Analysis Guide

| Parameter         | Method         | Media           | Mass Units | Air/Exposure Units | Reporting Limit (mg) | Formula Weight | Rate | Rate description | TLV  | TLV Units         | CAS Number | Sampling Rate (LPM) | Sampling Air Vol (L) | Analytical Technique | Comment | Price 1 <sup>st</sup> analyte | Price 2 <sup>nd</sup> analyte | Media Price | Compatibility |
|-------------------|----------------|-----------------|------------|--------------------|----------------------|----------------|------|------------------|------|-------------------|------------|---------------------|----------------------|----------------------|---------|-------------------------------|-------------------------------|-------------|---------------|
| Zinc (as Zn)      | NIOSH 7303 M   | PVC Filter      | µg         | mg/m <sup>3</sup>  | 1                    | 65.38          |      |                  | 0.01 | mg/m <sup>3</sup> | 7440-66-6  |                     |                      | ICP                  |         | \$31                          | \$20                          | \$5         |               |
| Zinc (as Zn)      | OSHA ID-125G M | Client Supplied | µg/g       | %                  | 10                   | 65.38          |      |                  |      |                   | 7440-66-6  | 2                   | 480                  | ICP                  |         | \$31                          | \$20                          | Call        |               |
| Zirconium (as Zr) | NIOSH 7303 M   | MCE Filter      | µg         | mg/m <sup>3</sup>  | 20                   | 91.22          |      |                  | 5    | mg/m <sup>3</sup> | 7440-67-7  | 1-4                 | 5-200                | ICP                  |         | \$31                          | \$20                          | \$5         |               |

\* RQLs' are updated periodically.

\*\* Compatibility - analytes with the same letter can be determined on the same sample.

\*\*\* Compatibility - analytes with the same letter can be determined on the same media type.

| Comment_ID | Comment_comp   |
|------------|--|
| 1          | Protect from light.  |
| 2          | Keep samples cool during shipment.   |
| 3          | Preferred Method   |
| 4          | Preferred sample media   |
| 5          | Recommended sampling time is 2 hours.  |
| 6          | Recommended sampling time is 6 hours.  |
| 7          | Recommended sampling time is 8 hours.  |
| 8          | For most accurate quantitation, a 2 mL vial of the analyte and an MSDS sheet should be submitted for analysis                          |
| 9          | Media should be transferred immediately.   |
| 10         | Use 2 tubes in series - separate and cap the tubes prior to shipping.  |
| 11         | Sampling media requires preparation time.  |
| 12         | Sampling media requested from HIH may need to be ordered.  |
| 13         | Remove glass wool plug prior to sampling.  |
| 14         | A volume discount may apply.   |
| 15         | Samples require handling as "RUSH."  |
| 16         | Recommended maximum flow rate is 0.1 LPM.  |
| 17         | Add 2 $\mu$ L of conc. HCl after samples are taken.  |
| 18         | Filter and tube should be used in series.  |
| 19         | Cannot be analyzed with other metals due to differences in digestion techniques.   |
| 20         | A molecular weight of 100 is used to calculate concentrations unless a different molecular weight of a reference standard is provided. |
| 21         | Molecular weight varies.   |
| 22         | Used in series.  |
| 23         | Welding Fume Metals consist of the following 13 metals: see note below.  |

| Comment_ID | Comment_comp   |
|------------|--|
| 24         | Due to the short shelf life, allow ample time to order this media since it is ordered upon request and will be billed accordingly. |
| 25         | A prefilter may be required to remove interfering particulates.  |
| 26         | Call for information.  |
| 28         | Recommended sampling time is 2 hours.  |
| 29         | Preferred Media  |
| 29         | Recommended sampling time is 2 hours.  |
| 30         | Recommended sampling time is 8 hours.  |
| 31         | Use 2 tubes in series - cap and separate prior to shipping.  |
| 32         | Protect from light.  |
| 32         | Recommended sampling time is 8 hours.  |
| 33         | Filter and tube should be used in series.  |
| 34         | Preferred Method   |
| 34         | Recommended sampling time is 8 hours.  |
| 35         | Protect from light.  |
| 35         | Media must be transferred immediately.   |
| 36         | Keep samples cool during shipment.   |
| 36         | Preferred Method   |
| 37         | Recommended sampling time is 8 hours.  |
| 38         | Media must be transferred immediately.   |
| 39         | Recommended sampling time is 6 hours.  |
| 40         | Recommended sampling time is 8 hours.  |
| 41         | Keep samples cool during shipment.   |
| 41         | Recommended sampling time is 6 hours.  |

| Comment_ID | Comment_comp             |
|------------|--------------------------|
| 41         | Preferred Media          |
| 43         | Preferred Method         |
| 43         | Preferred Media          |
| 45         | Molecular weight varies. |

|  |   |
|--|---|
|  | <p><b>Welding Fume Metals consist of the following 13 metals:</b><br/>           Antimony (as Sb); Beryllium (as Be); Cadmium (as Cd); Chromium (as Cr); Cobalt (as Co); Copper (as Cu); Iron (as Fe); Lead (as Pb); Manganese (Mn); Molybdenum (as Mo); Nickel (as Ni); Vanadium (as V); Zinc (as Zn).</p>   |
|  | <p><b>PNA's consist of the following 17 analytes by NIOSH 5515:</b><br/>           Acenaphthene; Acenaphthylene; Anthracene; Benz[a]anthracene; Benzo[a]pyrene; Benzo[b]fluoranthene; Benzo[e]pyrene; Benzo[ghi]perylene; Benzo[k]fluoranthene; Chrysene; Dibenz[a,h]anthracene; Fluoranthene; Fluorene; Indeno[1,2,3-cd]pyrene; Naphthalene; Phenanthrene; Pyrene.</p> |
|  | <p><b>PNA's consist of the following 4 analytes by OSHA 58:</b><br/>           Phenanthrene; Anthracene; Pyrene; Benzo[a]pyrene.</p>  |
|  | <p><b>TCLP metals consist of the following 8 metals:</b><br/>           Arsenic (as As); Barium (as Ba); Cadmium (as Cd); Chromium (as Cr); Lead (as Pb); Mercury (as Hg); Selenium (as Se); Silver (as Ag).</p>  |

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## TERMS AND CONDITIONS

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It is assumed that requested analyses will be performed by NIOSH, OSHA, or other readily acceptable procedures. Other analytical methods and procedures are available; please call the laboratory for details and pricing.

A three sample minimum charge may apply to analyses other than asbestos and lead. A blank can be included in this minimum charge.

A blank will be analyzed and charged at the appropriate analyte fee. The blank may be applied to any minimum charge as stated immediately above.

Turnaround time for routine asbestos analyses is 5 days. Asbestos samples must be submitted in proper containers. Excessive amounts of asbestos sample will be returned to the client for disposal.

Turnaround time for routine organic, inorganic, metals and silica analyses is 5-7 days.

Duplicate desorption efficiency determinations will be performed for each set of samples at no additional cost. Results obtained on desorption studies will be provided with the sample results.

Sampling media and other sampling supplies are available from HIH. Unused and unexpired media may be returned for credit. An appropriate restocking charge may be assessed on returned media and supplies.

Texas state and local taxes are assessed when supplies are purchased or rented from HIH when required. Tax exemption certificates or direct payment certificates are acceptable substitutes.

Regeneration of reports due to client changes in sample identifications, dates, sample volumes, etc. will be charged on a time and materials basis when appropriate.

Consultation is available with regard to sampling and analytical procedures, sampling media selection and data interpretation for no charge above the cost of the analyses.

Rush services are normally available for 100% surcharge. Work will begin on rush samples as soon as they arrive at the laboratory. Results will be provided when they are available by FAX or E-mail. Prior notification is requested for rush samples to be certain that the service is available within the required time constraints.

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## LIMITED WARRANTY

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HIH LABORATORY, INC. (hereinafter referred to as "HIH") warrants that services provided shall be in accordance with established and recognized analytical testing procedures and with reasonable care. No other warranties or guarantees are made by HIH. The liabilities and obligations of HIH, and the remedies of the client, under or in connection with any HIH services shall be LIMITED TO REPEATING THE SERVICES, or at the sole option of HIH, refunding the fees in full or in part with respect to such services; provided however, such failure or alleged negligence is reported in writing to HIH within 30 days after the discovery thereof, but in no event later than one year from the performance of the services by HIH. In no event will HIH, its owners, or its employees be responsible for any punitive, consequential, incidental, indirect, or special damages (including loss of profits or revenue by the client or any third party). Maximum liability shall be limited to the amount covered by the general liability insurance carried by HIH. The services provided by HIH could not be made available without an increase in cost if HIH is required to provide any representations, warranties, or guarranties in addition to, or in lieu of, those expressly set forth above.